

User Manual of Product 1:

Pioneer DMH-2660NEX Digital Multimedia Receiver, with Apple CarPlay, Android Auto, Amazon Alexa Via the Pioneer Vozsis App, Bluetooth and Backup Camera Compatibility, 6.8" Capacitive Touchscreen

User Manual of Product 2:

Metra Axxess ASWC-1 Steering Wheel Control Interface

Pioneer

DMH-2660NEX DMH-2600NEX

RDS AV RECEIVER

English

HD Radio®

This HD Radio receiver enables:

PSD

HD2/HD3

Digital Sound

Artist Experience

SiriusXm
READY

Operation Manual

Important (Serial number)

The serial number is located on the bottom of this unit. For your own security and convenience, be sure to record this number on the enclosed warranty card.

Contents

Thank you for buying this Pioneer product.
Please read through these instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this document in a safe place for future reference.

Important

The screen shown in the examples may differ from actual screens, which may be changed without notice for performance and function improvements.

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Precaution

Information to user

-MODEL NO.: DMH-2660NEX, DMH-2600NEX
FCC ID: EW4C95
IC: 4250A-C95

- This device contains licence-exempt transmitter(s)/receiver(s) that complies with Part 15 of FCC Rules and Innovation, Science, and Economic Development Canada licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.
- The Bluetooth antenna cannot be removed (or replaced) by user.
- This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

- This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.
- Alteration or modifications carried out without appropriate authorization may invalidate the user's right to operate the equipment.
- NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

FEDERAL COMMUNICATIONS COMMISSION SUPPLIER'S DECLARATION OF CONFORMITY

Product Name: RDS AV RECEIVER

Model Number: DMH-2660NEX, DMH-2600NEX

Responsible Party Name: PIONEER ELECTRONICS (USA), INC. SERVICE SUPPORT DIVISION

Address: 2050 W. 190TH STREET, SUITE 100, TORRANCE, CA 90504, U.S.A.

Phone: 1-800-421-1404

URL: <https://www.pioneerelectronics.com>

CAN ICES-3 B/NMB-3 B**⚠ WARNING**

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as papers, floor mat, cloths).

⚠ CAUTION

This product is evaluated in moderate and tropical climate condition under the Audio, video and similar electronic apparatus - Safety requirements, IEC 60065.

The Safety of Your Ears is in Your Hands

Get the most out of your equipment by playing it at a safe level—a level that lets the sound come through clearly without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing. Sound can be deceiving.

Over time, your hearing “comfort level” adapts to higher volumes of sound, so what sounds “normal” can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

► ESTABLISH A SAFE LEVEL:

- Set your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, without distortion.
- Once you have established a comfortable sound level, set the dial and leave it there.

► BE SURE TO OBSERVE THE FOLLOWING GUIDELINES:

- Do not turn up the volume so high that you can't hear what's around you.
- Use caution or temporarily discontinue use in potentially hazardous situations.
- Do not use headphones while operating a motorized vehicle; the use of headphones may create a traffic hazard and is illegal in many areas.

Important safety information**⚠ WARNING**

- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- Do not allow this product to come into contact with liquids. Electrical shock could result. Also, damage to the product, smoke, and overheating could result from contact with liquids.
- If liquid or foreign matter should get inside this product, park your vehicle in a safe place, turn the ignition switch off (ACC OFF) immediately and consult your dealer or the nearest authorized Pioneer Service Station. Do not use this product in this condition because doing so may result in a fire, electric shock, or other failure.

- If you notice smoke, a strange noise or odor from this product, or any other abnormal signs on the LCD screen, turn off the power immediately and consult your dealer or the nearest authorized Pioneer Service Station. Using this product in this condition may result in permanent damage to the system.
- Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer or the nearest authorized Pioneer Service Station for internal inspection, adjustments or repairs.
- Do not ingest the battery, Chemical Burn Hazard.

(The remote control supplied or sold separately with) This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Before using this product, be sure to read and fully understand the following safety information:

- Do not operate this product, any applications, or the rear view camera option (if purchased) if doing so will divert your attention in any way from the safe operation of your vehicle. Always observe safe driving rules and follow all existing traffic regulations. If you experience difficulty in operating this product, pull over, park your vehicle in a safe location and apply the parking brake before making the necessary adjustments.
- Never set the volume of this product so high that you cannot hear outside traffic and emergency vehicles.
- To promote safety, certain functions are disabled unless the vehicle is stopped and the parking brake is applied.
- Keep this manual handy as a reference for operating procedures and safety information.
- Do not install this product where it may (i) obstruct the driver's vision, (ii) impair the performance of any of the vehicle's operating systems or safety features, including air bags or hazard lamp buttons or (iii) impair the driver's ability to safely operate the vehicle.
- Please remember to fasten your seat belt at all times while operating your vehicle. If you are ever in an accident, your injuries can be considerably more severe if your seat belt is not properly buckled.
- Never use headphones while driving.
- Rear visibility systems (backup cameras) are required in certain new vehicles sold in the U.S. and Canada. U.S. regulations began according to a two year phase-in on May 1, 2016, and both the U.S. and Canada require that all such vehicles manufactured on or after May 1, 2018 have rear visibility systems. **Owners of vehicles equipped with compliant rear visibility systems should not install or use this product in a way that alters or disables that system's compliance with applicable regulations.** If you are unsure whether your vehicle has a rear visibility system subject to the U.S. or Canadian regulations, please contact the vehicle manufacturer or dealer.

If your vehicle has a compliant backup camera that displays the backup view through the factory receiver, do not use the Pioneer receiver unless it is connected to and displays the same view as the factory backup camera. Connection to the factory backup camera will require an adaptor, sold separately. Not all vehicles may be able to connect. Please check with a qualified professional installer for installation options specific to your vehicle.

Parking brake interlock

Certain functions (such as viewing of video image and certain touch panel key operations) offered by this product could be dangerous (possibly resulting in serious injury or death) and/or unlawful if used while driving. To prevent such functions from being used while the vehicle is in motion, there is an interlock system that senses when the parking brake is set and when the vehicle is moving. If you attempt to use the functions described above while driving, they will become disabled until you stop the vehicle in a safe place, and (1) apply the parking brake, (2) release the parking brake, and then (3) apply the parking brake again. Please keep the brake pedal pushed down before releasing the parking brake.

To ensure safe driving

WARNING

- **LIGHT GREEN LEAD AT POWER CONNECTOR IS DESIGNED TO DETECT PARKED STATUS AND MUST BE CONNECTED TO THE POWER SUPPLY SIDE OF THE PARKING BRAKE SWITCH. IMPROPER CONNECTION OR USE OF THIS LEAD MAY VIOLATE APPLICABLE LAW AND MAY RESULT IN SERIOUS INJURY OR DAMAGE.**
- **Do not take any steps to tamper with or disable the parking brake interlock system which is in place for your protection. Tampering with or disabling the parking brake interlock system could result in serious injury or death.**
- **To avoid the risk of damage and injury and the potential violation of applicable laws, this product is not for use with a video image that is visible to the driver.**
- In some countries the viewing of video image on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed.

If you attempt to watch video image while driving, the warning **"Viewing of front seat video source while driving is strictly prohibited."** will appear on the screen. To watch video image on this display, stop the vehicle in a safe place and apply the parking brake. Please keep the brake pedal pushed down before releasing the parking brake.

When using a display connected to V OUT

The video output terminal (**V OUT**) is for connection of a display to enable passengers in the rear seats to watch video images.

⚠ WARNING

NEVER install the rear display in a location that enables the driver to watch video images while driving.

To avoid battery exhaustion

Be sure to run the vehicle engine while using this product. Using this product without running the engine can drain the battery.

⚠ WARNING

Do not install this product in a vehicle that does not have an ACC wire or circuitry available.

Rear view camera

With an optional rear view camera, you are able to use this product as an aid to keep an eye on trailers, or backing into a tight parking spot.

⚠ WARNING

- SCREEN IMAGE MAY APPEAR REVERSED.
- USE INPUT ONLY FOR REVERSE OR MIRROR IMAGE REAR VIEW CAMERA. OTHER USE MAY RESULT IN INJURY OR DAMAGE.

⚠ CAUTION

The rear view mode is to use this product as an aid to keep an eye on the trailers, or while backing up. Do not use this function for entertainment purposes.

Handling the USB connector**⚠ CAUTION**

- To prevent data loss and damage to the storage device, never remove it from this product while data is being transferred.
- Pioneer cannot guarantee compatibility with all USB mass storage devices and assumes no responsibility for any loss of data on media players, iPhone, smartphone, or other devices while using this product.
- It may not be recognized properly by this product if a USB device that had been incorrectly disconnected from the computer is connected.

Failure to operate

After-sales service for Pioneer products

Please contact the dealer or distributor from which you purchased the product for after-sales service (including warranty conditions) or any other information. In case the necessary information is not available, please contact the companies listed below.

Please do not ship your product to the companies at the addresses listed below for repair without making advance contact.

–USA&CANADA

Pioneer Electronics (USA) Inc.

CUSTOMER SUPPORT DIVISION

P.O. Box 1760 Long Beach, CA 90801-1760

800-421-1404

For warranty information, please see the Limited Warranty sheet included with your product.

Visit our website

Visit us at the following site:

<https://www.pioneerelectronics.com>

<https://www.pioneerelectronics.ca>

- 1** Register your product.
- 2** Receive updates on the latest products and technologies.
- 3** Download owner's manuals, order product catalogs, research new products, and much more.
- 4** Receive notices of software upgrades and software updates.

Protecting the LCD panel and screen

- Do not expose the LCD screen to direct sunlight when this product is not used. This may result in LCD screen malfunction due to the resulting high temperatures.
- When using a cellular phone, keep the antenna of the cellular phone away from the LCD screen to prevent disruption of the video in the form of spots, colored stripes, etc.
- To protect the LCD screen from damage, be sure to touch the touch panel keys only with your finger and do so gently.

Notes on internal memory

- The information will be erased by disconnecting the yellow lead from the battery (or removing the battery itself).
- Some of the settings and recorded contents will not be reset.

About this manual

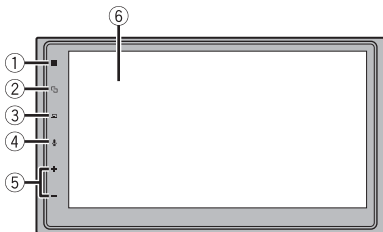
This manual uses diagrams of actual screens to describe operations. However, the screens on some units may not match those shown in this manual depending on the model used.

Meanings of symbols used in this manual

	This indicates model names that are supported by the described operations.
	This indicates to touch the appropriate soft key on the touch screen.
	This indicates to touch and hold the appropriate soft key on the touch screen.

Parts and controls

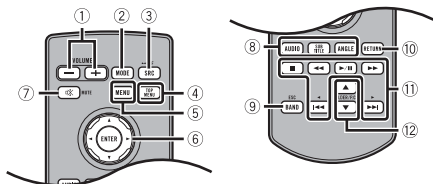
Main unit



①		Touch to display the top menu screen. Touch and hold to power off. To power back on, touch any button.
②		Touch to switch between the Application screen and the AV operation screen. Touch and hold to turn off the display.
③		Touch to display the menu bar (page 16). Touch and hold to mute or unmute.
④		Touch to activate the voice recognition mode such as Siri when the iPhone is connected to the unit via Bluetooth or USB.
⑤	VOL (+/-)	
⑥	LCD screen	

Remote control

2660NEX



①	Volume (+/-)
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②	MODE	Press to switch between the Application screen and the AV operation screen. Press and hold to turn off the display.
③	SRC	Press to cycle through all the available sources. Press and hold to turn the source off.
④	TOP MENU	Not used.
⑤	MENU	Not used.
⑥	Thumb pad	Not used.
⑦	MUTE	
⑧	AUDIO SUBTITLE ANGLE	Not used.
⑨	BAND/ESC	Press to select the tuner band when tuner is selected as a source. Press to cancel the control mode of functions.
⑩	RETURN	Not used.
⑪	▶/	Press to pause or resume playback or play from the beginning when resume is off.
	◀◀ or ▶▶	For audio: Press and hold to perform fast reverse or fast forward. For video: Press to perform fast reverse or fast forward.
	◀◀ or ▶▶	Press to return to the previous track (chapter) or go to the next track (chapter). Press to answer or end a call.
	■	Press to stop playback. If you resume playback, playback will start from the point where you stopped. Press the button again to stop playback completely.
⑫	FOLDER/P.CH	Press to select the next or previous title or folder. Press to recall radio station frequencies assigned to preset channel keys. Press to answer or end a call.

2600NEX

The remote control CD-R33 is sold separately.

Basic operation

Preparing the remote control

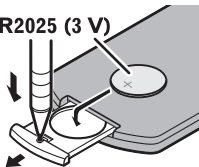
2660NEX

Remove the insulation sheet before use.



How to replace the battery

CR2025 (3 V)



Insert the CR2025 (3 V) battery with the plus (+) and minus (-) poles orientated properly.

⚠ WARNING

Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

⚠ CAUTION

- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, please comply with governmental regulations or environmental public institution's rules that apply in your country/area.
- "Perchlorate Material – special handling may apply. See www.dts.ca.gov/hazardouswaste/perchlorate. (Applicable to California, U.S.A.)"

Using the remote control

Point the remote control in the direction of the front panel to operate.

NOTE

The remote control may not function properly in direct sunlight.

Important

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or gas pedal.

Starting up the unit

1 Start the engine to boot up the system.

The [Select Program Language] screen appears.

NOTE

From the second time on, the screen shown will differ depending on the previous conditions.

2 Touch the language.

3 Touch .

The [Speaker Mode Settings] screen appears.

4 Touch the speaker modes.

[Standard Mode]

4-speaker system with front and rear speakers, or a 6-speaker system with front and rear speakers and subwoofers.

[Network Mode]

3-way system with a high range speaker, middle range speaker and subwoofer (low range speaker) for reproduction of high, middle and low frequencies (bands).

WARNING

Do not use the unit in Standard Mode when a speaker system for 3-way Network Mode is connected to the unit. This may cause damage to the speakers.

5 Touch [OK].

Initial Legal Disclaimer screen appears.

6 Touch [OK].

The top menu screen appears.

NOTE

Once the speaker mode is set, the setting cannot be changed unless this product is restored to the default settings. Restore the default settings to change the speaker mode setting (page 94).

Switching the speaker mode

To change the speaker mode, you need to restore this product to the default settings.

1 Restore the default setting (page 94).

Using the touch panel

You can operate this product by touching the keys on the screen directly with your fingers.

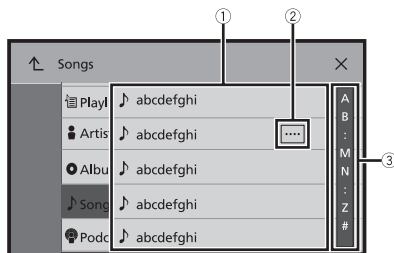
NOTE

To protect the LCD screen from damage, be sure to touch the screen only with your finger gently.

Common touch panel keys

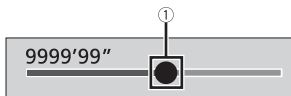
- : Returns to the previous screen.
- : Close the screen.

Operating list screens



①	Touching an item on the list allows you to narrow down the options and proceed to the next operation.
②	Appears when all characters are not displayed on the display area. If you touch the key, the rests are scrolled for display. NOTE This function is available only when you stop your vehicle in a safe place and apply the parking brake.
③	Appears when items cannot be displayed on a single page. Drag the side bar, the initial search bar or the list to view any hidden items.

Operating the time bar



①

You can change the playback point by dragging the key.

The playback time corresponding to the position of the key is displayed while dragging the key.

Operating the menu bar

1 Touch .

The menu bar pops up on the screen.

NOTE

The menu bar availability may vary depending on the activating source.



Switches the dimmer duration by day or night.



Switches between playback and pause.



Skips files forward or backward.



Performs fast reverse or fast forward.

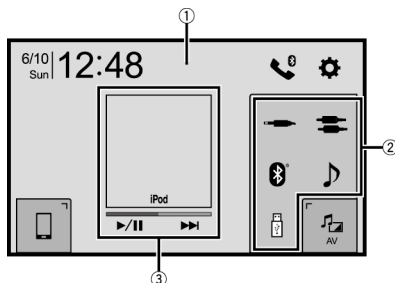


Displays setting menu screen (page 76).



Closes the menu bar.

Top menu screen



①	Switches the top menu screen layout. 1 Touch and hold .  appears at the top of the screen. 2 Touch . When you finish switching the layout, touch .
②	Favorite source icons TIP If you select [Power OFF], you can turn off almost all functions. The [Power OFF] mode is released in the following cases: • An incoming call is received (only for hands-free phoning via Bluetooth). • A rear view camera image is input when the vehicle is in reverse. • A button on this unit is touched. • The ignition switch is turned off (ACC OFF), then turned on (ACC ON).
③	AV operation area Displays the current source. Touch to go to the displayed source. TIPS • When the control icons are displayed at the bottom of the key, you can control the displayed operation. • You can also switch to display/hide the artwork with the following procedure. 1 Touch and hold .  or  appears on the AV operation area. 2 Touch  or . When you finish switching the display/hide setting for the artwork, touch .
 12:48	Setting the time and date (page 93)

	Settings (page 76) and Favorite menu (page 92)
	Connected device key Displays connected device. Switches the source or application with connected devices such as WebLink, Apple CarPlay and Android Auto. TIP When a device with a compatible application is connected, the favorite application key appears. Once the key appears, you can adjust the range of the favorite application key area with the following steps. 1 Touch and hold . 2 Drag  to the desired position. When you finish adjusting, touch . NOTE This function is available only when you stop your vehicle in a safe place and apply the parking brake.
	AV source (page 28)
	Hands-free phoning (page 21)

Bluetooth

Bluetooth connection

- 1 Turn on the Bluetooth function on the device.
- 2 Touch .
- 3 Touch  then .
The Bluetooth screen appears.
- 4 Touch [Connection].
- 5 Touch .
- 6 Touch the Bluetooth device name.
After the device is successfully registered, a Bluetooth connection is established by the system. Once the connection is established, the device name is displayed on the list.

NOTES

- If five devices are already paired, [Memory Full] is displayed. Delete a paired device first (page 20).
- If your device supports SSP (Secure Simple Pairing), a six-digit number appears on the display of this product. Touch [Yes] to pair the device.
- If you try to connect an unconnected cellular phone while two cellular phones are already connected, the first one of the two connected cellular phones will be disconnected and the unconnected cellular phone will be connected instead.

TIPS

- The Bluetooth connection can also be made by detecting this product from the Bluetooth device. Before registration, make sure that [Visibility] in the [Bluetooth] menu is set to [On] (page 20). For details on Bluetooth device operations, refer to the operating instructions supplied with the Bluetooth device.
- Two cellular phones can be connected to this product at the same time (page 20).

Bluetooth settings

- 1 Touch .
- 2 Touch  then .

⚠ CAUTION

Never turn this product off and disconnect the device while the Bluetooth setting operation is being processed.

Menu Item	Description
[Connection]	Connect, disconnect, or delete registered Bluetooth device manually. Touch  to delete registered device. To connect a registered Bluetooth device manually, touch the name of the device. To disconnect the device, touch the name of the connected device in the list. NOTE Connect the Bluetooth device manually in the following cases: - Two or more Bluetooth devices are registered, and you want to manually select the device to be used. - You want to reconnect a disconnected Bluetooth device. - Connection cannot be established automatically for some reason.
[Auto Connect] [On] [Off]	Select [On] to connect the last connected Bluetooth device automatically. NOTE If two Bluetooth devices were connected the last time, the two devices are connected to this product automatically in the order that they are registered in the device list.
[Visibility] [On] [Off]	Select [On] to make this product visible to the other device.
[PIN Code Input]	Change the PIN code for Bluetooth connection. The default PIN code is "0000". 1 Touch [0] to [9] to input the pin code (up to 8 digits). 2 Touch .
[Device Information]	Displaying the device name and address of this product.
[Bluetooth Memory Clear]	Touch [Clear] then [OK] to clear the Bluetooth memory.

Switching the connected Bluetooth device

After registering and connecting the Bluetooth devices to this product, you can switch among the devices using the switch devices key in the phone function and some audio sources.

- You can register up to five Bluetooth devices on this product (page 19).
- You can connect one of the registered devices to this product. In cases where the registered device is equipped with a phone function, a total of two devices can be connected at the same time when using the phone function. If two of the five

- registered devices are already connected, you can connect the remaining third device to use the audio function only from the switch devices key on the audio source screen.
- The icon for the cellular phone currently being used is displayed on the Phone menu screen. If you connect two cellular phones to this product at the same time, you can switch between the cellular phones using the switch devices key. The contents of the phone menu are memorized for each connected cellular phone (page 21).
 - The switch devices key will appear for some audio sources. The audio source may automatically switch to another source depending on the selected device.

Hands-free phoning

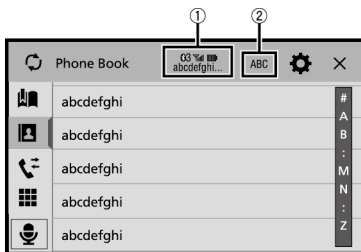
To use this function you need to connect your cellular phone to this product via Bluetooth in advance (page 19).

⚠ CAUTION

For your safety, avoid talking on the phone as much as possible while driving.

Making a phone call

- 1 Touch .
- 2 Touch .
- 3 Touch one of the call icons on the phone menu screen.



①	The following items are displayed. • Name of the current cellular phone • List number of the current cellular phone • Reception status of the current cellular phone • Battery status of the current cellular phone TIP If you connect two cellular phones to this product at the same time, you can switch between the cellular phones using the switch devices key.
②	Switches the search language to English or system language. NOTE It may not appear depending on the system language setting.
	Synchronizes the contacts on this product's phone book with the contacts on your phone manually.
	Using preset dial list (page 22)
	Using phone book Select a contact from the phone book. Touch the desired name on the list then select the phone number. TIPS • The contacts on your phone will be automatically transferred to this product. • Update the phone book manually. NOTES • [Visibility] of the [Bluetooth] screen should be on (page 20). • If two cellular phones are automatically connected to this product with the Bluetooth device auto connect function, the phone book of the second phone is displayed.
	Using call history Make a phone call from the received call , dialed call , or missed call .
	Direct phone number input Touch the number keys to enter the phone number then touch  to make a call.

►To end the call

- 1 Touch .

Using the preset dial lists

►Registering a phone number

You can easily store up to six phone numbers per device as presets.

- 1 Touch .

2 Touch .

3 Touch  or .

On the [Phone Book] screen, touch the desired name to display the contact's phone number.

4 Touch .

►Dialing from the preset dial list

1 Touch .

2 Touch the desired entry on the list to make a call.

The dial screen appears and dialing starts.

►Deleting a phone number

1 Touch .

2 Touch .

3 Touch .

4 Touch .

5 Touch [Yes].

Receiving a phone call

1 Touch  to answer the call.

Touch  to end the call.

TIPS

- Touch  while getting a call waiting, switch to the talking person.
- Touch  while getting a call waiting to reject the call.

NOTE

When two phones are connected at the same time, if an incoming call is received on the second phone while you are talking on the first phone, the dial confirmation screen for the second phone will be displayed.

Voice recognition function (for iPhone)

By connecting your iPhone to this product, you can use the voice recognition function (Siri Eyes Free Mode) on this product.

NOTES

- When an iPhone is used, Siri Eyes Free Mode is available with this product.
- In this chapter, iPhone and iPod touch will be referred to as "iPhone".

- 1 Touch .
- 2 Touch .
- 3 Touch .

The voice recognition function launches and the voice control screen appears.

TIPS

- You can also launch the voice recognition function by touching  button.
- If two cellular phones are automatically connected to this product with the Bluetooth device auto connect function, the voice recognition function (Siri Eyes Free Mode) will be set on the second phone.
- If you want to use the voice recognition function (Siri Eyes Free Mode) on another connected iPhone, touch  with numbered to the other iPhone. The iPhone that you switch to will be set as the current device.

Minimizing the dial confirmation screen

- 1 Touch .

TIP

To display the dial confirmation screen again, touch  on the top menu screen (page 17).

NOTES

- The dial confirmation screen cannot be minimized on the AV operation screen.
- AV sources cannot be selected even if the dial confirmation screen is minimized while talking on the phone or receiving an incoming call.

Phone settings

- 1 Touch .
- 2 Touch  then .

Menu Item	Description
[Auto Answer] [On] [Off]	Select [On] to answer an incoming call automatically.
[Ring Tone] [On] [Off]	Select [On] if the ring tone does not come out from the car speakers.
[Invert Name]	Select [Yes] to change the order of the first and last names in the phone book.

Setting the private mode

During a conversation, you can switch to private mode (talk directly on your cellular phone).

1 Touch  or  to turn private mode on or off.

NOTES

- If two cellular phones are connected to this product and the first phone is set to private mode, you can receive incoming calls on the second phone while maintaining the call in progress on the first phone.
- When two cellular phones are connected to this product and private mode of the first phone is turned off, if an incoming call on the second phone is answered while a call is in progress on the first phone or while dialing or receiving a call on the first phone, the call, dialing, or receiving on the first phone is ended.

Adjusting the other party's listening volume

This product can be adjusted to the other party's listening volume.

1 Touch  to switch between the three volume levels.

Notes for hands-free phoning

►General notes

- Connection to all cellular phones featuring Bluetooth wireless technology is not guaranteed.
- The line-of-sight distance between this product and your cellular phone must be 10 meters or less when sending and receiving voice and data via Bluetooth technology.
- With some cellular phones, the ring sound may not be output from the speakers.
- If private mode is selected on the cellular phone, hands-free phoning may be disabled.

►Registration and connection

- Cellular phone operations vary depending on the type of cellular phone. Refer to the instruction manual that came with your cellular phone for detailed instructions.
- When phone book transfer does not work, disconnect your phone and then perform pairing again from your phone to this product.

►Making and receiving calls

- You may hear a noise in the following situations:
 - When you answer the phone using the button on the phone.
 - When the person on the other end of the line hangs up the phone.
- If the person on the other end of the line cannot hear the conversation due to an echo, decrease the volume level for hands-free phoning.
- With some cellular phones, even after you press the accept button on the cellular phone when a call comes in, hands-free phoning may not be performed.
- The registered name will appear if the phone number is already registered in the phone book. When the same phone number is registered under different names, only the phone number will be displayed.

►The received call and dialed number histories

- You cannot make a call to the entry of an unknown user (no phone number) in the received call history.
- If calls are made by operating your cellular phone, no history data will be recorded in this product.

►Phone book transfers

- If there are more than 1 000 phone book entries on your cellular phone, not all entries may download completely.
- Depending on the phone, this product may not display the phone book correctly.
- If the phone book in the phone contains image data, the phone book may not be transferred correctly.
- Depending on the cellular phone, phone book transfer may not be available.

Bluetooth audio

Before using the Bluetooth audio player, register and connect the device to this product (page 19).

NOTES

- Depending on the Bluetooth audio player connected to this product, the available operations with this product may be limited to the following two levels:
 - A2DP (Advanced Audio Distribution Profile): Only playing back songs on your audio player is possible.
 - A2DP and AVRCP (Audio/Video Remote Control Profile): Playing back, pausing, selecting songs, etc., are possible.
- Depending on the Bluetooth device connected to this product, the available operations with this product may be limited or differ from the descriptions in this manual.
- While you are listening to songs on your Bluetooth device, refrain from operating the phone function as much as possible. If you try operating, the signal may cause noise for song playback.
- When you are talking on the Bluetooth device connected to this product via Bluetooth, it may pause playback.

1 Touch .

2 Touch  then .

The system setting screen appears.

3 Touch [AV Source Settings].

4 Confirm that [Bluetooth Audio] is turned on.

5 Touch .

6 Touch .

The AV source screen appears.

7 Touch [Bluetooth Audio].

The Bluetooth audio playback screen appears.

Basic operation

Bluetooth audio playback screen



①	Track number indicator
	Switches between playback and pause.
	Skips files forward or backward. - By touching then touch or , you can also skip files forward or backward. - By touching then touch and hold or , you can also perform fast reverse or fast forward.
	Sets a repeat play range.
	Plays files in random order.
	Selects a file or folder from the list to playback. NOTE This function is available only when the AVRCP version of the Bluetooth device is 1.4 or higher.
	Switches among the Bluetooth devices when the devices are connected to this product via Bluetooth (page 20).

AV source

Supported AV source

You can play or use the following sources with this product.

- Radio*1
- HD Radio Broadcasts (HD Radio™ tuner)*2
- USB

The following sources can be played back or used by connecting an auxiliary device.

- iPod
- Spotify®
- Bluetooth® audio
- SiriusXM® Satellite Radio
- AV input (AV)
- AUX
- Car Sources (iDataLink)

*1 DMH-2600NEX

*2 DMH-2660NEX

Displaying the AV operation screen

- 1 Touch  then touch the AV operation key.

The AV operation screen appears.



①	Displays the source list.
	Selects or customizes the equalizer curve (page 85).

Selecting a source

Source on the AV source selection screen

- 1 Touch  then touch .
- 2 Touch the source icon.
When you select [Source OFF], the AV source is turned off.

Source on the source list

- 1 Touch  then touch the AV operation key.
- 2 Touch .
- 3 Touch the source key.
When you select [Source OFF], the AV source is turned off.

Changing the display order of source

NOTE

This function is available only when you stop your vehicle in a safe place and apply the parking brake.

Changing the display order of source icons

- 1 Touch  then touch .
- 2 Touch and hold the source icon and drag the icon to the desired position.

Changing the display order of source keys

- 1 Touch  then touch the AV operation key.
- 2 Touch .
- 3 Touch .
- 4 Drag the source key to the desired position.

Adjusting the range of favorite source icons area

NOTE

This function is available only when you stop your vehicle in a safe place and apply the parking brake.

- 1 Touch .
- 2 Touch and hold .
 appears at the top left of the favorite source icons.
- 3 Drag  to the desired position.
When you finish adjusting, touch .

HD Radio™ Technology/ Radio

HD Radio Technology

2660NEX

Radio

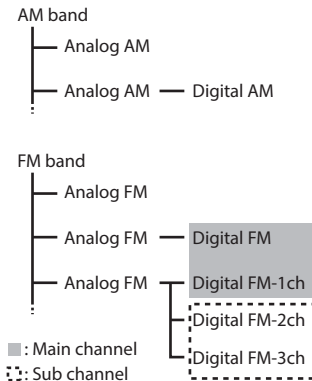
2600NEX

About HD Radio stations

HD Radio stations offer high quality audio and data services. HD Radio stations are brought to you by your local FM or AM stations.

HD Radio stations feature the following:

- High quality audio
- FM multicasting
- Data service



Digital Sound

Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.

PSD

Program Service Data: Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.

HD2/HD3

Adjacent to traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.

Artist Experience

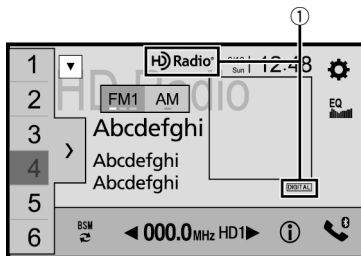
Visual information related to content being played on your HD Radio receiver, such as Album Art, historical photographs, still art from live broadcasts, among other related content.

Starting procedure

- 1 Touch  then touch .
- 2 Touch [HD Radio] or [Radio].
The HD Radio or Radio screen appears.

Basic operation

HD Radio, Radio screen



①*	HD Radio indicator and Signal type indicator
	Recalls the preset channel stored to a key from memory. Stores the current broadcast frequency to a key.
	Displays the preset channel list. Select an item on the list ([1] to [6]) to switch to the preset channel.
	Selects the FM1, FM2, FM3 or AM band.
	Displays a pop-up explaining how to start the BSM (best stations memory) function (page 34). Performs BSM function (page 34).
	Manual tuning Seek tuning or non stop seek tuning Releasing the key in a few seconds skips to the nearest station from the current frequency. Keep holding the key for long seconds to perform non stop seek tuning.
	Switches the text display between the main channel and sub channels.

TIPS

- By touching  then touch  or , you can also switch the preset channels.
- By touching  then touch and hold  or  and releasing it, you can also perform seek tuning.

Storing the strongest broadcast frequencies (BSM)

The BSM (best stations memory) function automatically stores the six strongest broadcast frequencies under the preset channel keys [1] to [6].

NOTES

- Storing broadcast frequencies with BSM may replace those you have already saved.
- Previously stored broadcast frequencies may remain stored if the number of frequencies stored has not reached the limit.

1 Touch and hold to begin search.

While the message is displayed, the six strongest broadcast frequencies will be stored under the preset channel keys in the order of their signal strength.

TIP

By touching , you can display a pop-up that explains how you can start the BSM function.

To cancel the storage process

1 Touch [Cancel].

Radio settings

1 Touch .

2 Touch then .

The system setting screen appears.

3 Touch [AV Source Settings].

4 Touch [Radio settings].

The menu items vary according to the source.

Menu Item	Description
[Blending]* [On] [Off]	Switches to the analog broadcast of the same frequency level automatically when reception of a digital broadcast becomes weak. Select [Off] to receive only a digital signal.
[Seek]*	Select the method of seek tuning.

Menu Item	Description
[Seek All]	Seeks stations from both analog and digital broadcasting.
[Seek HD]	Only seeks stations from digital broadcasting.
[Local] [Off] FM: [Level1] [Level2] [Level3] [Level4] AM: [Level1] [Level2]	Local seek tuning allows you to only tune into radio stations with sufficiently strong signals. NOTE [Level4] for FM and [Level2] for AM are available only with the stations with the strongest signals.

* DMH-2660NEX

Compressed files

Plugging/unplugging a USB storage device

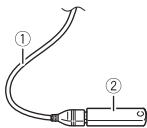
You can play compressed audio, compressed video, or still image files stored in an external storage device.

Plugging a USB storage device

- 1 Pull out the plug from the USB port of the USB cable.
- 2 Plug a USB storage device into the USB cable.

NOTES

- This product may not achieve optimum performance with some USB storage devices.
- Connection via a USB hub is not possible.
- A USB cable is required for connection.



①	USB cable
②	USB storage device

Unplugging a USB storage device

- 1 Pull out the USB storage device from the USB cable.

NOTES

- Check that no data is being accessed before pulling out the USB storage device.
- Turn off (ACC OFF) the ignition switch before unplugging the USB storage device.

Starting procedure

- 1 Touch  then touch .

2 Plug the USB storage device into the USB cable (page 36).

3 Touch [USB].

Playback is performed in order of folder numbers. Folders are skipped if they contain no playable files.

Basic operation

TIPS

- By touching  then touch  or , you can also skip files/chapters forward or backward.
- By touching  then touch and hold  or  on the audio or video file, you can also perform fast reverse or fast forward.
- You can set the screen size for the video and image files (page 93).

Audio source

Audio source screen 1



①	Displays the link search screen. Touch the song to play back followed by touching the song information, after switching to Music Browse mode (page 39). TIP If you touch the artwork, the list of songs in the album is displayed.
	Switches between playback and pause.
 	Skips files forward or backward.

  	Sets a repeat play range for all files/the current folder/the current file.
 	Plays files or does not play in random order.
	Displays the hidden function bar. TIP You can also display the hidden function bar by flicking the bar from the right to the left.
	Switches the following media file types. [Music]: Compressed audio files [Video]: Compressed video files [Photo]: Image files
	Selects a file from the list. Touch a file on the list to playback. TIP Touching a folder on the list shows its contents. You can play a file on the list by touching it. NOTE When you play compressed audio files stored in a USB storage device, you can search for a file using Music Browse (page 39).

Audio source screen 2



	Displays the hidden function bar. TIP You can also display the hidden function bar by flicking the bar from the left to the right.
--	--

	Selects the previous folder or the next folder.
	Constructs the database for using the Music Browse mode (page 39).
	Switches the current music information display.

► Selecting a file using Music Browse mode

You can select files to play back using the category list if the files contain tag information.

NOTES

- This function is available for the USB storage device only.
- Music Browse mode cannot be held once the power is turned off.

1 Touch to create a database.

Music Browse mode will be available after the database has been created.

2 Touch .

3 Touch the desired category to display the file list.

4 Touch the item.

Refine the item until the desired song title or file name is displayed on the list.

5 Touch the desired song title or file name to play back.

If the selection made with Music Browse has been canceled, you can switch to Music Browse mode again by touching the [Tag] tab on the file/folder list screen and touching the desired track.

TIP

Once the database is created in the USB storage, there is no need to create the database again as long as the same contents are saved. To enter the Music Browse mode directly, touch  and then touch [Tag] before selecting the song.

Video source

⚠ CAUTION

For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.

Video source screen



①	Hides the touch panel keys. To display the keys again, touch anywhere on the screen.
	Switches between playback and pause.
	Performs fast reverse or fast forward. Touch again to change the playback speed.
	Stops playback.
	Performs frame-by-frame playback.
	Performs slow-motion playback.
	Sets a repeat play range for all files/the current folder/the current file.
	Switches the audio language.
	Switches the following media file types. [Music]: Compressed audio files [Video]: Compressed video files [Photo]: Image files

	Selects a file from the list. Touch a file on the list to playback. TIP Touching a folder on the list shows its contents. You can play a file on the list by touching it.
	Skips files forward or backward.

Still image source

TIPS

- Image files are not displayed in the rear display.
- By touching  then touch and hold  or  on the still image file, you can search through 10 image files at a time. If the file currently being played is the first or last file in the folder, the search is not performed.

Still image screen



①	Hides the touch panel keys. To display the keys again, touch anywhere on the screen.
	Switches between playback and pause.
	Skips files forward or backward.
	Selects the previous folder or the next folder.

	Saves the current images as the wallpaper. Touch the following items then touch [Yes] to overwrite the image. [As AVScreen]: Saves the image as the wallpaper for the AV screen. [As HomeScreen]: Saves the image as the wallpaper for the top menu screen. [As Both]: Saves the image as the wallpaper for both the AV screen and top menu screen. NOTE If you save the new image, the current wallpaper is overwritten except for the preset image.
	Rotates the displayed picture 90° clockwise.
 	Sets a repeat play range for all files/the current folder.
 	Plays all files in the current repeat play range or does not play them in random order.
	Switches the following media file types. [Music]: Compressed audio files [Video]: Compressed video files [Photo]: Image files
	Selects a file from the list. Touch a file on the list to playback. TIP Touching a folder on the list shows its contents. You can play a file on the list by touching it.

iPod

Connecting your iPod

When connecting an iPod to this product, the settings are automatically configured according to the device to be connected. For details of the compatibility, refer to Compatible iPod/iPhone models (page 107).

NOTES

- Depending on the generation or version of the iPod, some functions may not be available.
- Do not delete the Apple Music app from your iPod, since some functions may not be available.

1 Connect your iPod.

- iPhone or iPod via USB or Bluetooth

2 Touch then touch .

3 Touch [iPod].

NOTES

- For USB connection, refer to the Installation Manual.
- For Bluetooth connection, see page 19.

Basic operation

TIPS

- By touching  then touch  or , you can also skip files forward or backward.
- By touching  then touch and hold  or , you can also perform fast reverse or fast forward.

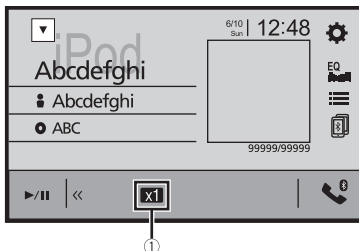
Audio source

Audio source screen 1



①	Displays the link search screen. Select a song from the list related to the song currently playing. TIP If you touch the artwork, the list of songs in the album is displayed. NOTE This function is not available while playing Apple Music Radio.
	Switches between playback and pause.
	Skips files forward or backward.
	Sets a repeat play range for all in the selected list/the current song.
	Plays songs within the selected list/album randomly.
	Displays the hidden function bar. NOTE Only available when audiobook is played.
	Switches among connected devices.
	Selects a song from the list. Touch the category then the title of the list to playback of the selected list. TIPS • If you use English as the system language, the alphabet search function is available. Touch the initial search bar to use this function. • When you touch Apple Music Radio station in the list screen, Apple Music Radio screen appears (page 45). NOTES • Depending on the generation or version of the iPod, some functions may not be available. • Only 16 000 songs in the iPod are available in the list if the iPod has more than 16 000 songs. Available songs depend on the iPod.

Audio source screen 2



①	Changes the audiobook speed. Normal—Fast—Slow NOTE This function may not operate correctly depending on the iOS version of the connected iPod/iPhone.
	Displays the hidden function bar.

Apple Music Radio source

Important

Apple Music Radio may not be available in your country or region. For details about Apple Music Radio, visit the following site: <https://www.apple.com/music/>

NOTE

This function is only available when using the iPod function with iOS 8 or higher (up to iOS 12) installed on iPhone 7, iPhone 7 Plus, iPhone SE, iPhone 6s, iPhone 6s Plus, iPhone 6, iPhone 6 Plus, iPhone 5s, iPhone 5c, iPhone 5 or iPod touch (5th and 6th generation).

Apple Music Radio screen



	Switches between playback and pause.
	Displays the pop-up menu for Apple Music Radio. • Touch [Play More Like This] to play back songs similar to the current song. • Touch [Play Less Like This] to set it not to play back the current song again. • Touch [Add to iTunes Wish List] to add the current song to the iTunes wish list. NOTE This function may not be used depending on your Apple Music account status.
	Skips tracks forward.

WebLink™

WebLink lets you enjoy compatible smartphones apps in the car. You can operate WebLink compatible applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

NOTES

- The supported finger gestures may vary depending on the WebLink compatible application.
- To use WebLink, you must first install the WebLink Host app on the iPhone or smartphone. For details about the WebLink Host app, visit the following site: <https://www.abaltatech.com/weblink/>
- Be sure to read Using app-based connected content (page 107) before you perform this operation.
- Copyright protected files such as DRM cannot be played.

⚠ WARNING

Certain uses of the iPhone or smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Using WebLink

Important

- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.
- In WebLink, functionality through the product is limited while driving, with available functions determined by the App providers.
- Availability of WebLink functionality is determined by the App provider, and not determined by Pioneer.
- WebLink allows access to applications other than those listed that are subject to limitations while driving.

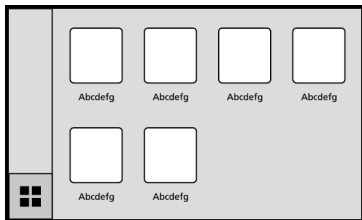
Starting procedure

When connecting an iPhone or a smartphone to this product, the settings are automatically configured according to the device to be connected.

TIPS

- Touch the desired application icon after the WebLink app is launched.
- If you connect your device to this product while a WebLink compatible application is already running, the application operation screen will appear on this product.
- The desired application is launched, and the application operation screen appears.
- Touch  to go back to the top menu screen.

WebLink



Displays the main menu of the WebLink source screen.

TIP

When the rear display is connected to this unit, video from the WebLink screen can be displayed to the rear display except while the AV source with video content is active even while driving.

For iPhone users

System requirement

iOS 10.0 or higher (up to iOS 12.x)

NOTE

iPhone 4s is not available on the WebLink.

1 Unlock your iPhone and connect it to this product via USB.

Refer to the Installation Manual.

2 Touch .

3 Touch .

4 Touch [WebLink].

5 Touch desired icon in the tab.

The WebLink app is launched.

For smartphone (Android™) users

System requirement

Android 5.0 or higher (up to Android 9.x)

NOTES

- [USB MTP] is set to [Off] to use WebLink (page 77).

- The video playback capability depends on the connected Android device.
- 1 Unlock your smartphone and connect it to this product via USB.**
Refer to the Installation Manual.
 - 2 Touch** .
 - 3 Touch** .
 - 4 Touch [WebLink].**
 - 5 Touch desired icon in the tab.**
The WebLink app is launched.

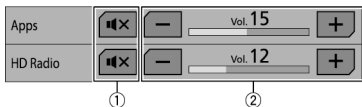
Using the audio mix function

You can output the audio mixing AV source and an application for iPhone when WebLink is used.

NOTES

- This function is only available when WebLink is used with an iPhone.
- Depending on the application or AV source, this function may not be available.

- 1 Start up the WebLink.**
- 2 Touch VOL (+/-).**
The audio mix menu will be displayed on the screen.



①	Touch to mute. Touch again to cancel mute.
②	Adjusts the audio volume.

Apple CarPlay

You can operate iPhone applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

Compatible iPhone models

For details about compatibility of iPhone models, refer to the following website.
<https://www.apple.com/ios/carplay>

NOTE

The compatible finger gestures vary depending on the application for the iPhone.

⚠ WARNING

Certain uses of the iPhone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Using Apple CarPlay

🔔 Important

Apple CarPlay may not be available in your country or region.

For details about Apple CarPlay, visit the following site:

<https://www.apple.com/ios/carplay>

- The content and functionality of the supported applications are the responsibility of the App providers.
- In Apple CarPlay, usage is limited while driving, with availability of functions and content determined by the App providers.
- Apple CarPlay allows access to applications other than those listed that are subject to limitations while driving.
- PIONEER IS NOT RESPONSIBLE AND DISCLAIMS LIABILITY FOR THIRD PARTY (NON-PIONEER) APPS AND CONTENT, INCLUDING WITHOUT LIMITATION ANY INACCURACIES OR INCOMPLETE INFORMATION.

Setting the driving position

To achieve optimum usability of Apple CarPlay, set the driving position setting correctly according to the vehicle. The setting will be applied the next time an Apple CarPlay compatible device is connected to this product.

1 Touch .

2 Touch  then .

The system setting screen appears.

- 3** Touch [Driving Position].
- 4** Touch the item.
[Left]
Select for a left-hand drive vehicle.
[Right]
Select for a right-hand drive vehicle.

Starting procedure

- 1** Connect an Apple CarPlay compatible device to this product via USB.
- 2** Touch .
- 3** Touch .
- 4** Touch [Apple CarPlay].
- 5** Touch Apple CarPlay icon in the tab.
The application screen appears.

TIP

You can use Siri function by touching  button once Apple CarPlay is activated.

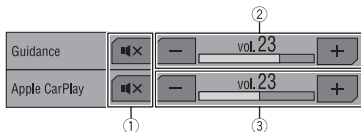
NOTES

- For details on USB connection, refer to the Installation Manual.
- If an Apple CarPlay compatible device has been connected and another screen is displayed, touch [Apple CarPlay] on the top menu screen to display the Application menu screen.
- The Bluetooth connection with the Apple CarPlay compatible device will be terminated automatically if Apple CarPlay is turned on. While Apple CarPlay is turned on, only a Bluetooth audio connection will be possible for devices other than the device connected via Apple CarPlay.
- Hands-free phoning via Bluetooth wireless technology is not available while Apple CarPlay is on. If Apple CarPlay is turned on during a call on a cellular phone other than an Apple CarPlay compatible device, the Bluetooth connection will be terminated after the call ends.

Adjusting the volume

You can adjust the guidance volume separately from the main sound volume when Apple CarPlay is used.

- 1** While Apple CarPlay is activated, touch VOL (+/-).
The volume menu will be displayed on the screen.



①	Touch to mute. Touch again to cancel mute.
②	Touch [+]/[-] to adjust the guidance volume.
③	Displays the main sound volume. To adjust the main sound volume, touch VOL (+/-) on the unit or touch [+]/[-].

NOTE

The volume menu is displayed for four seconds. If the menu disappears, touch **VOL (+/-)** again. The menu reappears.

Android Auto™

You can operate Android applications with finger gestures such as tapping, dragging, scrolling, or flicking on the screen of this product.

Compatible Android devices

For details about compatibility of Android models, refer to the following website.
<https://support.google.com/androidauto>

NOTES

- [USB MTP] is set to [Off] to use Android Auto (page 77).
- The compatible finger gestures vary depending on the application for the smartphone.

WARNING

Certain uses of the smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Using Android Auto

Important

Android Auto may not be available in your country or region.

For details about Android Auto, please refer to the Google™ support site:

<http://support.google.com/androidauto>

- The content and functionality of the supported applications are the responsibility of the App providers.
- In Android Auto, usage is limited while driving, with availability of functions and content determined by the App providers.
- Android Auto allows access to applications other than those listed that are subject to limitations while driving.
- PIONEER IS NOT RESPONSIBLE AND DISCLAIMS LIABILITY FOR THIRD PARTY (NON-PIONEER) APPS AND CONTENT, INCLUDING WITHOUT LIMITATION ANY INACCURACIES OR INCOMPLETE INFORMATION.

Setting the driving position

To achieve optimum usability of Android Auto, set the driving position setting correctly according to the vehicle. The setting will be applied the next time an Android Auto compatible device is connected to this product.

1 Touch .

2 Touch  then .

The system setting screen appears.

- 3** Touch [Driving Position].
- 4** Touch the item.
[Left]
Select for a left-hand drive vehicle.
[Right]
Select for a right-hand drive vehicle.

Starting procedure

- 1** Connect an Android Auto™ compatible device to this product via USB.
- 2** Touch .
- 3** Touch .
- 4** Touch [Android Auto].
- 5** Touch Android Auto icon in the tab.
The application screen appears.

TIP

You can use voice recognition function by touching  button once Android Auto is activated.

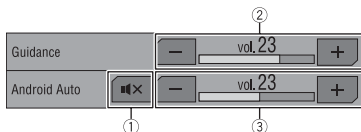
NOTES

- For details on USB connection, refer to the Installation Manual.
- When the device for Android Auto is connected to this unit, the device is also connected via Bluetooth at the same time. If five devices are already paired, the message confirming whether to delete the registered device is displayed. If you want to delete the device, touch [Agree]. If you want to delete other device, touch [BT Settings] and delete the devices manually (page 20).
- If Android Auto is turned on during a call on a cellular phone other than the Android Auto compatible device, the Bluetooth connection will switch to the Android Auto compatible device after the call.

Adjusting the volume

You can adjust the guidance volume separately from the main sound volume when Android Auto is used.

- 1** While Android Auto is activated, touch VOL (+/-).
The volume menu will be displayed on the screen.



①	Touch to mute. Touch again to cancel mute.
②	Touch [+] / [-] to adjust the guidance volume.
③	Displays the main sound volume. To adjust the main sound volume, touch VOL (+/-) on the unit or touch [+] / [-].

NOTE

The volume menu is displayed for four seconds. If the menu disappears, touch **VOL (+/-)** again. The menu reappears.

Setting the auto-launch function

If this function is set to on, Android Auto will launch automatically when an Android Auto compatible device is connected to this product.

NOTE

Android Auto will launch automatically only when an Android Auto compatible device is correctly connected to this product.

1 Touch

2 Touch then

3 Touch [Android Auto Auto-launch] to switch [On] or [Off].

Spotify®

To enjoy Spotify as you drive, first download the Spotify app to your iPhone or smartphone. You can download it from the iTunes App Store or Google Play. Choose a free account or a paid Premium account, either in the app or at spotify.com. A Premium account gives you more features like offline listening. If you have Spotify already, please update the app so you have the latest version then connect your phone to your car. Now you can take your music on the road.

WARNING

Certain uses of the iPhone or smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Important

- To use Spotify, you need to connect to the Internet via 3G, EDGE, LTE (4G), or a Wi-Fi network. If the data plan for your iPhone or smartphone does not provide for unlimited data usage, additional charges from your carrier may apply.
- For information on the countries and regions where Spotify can be used, take a look at <https://spotify.com/us/select-your-country/>.

Limitations:

- Depending on the availability of the Internet, you may not be able to receive the Spotify service.
- The Spotify service is subject to change without notice. The service could be affected by any of the following: firmware version of the iPhone or smartphone, firmware version of the Spotify application, changes to the Spotify music service.
- Certain functions of the Spotify service are not available when accessing the service through Pioneer car audio/video products.
- Spotify is a music service not affiliated with Pioneer. More information is available at <https://support.spotify.com/>.
- The Spotify application is available for most iPhone and smartphone, please visit <https://support.spotify.com/> for the latest compatibility information.

Listening to Spotify

Update the firmware of the Spotify application to the latest version before use.

1 Unlock the mobile device and connect it to this product.

- iPhone via USB or Bluetooth
- Smartphone via Bluetooth

2 Touch .

- 3 Touch  then .
- 4 Touch [AV Source Settings].
- 5 Confirm that [Spotify] is turned on.
- 6 Touch  then touch .
- 7 Touch [Spotify].

NOTES

- For details on Bluetooth connection, see page 19.
- For details on USB connection for iPhone, refer to the Installation Manual.

Basic operation

Playback screen 1 (Track)



	Switches between playback and pause.
 	Skips tracks forward or backward. TIP By touching  then touch  , you can skip tracks forward.
	Switches to radio mode.
	Saves or deletes the current song information to or from Your Music.

	Displays the hidden function bar. TIP You can also display the hidden function bar by flicking the bar from the right to the left.
	Switches among connected devices.
	Selects a track or station from the list. Your Music: Selects a track or station from the list of saved song information. Browse: Selects a track from the category list. Radio: Selects a station from the station list. Recently Played: Selects a track from recently played.

Playback screen 2 (Track)



	Displays the hidden function bar. TIP You can also display the hidden function bar by flicking the bar from the left to the right.
	Sets a repeat play range.
	Plays tracks in random order.

Playback screen 1 (Radio mode)



	Switches between playback and pause.
 	Skips tracks forward or backward. TIP By touching  then touch  , you can skip songs forward. NOTE The number of tracks that are skipped varies depending on the application.
	Starts new radio mode.
	Saves or deletes the current song information to or from Your Music.
	Displays the hidden function bar. TIP You can also display the hidden function bar by flicking the bar from the right to the left.
	Switches among connected devices.
	Selects a track or station from the list. Your Music: Selects a track or station from the list of saved song information. Browse: Selects a track from the category list. Radio: Selects a station from the station list. Recently Played: Selects a track from recently played.

Playback screen 2 (Radio mode)



	Displays the hidden function bar. TIP You can also display the hidden function bar by flicking the bar from the left to the right.
	Gives a Thumbs Up to the playing track.
	Gives a Thumbs Down to the playing track and skips to the next track. NOTE The number of tracks that are skipped varies depending on the application.

SiriusXM® Satellite Radio

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy, and entertainment. Welcome to the world of satellite radio. A SiriusXM Connect Vehicle Tuner and Subscription are required. For more information, visit the website (www.siriusxm.com).

To take full advantage of all the SiriusXM capabilities, such as TuneMix™, SportsFlash™ and Traffic & Weather Now, please use the SXV300 tuner (sold separately). Other tuners are compatible but may limit the features.

Subscribing to the SiriusXM Satellite Radio service

- 1** Touch  then touch .
- 2** Touch [SiriusXM].
You should be able to tune in to Channel 1. If you cannot get Channel 1, ensure that your SiriusXM Connect Vehicle Tuner is installed correctly.
- 3** Switch to Channel 0 and check the Radio ID.
The SiriusXM Radio ID can be found by tuning in to Channel 0.
You will need this number to activate your subscription.

NOTE

The SiriusXM Radio ID does not include the letters I, O, S, or F.

- 4** Activate the service either online or by phone.

TIP

In the USA, you can activate online or by calling SiriusXM Listener Care:

- Visit the website
www.siriusxm.com/activatenow
- Call SiriusXM Listener Care at
1-866-635-2349

For Canadian subscriptions, please contact:

- Visit the website
www.xmradio.ca
and click on "ACTIVATE RADIO" at the top right corner of the page, or call (1-877-438-9677).

NOTES

- The SiriusXM satellites will send an activation message to your tuner. When the tuner has received the message, [Subscription Updated] is displayed.
- The activation process usually takes 10 to 15 minutes, but it may take up to an hour. Do not turn off this product while the activation message is displayed.

Listening to SiriusXM

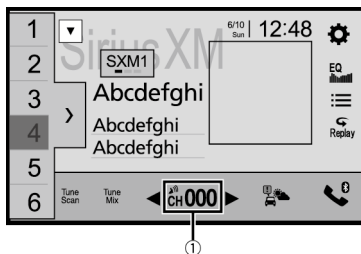
- 1 Touch  then touch .
- 2 Touch [SiriusXM].

Basic operation

TIPS

- By touching  then touch  or , you can move the preset channels up or down on the current channel screen, and skip files forward or backward on the play time indicator screen.
- By touching  then touch and hold  or , you can move channels up or down on the current channel screen, and perform fast reverse or fast forward on the play time indicator screen.
- On the Featured Favorites Band, the current broadcast frequency cannot be stored to a key (page 65).
- If fewer than two music channels are stored as presets, you cannot use the TuneMix function.
- [RADIO ID] is displayed when Channel 0 is selected.

Current channel display (Live broadcast mode)



①	Selects a channel directly.
	 Recalls the preset channel stored to a key from the memory.
	 Stores the current channel to a key.
	Displays the preset channels. Select an item on the list ([1] to [6]) to switch to the preset channel.
	Selects a band. There are 3 bands and a Featured Favorites. You can store 6 channels per band for a total of 18 presets.

	Performs TuneScan™ (page 64).
	Switches TuneMix™ to on or off. You can use TuneMix™ from each of the music channels stored as presets on the current band. NOTES • When fewer than two music channels are stored as presets, you cannot use TuneMix™. • Locked channels will not be used by TuneMix™ until the channels are unlocked by entering the parental control passcode.
 	 Performs channel number up/down.  Performs fast channel number up/down.
	Switches to the channel broadcasting the traffic and weather information for the selected city (Traffic & Weather Now™). Touch the desired city to access the latest Traffic & Weather report for your favorite market. To cancel Traffic & Weather Now™, touch . TIPS • Grayed out: Traffic and weather broadcast for your market is not yet available. • With green dot: Latest report available, but not listened to yet. • White: Latest report available to hear again. • To listen to the information again, touch  on the current channel display. • If you have not selected the city, touch  to select the city. You can also select the city in advance (page 67). • If you have already selected the city, you can listen to the information only by touching . NOTES • To use this function, select the city in advance (page 67). • The selected city can be changed in the SiriusXM settings (page 67).
	Switches to Replay™ Mode.

	Selects a channel from the list. Select the category name or the list of all channels then touch the desired channel. To switch the display list, touch . TIPS - The displayed list switches in the following order. Channel Name—Artist Name—Song Title—Content Info - If you touch , you can scan each channel in the selected category. - When there is no category, you can select the channel from [Others]. NOTES - The types of categories available depend on the types of channels available. - It may take time to display the channel list depending on the SiriusXM reception condition.
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Replay™ Mode (Time bar display)



	Switches between playback and pause.
	Performs content forward or backward.
	Performs fast forward or rewind.
	Switches to live broadcast mode.

TuneScan™

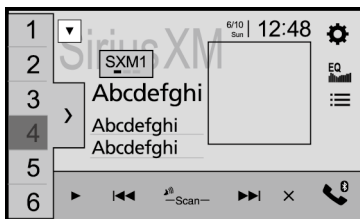
When you activate the TuneScan™ feature, you will hear a few seconds of the songs which have not been listened to from each of the music channels stored as presets on the current band.

NOTES

- When fewer than two music channels are stored as presets, you cannot use TuneScan™.

- TuneScan™ may take a few minutes to become available after the product is turned on or the preset band is changed.

1 Touch  to display the following display.



	Continues playing the current scanning song or channel.
 	Skips to the previous/next song during TuneScan™ or to the previous/next channel during category scan.
	Cancels scan play and returns to the previous channel.

SportsFlash™

SportsFlash™ will notify you when a big play happens during a game with one of your favorite sports teams.

Choose to tune in and hear the play unfold like it was live. Continue listening to the game, or you can return to your previous channel.

For details, see [SportsFlash] (page 67) and [SportsFlash List] (page 67) in SiriusXM settings.

SmartFavorites

All preset channels will buffer the content to be used for Replay, TuneStart, TuneScan and TuneMix features.

Using Featured Favorites Band

Featured Favorites are groups of channels that are created by the SiriusXM Programming department allowing you to discover new channels. Featured Favorite channels are dynamic and can change often, allowing you to discover new channels.

For details, see [Featured Favorites] and [Featured Band Update Message] in SiriusXM settings (page 66).

How to access

When there is a Featured Favorite, access it with the band key.

1 Touch the band key.

SXM1—SXM2—SXM3—FF

When there are multiple Featured Favorites, access them from the category list.

It is displayed at the bottom of the category list (page 64).

Parental lock

The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content. When enabled, the Parental Control feature requires you to enter a passcode to tune to the locked channels.

For details, see [Parental Control] in SiriusXM settings (page 67).

SiriusXM settings

1 Touch .

2 Touch then .

The system setting screen appears.

3 Touch [AV Source Settings].

4 Touch [SiriusXM settings].

The menu items vary depending on whether SiriusXM is selected as the source.

Menu Item	Description
[Tune Start] [On] [Off]	Start songs automatically from the beginning when you tune to one of your preset channels in the current preset band when TuneStart™ is turned on.

Menu Item	Description
[Parental Control]	Enter the current passcode then touch  to set this function (the default passcode is 0000). • To edit the passcode, touch [Edit Code] then touch  followed by entering the new passcode. • To lock the channel, touch the appropriate channel.  appears and the channel is locked. TIPS • When you touch the locked channel, the channel is unlocked. • When you touch [Clear All], all locked channels are unlocked.
[Featured Favorites] [On] [Off]	Set to [On] to allow you to discover new channels created by the SiriusXM Programming department. NOTE When [Featured Band Update Message] is set to [On] and the Featured Favorite Band is updated, the Featured Band Update message will appear.
[Featured Band Update Message] [On] [Off]	Set to [On] to be notified when the featured seasonal theme is updated. TIP To display [Featured Band Update Message] at all times, [Featured Favorites] needs to be set to [On].
[SportsFlash] [On] [Off]	Set to [On] to activate the SportsFlash™ function. • Touch [Play] to listen to the notified channel. • Touch [Ignore] to stay tuned to the current channel. • Touch [Cancel] to cancel notifications regarding the game.
[SportsFlash List]	Select favorite teams for SportsFlash™. • Touch [Edit List] then select a league and team to set the favorite. TIPS • You can touch an item again to deselect it. • If you want to remove all the teams you have set, touch [Clear All]. Setting of priorities If you set many Favorite Teams, up to 5 Favorite Teams can be received at once. Set the priorities if more than six teams are set as Favorite Teams. 1 Touch [Prioritize] on the team selection screen. 2 Select the five high priority teams from the selected favorite teams.
[City List]	Select the city for the latest traffic and weather report in Traffic & Weather Now™.

Menu Item	Description
[SiriusXM Reset]	Set to restore to the default SiriusXM settings by touching [Restore].  CAUTION Do not turn off the engine while restoring the settings. NOTES • This setting is available only when you stop your vehicle in a safe place and apply the parking brake. • The source is turned off before the process starts.

AUX

You can display the video image output by the device connected to video input.

⚠ CAUTION

For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.

NOTE

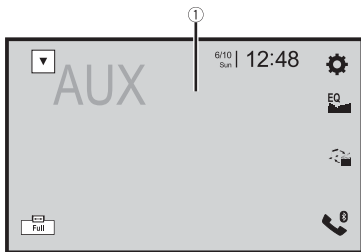
A Mini-jack AV cable (sold separately) is required for connection. For details, refer to the Installation Manual.

Starting procedure

- 1 Touch .
- 2 Touch  then .
- 3 Touch [Input/Output settings].
- 4 Confirm that [AUX Input] is turned on.
- 5 Touch  then touch .
- 6 Touch [AUX].
The AUX screen appears.

Basic operation

AUX screen



①	Hides the touch panel keys. To display the keys again, touch anywhere on the screen. TIP You can set the screen size for the video image (page 93).
	Switches between the video input and audio input.

AV input

You can display the video image output by the device connected to video or camera input. For details, refer to the Installation Manual.

CAUTION

For safety reasons, video images cannot be viewed while your vehicle is in motion. To view video images, stop in a safe place and apply the parking brake.

Starting procedure

- 1 Touch .
- 2 Touch  then .
- 3 Touch [Input/Output settings].
- 4 Touch [AV Input].
- 5 
 Touch [Source] for AV source or [Camera] for camera.

 Touch [On].
- 6 Touch  then touch .
- 7 
 Touch [AV] for AV source or [Camera View] for connected camera view.

 Touch [AV].
 The video image is displayed on the screen.

iDatalink

Using iDatalink

You can access the satellite radio source provided for the vehicle. The vehicle information and many OEM systems such as steering wheel controls, warning chimes, driver safety systems, and etc. can be displayed on this product by connecting the optional iDatalink adapter. It is also possible to add visual screens such as gauges, vehicle information, climate control, and parking assist. However, an extra interface module is required to access these features.

NOTE

Since the type of module varies depending on the vehicle model, search for your vehicle at the following URL to determine what features are available for each module. Remember to select the correct radio model for accurate results.

<http://maestro.idatalink.com/support>



Important

- For details about vehicle models that are compatible with the iDatalink adapter, refer to the information on our website.
- After installing the iDatalink adapter, be sure to check the operations.
- Functions and displays vary depending on the vehicle model. For details of the functions available for each model, refer to the information on our website.
- For troubleshooting information about iDatalink functions, visit the following website.
<http://maestro.idatalink.com/support>

Limitations

- The data is transmitted to this product from your vehicle system via the connected iDatalink adapter. Therefore, the actual data contents displayed on your product may be different from the contents on the screen described in this manual.
- When information on your vehicle or on the devices of your vehicle is sent from the iDatalink Maestro module, a screen notifying you of such information may pop up.

Activating iDatalink Maestro

Before using and/or connecting the iDatalink Maestro adapter, you will need to first flash the Maestro RR module with the appropriate vehicle and head unit firmware.

- 1 Find the device number (12 alphanumeric characters) on the label on the packaging of this product or on the product itself.**
- 2 Access the following website and follow the on-screen instructions to configure the desired firmware.**

<http://maestro.idatalink.com/>

NOTE

When the serial number input is required, input the device number of this product.

- 3 Install the vehicle/head unit specific firmware on your iDatalink Maestro module.**
- 4 Connect this product to iDatalink Maestro, and then install this product to the vehicle.**

The iDatalink function will be active.

NOTES

- For details on installing the firmware, refer to iDatalink Maestro website.
- For details on connecting this product to iDatalink Maestro, refer to the Installation Manual.
- You can also check the device number on the [Firmware Information] screen of this product (page 82).

Starting procedure

- 1 Connect the iDatalink Maestro adapter to this product.**
For details, refer to the Installation manual.
- 2 Touch  then touch .**
- 3 Touch [Car Sources] or [Car Features].**
The touched menu screen appears.

Using functions in Car Sources

These operations are almost similar to the built in AV sources of this product. For details of the operations, refer to the related pages.

- USB/iPod operations (page 36) (page 43)
- SiriusXM tuner operations (page 61)
- Bluetooth audio operations (page 26)
- Hands-free phone operations (page 21)

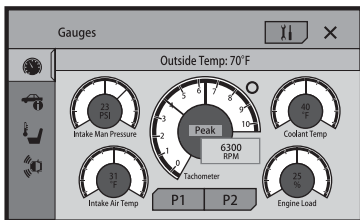
Using functions in Car Features

You can check and operate the following screens after selecting [Car Features] in the starting procedure. Touch one of the icons on the left side of the screen to change the feature.

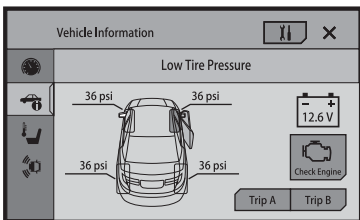
	Displays the Gauge screen.
	Displays the Vehicle Information screen.

	Displays the Climate screen.
	Displays the Parking Assist screen.

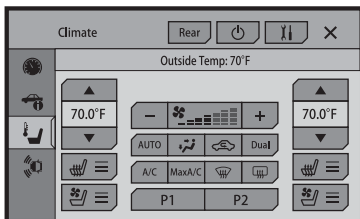
Gauges screen



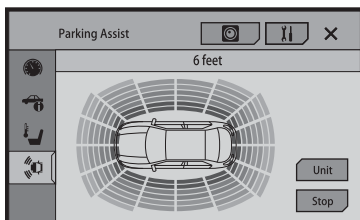
Vehicle Information screen



Climate screen



Parking Assist screen



Displaying obstacle detection information

⚠ CAUTION

This function is intended solely to assist the driver's vision. It does not detect all dangers and obstacles and is not a substitute for your attentiveness, judgement, and care while parking your vehicle.

NOTE

This function is only available for vehicles equipped with a parking sensor system.

iDatalink settings

- 1 Touch .
- 2 Touch  then .
- 3 Touch [OEM Settings] or [OEM Volume Settings].
The setting screen for iDatalink appears.

Menu Item	Description
[OEM Settings]	Setting for iDatalink function when the iDatalink adapter is connected to the unit.
[OEM Volume Settings]	Setting for iDatalink function volume when the iDatalink adapter is connected to the unit.

Settings

You can adjust various settings in the main menu.

Displaying the setting screen

- 1 Touch .
- 2 Touch .
- 3 Touch one of the following categories, then select the options.
 -  System settings (page 76)
 -  Theme settings (page 83)
 -  Audio settings (page 85)
 -  Video settings (page 91)
 -  Bluetooth settings (page 19)

System settings

The menu items vary according to the source.

[AV Source Settings]

Menu Item	Description
[Radio settings]	(page 34)
[SiriusXM settings]	(page 66)
[Bluetooth Audio] [On] [Off]	Setting Bluetooth audio source activation.
[Spotify] [On] [Off]	Setting Spotify source activation.

[Beep Tone]

Menu Item	Description
[Beep Tone] [On] [Off]	Select [Off] to disable the beep sound when the button is touched or the screen is touched.

[Auto Mix]

Menu Item	Description
[Auto Mix] [Off] [On]	Select whether to perform mixing the sound output from WebLink and AV source sound automatically. NOTE This function is only available when WebLink is used with an iPhone.

[Input/Output settings]

Menu Item	Description
[USB MTP] [Off] [On]	Select whether or not to activate USB MTP (Media Transfer Protocol) connection.
[AV Input] [Source] [Camera] [Off]*1 [On] [Off]*2	Select AV input source (page 71).
[AUX Input] [On] [Off]	Set to [On] for AUX source (page 69).

*1 DMH-2660NEX

*2 DMH-2600NEX

[Camera settings]

A separately sold rear view camera (e.g. ND-BC8) is required for utilizing the rear view camera function. (For details, consult your dealer.)

►Rear view camera

This product features a function that automatically switches to the full-screen image of the rear view camera installed on your vehicle when the shift lever is in the REVERSE (R) position.

Camera View mode also allows you to check what is behind you while driving.

TIP

The parking assist guidelines can be displayed temporarily on the rear view camera screen by touching the icon at the top left of the screen. The guidelines can be adjusted. For details on how to adjust the guidelines, see [Parking Assist Guide Adjust] (page 79).

►Camera for Camera View mode

Camera View can be displayed at all times. Note that with this setting, the camera image is not resized to fit, and that a portion of what is seen by the camera is not viewable.

To display the camera image, touch [Camera View] on the AV source selection screen (page 29).

NOTES

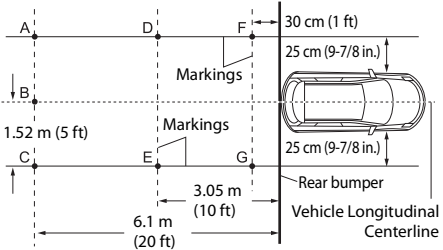
- To set the rear view camera as the camera for Camera View mode, set [Back Camera Input] to [On] (page 78).
 - When using the 2nd camera, set [AV Input] to [Camera] (page 71).*
 - When the camera view of both the rear view camera and 2nd camera are available, the key to switch the display appears. Touch this key to switch the display between the rear view image and 2nd camera image.*
- * DMH-2660NEX

CAUTION

Pioneer recommends the use of a camera which outputs mirror reversed images, otherwise the screen image may appear reversed.

- Immediately verify whether the display changes to the rear view camera image when the shift lever is moved to REVERSE (R) from another position.
- When the screen changes to full-screen rear view camera image during normal driving, switch to the opposite setting in [Camera Polarity].
- If you touch  while the camera image is displayed, the displayed image turns off temporarily.

Menu Item	Description
[Back Camera Input] [Off] [On]	Setting rear view camera activation.
[Camera Polarity]	Setting the polarity of the rear view camera.
[Battery]	The polarity of the connected lead is positive.
[Ground]	The polarity of the connected lead is negative.
NOTE This function is available when [Back Camera Input] is set to [On].	

Menu Item	Description
[Parking Assist Guide Adjust]	Adjusting the guidelines by dragging or touching ▲/▼/◀/▶ on the screen. Touch [Default] to reset the settings. ⚠ CAUTION - When adjusting the guidelines, park the vehicle in a safe place and apply the parking brake; this setting is available only when the vehicle is parked with the parking brake applied. - Turn the vehicle off before getting out to place the markings. - The range projected by the rear view camera is limited. Also, the vehicle width and distance guidelines displayed on the rear view camera image may differ from the actual vehicle width and distance. (The guidelines are straight lines.) - The image quality may deteriorate depending on the usage environment, such as at night or in dark surroundings. NOTES - Use painter's tape or similar tape to place markings as shown below before setting up the guidelines. - Adjust the guidelines so that they overlay the tape markings as closely as possible. 

[Demo Mode]

Menu Item	Description
[Demo Mode] [On] [Off]	Setting the demo mode.

[System Language]

Menu Item	Description
[System Language]	Select the system language. NOTES • If the embedded language and the selected language setting are not the same, the text information may not display properly. • Some characters may not be displayed properly.

[Restore Settings]

Menu Item	Description
[All Settings]	Touch [Restore] to restore the settings to the default settings. ⚠ CAUTION Do not turn off the engine while restoring the settings. NOTES • This setting is available only when you stop your vehicle in a safe place and apply the parking brake. • The source is turned off and the Bluetooth connection is disconnected before the process starts. • Before starting the restore process, disconnect any device that is connected to the USB port. Otherwise, some settings may not be restored correctly.

[Dimmer Settings]

NOTE

This setting is available only when you stop your vehicle in a safe place and apply the parking brake.

Menu Item	Description
[Dimmer Trigger]	Setting the dimmer brightness.
[Auto]	Switches the dimmer to on or off automatically according to your vehicle's headlight turning on or off.
[Manual]	Switches the dimmer to on or off manually.
[Time]	Switches the dimmer to on or off at the time you adjusted.
[Day/Night]	Setting the dimmer duration by day or night. You can use this function when [Dimmer Trigger] is set to [Manual].
[Day]	Turns the dimmer function to off.

Menu Item	Description
[Night]	Turns the dimmer function to on.
[Dimmer Duration]	Adjust the time that the dimmer is turned on or off by dragging the cursors or touching ◀ or ▶. You can use this function when [Dimmer Trigger] is set to [Time]. TIPS - Each touch of ◀ or ▶ moves the cursor backward or forward in the 15 minute width. - When the cursors are placed on the same point, the dimmer available time is 0 hours. - When the cursor for off time setting is placed on the left end and the cursor for on time setting is placed on the right end, the dimmer available time is 0 hours. - When the cursor for on time setting is placed on the left end and the cursor for off time setting is placed on the right end, the dimmer available time is 24 hours. NOTE The time display of the dimmer duration adjusting bar depends on the clock display setting (page 93).

[Driving Position]

Menu Item	Description
[Driving Position] [Right] [Left]	Setting the driving position. - Apple CarPlay (page 50) - Android Auto™ (page 53)

[Android Auto Auto-launch]

Menu Item	Description
[Android Auto Auto-launch] [On] [Off]	Select [On] to automatically launch Android Auto when an Android device is connected to the unit.

[Picture Adjustment]

You can adjust the picture for each source and rear view camera.

CAUTION

For safety reasons, you cannot use some of these functions while your vehicle is in motion. To enable these functions, you must stop in a safe place and apply the parking brake.

To adjust following menu, touch ◀, ▶, ▲, ▼ to adjust.

Menu Item	Description
[Brightness] [-24] to [+24]	Adjust the black intensity.
[Contrast] [-24] to [+24]	Adjust the contrast.
[Color]* [-24] to [+24]	Adjust the color saturation.
[Hue]* [-24] to [+24]	Adjust the tone of color (which color is emphasized, red, or green).
[Dimmer] [+1] to [+48]	Adjust the brightness of the display.
[Temperature] [-3] to [+3]	Adjust the color temperature, resulting in a better white balance.

* With some pictures, you cannot adjust [Hue] and [Color].

NOTES

- The adjustments of [Brightness], [Contrast], and [Dimmer] are stored separately when your vehicle's headlights are off (daytime) and on (nighttime).
- [Brightness] and [Contrast] are switched automatically depending on the setting of [Dimmer Settings].
- [Dimmer] can be changed the setting or the time to switch it to on or off (page 80).
- The picture adjustment may not be available with some rear view cameras.
- The setting contents can be memorized separately.

[System Information]

Menu Item	Description
[Firmware Information]	Displaying the firmware version.

Menu Item	Description
[Firmware Update]	⚠ CAUTION • The USB storage device for updating must contain only the correct update file. • Never turn this product off, disconnect the USB storage device while the firmware is being updated. • You can only update the firmware when the vehicle is stopped and the parking brake is engaged. 1 Download the firmware update files into your computer. 2 Connect a blank (formatted) USB storage device to your computer then locate the correct update file and copy it onto the USB storage device. 3 Connect the USB storage device to this product (page 36). 4 Turn the source off (page 29). 5 Display the [System] setting screen (page 76). 6 Touch [System Information]. 7 Touch [Firmware Update]. 8 Touch [Continue]. Follow the on-screen instructions to finish updating the firmware. NOTES • This product will reset automatically after the firmware update is completed if the update is successful. • If an error message appears on the screen, touch the display and perform the above steps again.
[License]	Displaying the open source license.

[OEM Settings]

Menu Item	Description
[OEM Settings]	(page 75).

[OEM Volume Settings]

Menu Item	Description
[OEM Volume Settings]	(page 75).



Theme settings

The menu items vary according to the source.

Menu Item	Description
[Background]	Select the wall paper from the preset items in this product or original pictures via the external device. The wall paper can be set from selections for the top menu screen and AV operation screen. TIP The preset image located on the far left changes randomly depending on the playback song and the station.
Preset Display	Select the desired preset background display.
 (custom)*1	Displays the background display image imported from the external storage device.
 (off)	Hides the background display.
[Illumination]*2	Select an illumination color from the color list or create a defined color.
Colored Keys	Select the desired preset color.
 (custom)	Displays the screen to customize the illumination color. To customize the defined color, touch  then touch  or  to adjust the brightness and the level of red, green and blue to create favorite color. To store the customized color in the memory, touch and hold [Memo], and the customized color will be available at the next illumination setting by touching . TIP You can also adjust the color tone by dragging the color bar.
 (rainbow)	Shifts gradually between the preset colors in sequence.
[Theme]*2	Select the theme color.
[Clock]	Select the style of the clock from the preset image.
Preset Images	Select the desired preset style for the clock.
 (off)	Hides the clock display.
[Home Custom Settings]	Customize the top menu screen of the following items. • Switch the top menu screen layout • Display/hide the artwork • Adjust the range of the favorite application/source area

*1 Refer to Still image source (page 41).

*2 You can preview the top menu screen or the AV operation screen by touching [Home] or [AV] respectively.



Audio settings

The menu items vary according to the source. Some of the menu items become unavailable when the volume is set to mute.

Menu Item	Description
[Graphic EQ] [Super Bass (S.Bass)] [Powerful] [Natural] [Vocal] [Flat] [Custom1] [Custom2]	Select or customize the equalizer curve. Select a curve that you want to use as the basis of customizing then touch the frequency that you want to adjust. TIPS • If you make adjustments when a curve [S.Bass (Super Bass)], [Powerful], [Natural], [Vocal], or [Flat] is selected, the equalizer curve settings will be changed to [Custom1] mandatorily. • If you make adjustments when the [Custom2] curve is selected for example, the [Custom2] curve will be updated. • [Custom1] and [Custom2] curves can be created common to all sources. • If you trail a finger across the bars of multiple equalizer bands, the equalizer curve settings will be set to the value of the touched point on each bar.
[Fader/Balance]	Touch or to adjust the front/rear speaker balance. Set [Front] and [Rear] to [0] when using a dual speaker system. Touch or to adjust the left/right speaker balance. TIP You can also set the value by dragging the point on the displayed table. NOTE Only the balance can be adjusted when [Network Mode] is selected as the speaker mode.
[Mute Level]	If an interruption caused by an audio signal occurs while Apple CarPlay or Android Auto is being used, select mute or attenuate the volume of the AV source and iPhone/smartphone application.
[ATT]	The volume becomes 10 dB lower than the current volume.
[Mute]	The volume becomes 0.
[Off]	The volume does not change.

Menu Item	Description
[Source Level Adjuster] [-4] to [+4]	Adjust the volume level of each source to prevent radical changes in volume when switching between sources other than FM. Touch ▲ or ▼ to adjust the source volume after comparing the FM tuner volume level with the level of the source. TIP If you directly touch the area where the cursor can be moved, the SLA (source level adjustment) setting will be changed to the value of the touched point. NOTES • Settings are based on the FM tuner volume level, which remains unchanged. • This function is not available when the FM tuner is selected as the AV source.
[Subwoofer] [On] [Off]	Select enable or disable rear subwoofer output from this product.
[Speaker Level] Listening Position*1*2 [Off] [Front Left] [Front Right] [Front] [All] Standard Mode*3 [Front Left] [Front Right] [Rear Left] [Rear Right] [Subwoofer] Network Mode*3 [High Left] [High Right] [Mid Left] [Mid Right] [Subwoofer] Speaker output level [-24] to [10]	Adjust the speaker output level of the listening position. 1 Touch ◀ or ▶ to select the listening position then select the output speaker. 2 Touch ◀ or ▶ to adjust the selected speaker output level. NOTE This function is available when [Subwoofer] is set to [On].
[Crossover]*4	Select a speaker unit (filter) to adjust the HPF or LPF cutoff frequency and the slope for each speaker unit (page 90).
[Subwoofer Settings]*4	Select the subwoofer phase (page 90).
[Listening Position]*1 [Off] [Front Left] [Front Right] [Front] [All]	Select a listening position that you want to make as the center of sound effects.

Menu Item	Description
[Time Alignment] [On] [Off] Listening Position*1*2 [Off] [Front Left] [Front Right] [Front] [All] Standard Mode*3*5 [Front Left] [Front Right] [Rear Left] [Rear Right] [Subwoofer] Network Mode*3*5 [High Left] [High Right] [Mid Left] [Mid Right] [Subwoofer] Distance [0] to [140]	Select or customize the time alignment settings to reflect the distance between the listener's position and each speaker. You need to measure the distance between the head of the listener and each speaker unit. 1 Touch  or  to select the listening position then select the alignment speaker. 2 Touch  or  to input the distance between the selected speaker and listening position. TIP If you touch [TA On], the time alignment is turned off mandatorily. NOTE This function is available only when the listening position setting is set to [Front Left] or [Front Right].
[Auto EQ] [On] [Off]	Set the auto-adjusted equalizer to suit the vehicle's acoustics. To use this function, the Auto EQ measurement must be done in advance (page 89).
[A-EQ&TA Measurement]	Measures and adjusts the vehicles acoustics, equalizer, and time alignment automatically to suit the vehicle interior (page 89).
[Save Settings]	Save to recall the following current sound settings by touching [OK]: slope, subwoofer phase, speaker level, Graphic EQ, HPF/LPF, listening position, crossover, time alignment. TIP When you touch [Cancel], return to the [Audio] setting screen.
[Load Settings] [Initial Settings] [Sound Setting] [Auto EQ&TA Setting]	Load the sound settings. NOTES [Sound Setting] is available only when you have already saved the sound settings (page 87). [Auto EQ&TA Setting] is available only when you have already performed Auto EQ measurement (page 88).
[BASS Boost] [0] to [6]	Adjust the bass boost level.
[Rear Speaker Output] [Rear] [Subwoofer]	Select the rear speaker output. NOTE This function is available when [Standard Mode] is selected as the speaker mode.
[Loudness] [Off] [Low] [Mid] [High]	Compensates for deficiencies in the low-frequency and high-frequency ranges at low volume.

Menu Item	Description
[Automatic Level Control]	Corrects automatically the audio level difference between the music files or the sources.
[Off]	Turns the auto level control setting off.
[Mode1]	Corrects a little the audio level difference between the music files or the sources (for the narrow dynamic range audio signal).
[Mode2]	Corrects widely the audio level difference between the music files or the sources (for the wide dynamic range audio signal).
[Sound Retriever] [Off] [Mode1] [Mode2]	Enhances compressed audio and restores rich sound automatically. TIP [Mode2] has a stronger effect than [Mode1].

- *1 [All] is not available when [Network Mode] is selected as the speaker mode.
- *2 If you change the listening position setting, the output levels of all the speakers will change in conjunction with the setting.
- *3 To use this function, the vehicle's acoustics must be measured in advance.
- *4 This function is not available when adjusting the High speaker.
- *5 This function is available only when the listening position setting is set to [Front Left] or [Front Right].

Adjusting the equalizer curve automatically (Auto EQ)

By measuring the vehicle's acoustics, the equalizer curve can be adjusted automatically to suit the vehicle interior.

WARNING

A loud tone (noise) may be emitted from the speakers when measuring the vehicle's acoustics. Never perform Auto EQ measurement while driving.

CAUTION

- Thoroughly check the conditions before performing Auto EQ as the speakers may be damaged if this is performed under the following conditions:
 - When the speakers are incorrectly connected. (For example, when a rear speaker is connected as a subwoofer output.)
 - When a speaker is connected to a power amp delivering output higher than the speaker's maximum input power capability.
- If a microphone for acoustical measurement (sold separately) is not placed in the appropriate location, the measurement tone may become loud and measurement may take a long time, resulting in battery drainage. Be sure to place the microphone in the specified location.

► Before operating the Auto EQ function

- Perform Auto EQ in a quiet place with the vehicle engine and air conditioning switched off. Also, cut the power of car phones or cellular phones in the vehicle, or remove them in advance. Surrounding sounds may prevent correct measurement of the vehicle's acoustics.
- Be sure to use the microphone for acoustical measurement (sold separately). Using other microphones may prevent measurement, or result in incorrect measurement of the vehicle's acoustics.
- To perform Auto EQ, the front speakers must be connected.
- When this product is connected to a power amp with input level control, Auto EQ may be impossible if the power amp's input level is set below the standard level.
- When this product is connected to a power amp with an LPF (low pass filter), turn the LPF off before performing Auto EQ. Also, set the cutoff frequency for the built-in LPF of an active subwoofer to the highest frequency.
- The distance has been calculated by a computer to provide optimum delay to ensure accurate results. Do not change this value.
 - The reflected sound within the vehicle is strong and delay occurs.
 - The LPF on active subwoofers or external amps delay the lower sounds.
- If an error occurs during measurement, check the following before measuring the vehicle's acoustics.
 - Front speakers (left/right)
 - Rear speakers (left/right)
 - Noise
 - Microphone for acoustical measurement (sold separately)
 - Low battery

► Performing Auto EQ



CAUTION

Do not turn off the engine while the measurement is in progress.

NOTES

- Auto EQ changes the audio settings as follows:
 - The fader/balance settings return to the center position (page 85).
- Previous settings for Auto EQ will be overwritten.

1 Stop the vehicle in a quiet place, close all doors, windows, and sun roof, and then turn the engine off.

If the engine is left running, engine noise may prevent correct Auto EQ.

NOTE

If driving restrictions are detected during measurement, the measurement is canceled.

2 Fix the microphone for acoustical measurement (sold separately) in the center of the headrest of the driver's seat, facing forward.

The Auto EQ may differ depending on where you place the microphone. If desired, place the microphone on the front passenger seat and perform Auto EQ.

- 3 Disconnect the iPhone or smartphone device.
 - 4 Turn on the ignition switch (ACC ON).
If the vehicle's air conditioner or heater is turned on, turn it off.
 - 5 Switch the AV source to [Source OFF] (page 29).
 - 6 Touch .
 - 7 Touch  then .
 - 8 Touch [A-EQ&TA Measurement].
 - 9 Connect the microphone for acoustical measurement (sold separately) with this product.
Plug the microphone into the AUX input jack on the back panel of this product.
- NOTE**
Use an extension cable (sold separately) if the cord of the microphone (sold separately) is not long enough.
- 10 Touch [Front Left] or [Front Right] to select the current listening position.
 - 11 Touch [Start].
A 10-second countdown starts.
- NOTE**
The Bluetooth connection is disconnected before the process starts.
- 12 Exit the vehicle and keep the doors closed until the countdown finishes.
When the countdown finishes, a measurement tone (noise) is emitted from the speakers and Auto EQ measurement begins.
 - 13 Wait until the measurement is completed.
When Auto EQ is completed, a message is displayed.
- NOTE**
The measurement time varies depending on the type of vehicle.
- TIP**
To stop the measurement, touch [Stop].
- 14 Store the microphone carefully in the glove compartment or another safe place.
If the microphone is subjected to direct sunlight for an extended period, high temperatures may cause distortion, color change, or malfunction.

Adjusting the cutoff frequency value

You can adjust the cutoff frequency value of each speaker.

The following speakers can be adjusted:

[Standard Mode]: Front, Rear, Subwoofer.

[Network Mode]: High, Mid, Subwoofer.

NOTE

[Subwoofer Settings] is available only when [Subwoofer] is [On].

- 1 Touch .
 - 2 Touch  then .
 - 3 Touch [Crossover] or [Subwoofer Settings].
 - 4 Touch  or  to switch the speaker.
 - 5 Drag the graph line to set the cutoff position.
 - 6 Drag the lowest point of the graph to set the cutoff slope.
- The following items can also be set.

	Switches the subwoofer phase between normal and reverse position.
LPF/HPF	Switches the LPF/HPF setting to [On] or [Off]. When it is turned off, the high-pass filter or low-pass filter of each speaker can also be turned on by touching the graph lines.



Video settings

The menu items vary according to the source.

[Time Per Photo Slide]

Menu Item	Description
[Time Per Photo Slide] [5sec] [10sec] [15sec] [Manual]	Select the interval of image file slideshows on this product.

[Video Signal Setting]

Menu Item	Description
[AV] [Auto] [PAL] [NTSC] [PAL-M] [PAL-N] [SECAM]	Select the suitable video signal setting when you connect this product to an AV equipment.
[AUX] [Auto] [PAL] [NTSC] [PAL-M] [PAL-N] [SECAM]	Select the suitable video signal setting when you connect this product to an AUX equipment.
[Camera] [Auto] [PAL] [NTSC] [PAL-M] [PAL-N] [SECAM]	Select the suitable video signal setting when you connect this product to a rear view camera.

Favorite menu

Registering your favorite menu items in shortcuts allows you to quickly jump to the registered menu screen by a simple touch on the [Favorites] screen.

NOTE

Up to 12 menu items can be registered in the favorite menu.

Creating a shortcut

- 1 Touch  then touch .
- 2 Touch the star icon of the menu item.
The star icon for the selected menu is filled in.

TIP

To cancel the registration, touch the star icon in the menu column again.

Selecting a shortcut

- 1 Touch  then touch .
- 2 Touch .
- 3 Touch the menu item.

Removing a shortcut

- 1 Touch  then touch .
- 2 Touch .
- 3 Touch and hold the favorite menu column.
The selected menu item is removed from the [Favorites] screen.

TIP

You can also remove a shortcut by touching and holding the registered menu column.

Other functions

Setting the time and date

- 1 Touch the current time on the screen.
- 2 Touch  or  to set the correct time and date.
You can operate the following items: Year, month, date, hour, minute.

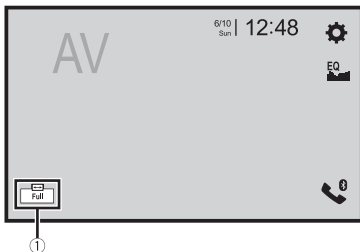
TIPS

- You can change the time display format to [12hour] or [24hour].
- You can change the order of date display format: Day-month, Month-day.

Changing the wide screen mode

You can set the screen mode for AV screen and image files.

- 1 Touch the screen display mode key.



①	Screen display mode key
---	-------------------------

- 2 Touch the desired mode.

[Full]	Displays images across the entire screen. NOTE Some images may not be displayed across the entire screen.
[Zoom]	Displays the images enlarging them vertically.
[Normal]	Displays images without changing the ratio.

[Trimming]	An image is displayed across the entire screen with the horizontal-to-vertical ratio left as is. If the screen ratio differs from the image, the image may be displayed partly cut off either at the top/bottom or sides. NOTE [Trimming] is for image files only.
------------	---

TIPS

- Different settings can be stored for each video source.
- When a video is viewed in wide screen mode that does not match its original aspect ratio, it may appear different.
- The video image will appear coarser when viewed in [Zoom] mode.

NOTES

- Image files can be set to either [Normal] or [Trimming] in wide screen mode.
- Depending on the software version of this unit, this function may vary.

Restoring this product to the default settings

You can restore settings or recorded content to the default settings from [Restore Settings] in the [System] menu (page 80).

Appendix

Troubleshooting

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact your dealer or the nearest authorized Pioneer service facility.

Common problems

A black screen is displayed, and operation is not possible using the touch panel keys.

- [Power OFF] mode is on.
 - Touch any button on this product to release the mode.

Problems with the AV screen

The screen is covered by a caution message and the video cannot be shown.

- The parking brake lead is not connected or the parking brake is not applied.
 - Connect the parking brake lead correctly, and apply the parking brake.
- The parking brake interlock is activated.
 - Park your vehicle in a safe place and apply the parking brake.

No video output from the connected equipment.

- The [AV Input] or [AUX Input] setting is incorrect.
 - Correct the settings.

The audio or video skips.

- This product is not firmly secured.
 - Secure this product firmly.

No sounds are produced. The volume level will not rise.

- Cables are not connected correctly.
 - Connect the cables correctly.

The icon  is displayed, and operation is impossible.

- The operation is not compatible with the video configuration.

Random playback in Music Browse mode is released in the USB storage device.

- Random playback in Music Browse mode is canceled after the ignition switch is turned off (ACC OFF).
 - Switch to Music Browse mode again and turn on random playback.

The picture is stretched, with an incorrect aspect ratio.

- The aspect setting is incorrect for the display.
 - Select the appropriate setting for that image.

iPod cannot be operated.

- The iPod is frozen.
 - Reconnect the iPod with the USB interface cable for iPod/iPhone.
 - Update the iPod software version.
- An error has occurred.
 - Reconnect the iPod with the USB interface cable for iPod/iPhone.
 - Park your vehicle in a safe place, and then turn off the ignition switch (ACC OFF). Subsequently, turn the ignition switch to on (ACC ON) again.
 - Update the iPod software version.
- Cables are not connected correctly.
 - Connect the cables correctly.

Sound from the iPod cannot be heard.

- The audio output direction may switch automatically when the Bluetooth and USB connections are used at the same time.
- Use the iPod to change the audio output direction.

No back camera image when the vehicle is in reverse.

- The back camera input setting on the receiver is set to Off.
 - Change the back camera setting to On in the settings menu. (Refer to the System Settings section of this manual to adjust.)
- The camera input may be loose or not connected.
 - Check the connection and make sure the male end of the camera is connected to the brown input on the back of the receiver. (Refer to the installation manual.)
- The reverse lead on the receiver may not be connected to the proper wire at the reverse lamp.
 - Check the connection and make sure that the violet/white lead of the receiver is connected to the lead whose voltage changes when the shift lever is put in reverse. (Refer to the installation manual.)

Black screen displayed when the vehicle is in reverse, with no camera installed.

- Back camera input is set to On.
 - Turn the setting to Off in the settings menu. (Refer to the System Settings section of this manual to adjust.)

Back image displayed when vehicle is not in reverse.

- The camera polarity is not set properly in the Camera settings menu.
 - Review System Settings section of this manual for steps to switch the camera

polarity. Park in a safe place, then while keeping your foot firmly on the brake, put the vehicle in reverse, access the System Settings menu, and change the camera polarity setting. Put vehicle back in park. (Refer to the System Settings section of this manual to adjust.)

Problems with the phone screen**Dialing is impossible because the touch panel keys for dialing are inactive.**

- Your phone is out of range for service.
 - Retry after re-entering the range for service.
- The connection between the cellular phone and this product cannot be established.
 - Perform the connection process.
- Of the two cellular phones connected to this product at the same time, if the first phone is dialing, ringing or a call is in progress, dialing cannot be performed on the second phone.
 - When the operation on the first of the two cellular phones is completed, use the switch devices key to switch to the second phone and then dial.

Problems with Application screen**A black screen is displayed.**

- While operating an application, the application was ended on the smartphone side.
 - Touch  to display the top menu screen.
- The smartphone OS may be awaiting screen operation.
 - Stop the vehicle in a safe place and check the screen on the smartphone.

The screen is displayed, but operation does not work at all.

- An error has occurred.
 - Park your vehicle in a safe place, and then turn off the ignition switch (ACC OFF). Subsequently, turn the ignition switch to on (ACC ON) again.
-

The smartphone was not charged.

- Charging stopped because the temperature of the smartphone rose due to prolonged use of the smartphone during charging.
 - Disconnect the smartphone from the cable, and wait until the smartphone cools down.
- More battery power was consumed than was gained from charging.
 - This problem may be resolved by stopping any unnecessary services on the smartphone.

Error messages

When problems occur with this product, an error message appears on the display. Refer to the table below to identify the problem, then take the suggested corrective action. If the error persists, record the error message and contact your dealer or your nearest Pioneer service center.

Common

AMP Error

- This product fails to operate or the speaker connection is incorrect; the protective circuit is activated.
 - Check the speaker connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or an authorized Pioneer Service Station for assistance.

Spotify

Skip limit reached.

- Skip limit reached.
 - Do not exceed the skip limit.
 - Spotify limits the total number of skips per hour.
-

Check USB

- The USB connector or USB cable has short-circuited.
 - Check that the USB connector or USB cable is not caught in something or damaged.
 - The connected USB storage device consumes more than maximum allowable current.
 - Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.
-

No Spotify

- The Spotify application is not installed in the connected device.
 - Install the Spotify application in your mobile device.
-

Update App

- The Spotify application is out of date.
 - Update to the latest Spotify application.
-

Login Please

- You are not logged in to the Spotify application.
 - Please log in to the Spotify application.
-

No Signal

- The connected device is out of area.
 - Connect the device to a network.
-

Check Antenna

- The antenna connection is incorrect.
 - Check the antenna connection. If the message fails to disappear even after the engine is switched off/on, contact your dealer or the nearest authorized Pioneer service center for assistance.

Check Tuner

- The SiriusXM Connect Vehicle Tuner connection is incorrect.
 - Check the tuner connection and battery voltage. If the message fails to disappear even after the engine is switched off/on, contact your dealer or the nearest authorized Pioneer service center for assistance.

No Signal

- The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal.
 - Verify that your vehicle is outdoors with a clear view of the southern sky.
 - Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle.
 - Move the SiriusXM antenna away from any obstructions.

No Content

- TuneScan™ is not available.
 - Perform the operation with another preset channel.

Channel Not Available

- The channel that you have requested is not a valid SiriusXM channel.
 - Visit www.siriusxm.com for more information about the SiriusXM channel lineup.

Subscription Updated Press Enter to Continue

- This product has detected a change in your SiriusXM subscription status.
 - Touch [Enter] to clear the message. In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca or call 1-877-438-9677 if you have questions about your subscription.

Channel Not Subscribed. Call SiriusXM to Subscribe.

- The channel that you have requested is not included in your SiriusXM subscription package.
 - Check the content of your SiriusXM subscription package. In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel. In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

Channel Locked Please Enter the Lock Code

- Locked by the radio Parental Control feature.
 - Release the channel lock.

Memory Full

- The memory has become full while playback was paused.
 - Resume playback.

Memory Nearly Full

- The memory has become nearly full while playback was paused.
 - Resume playback.

There are no qualified TuneMix music

- There are no qualified TuneMix channels in this band.

- Requires two or more qualified music channels to be stored as presets in the current band.

USB storage device

Error-02-9X/-DX

- Communication failed.
 - Turn the ignition switch OFF and back ON.
 - Disconnect the USB storage device.
 - Change to a different source. Then, return to the USB storage device.

Unplayable File

- There is no playable file in the USB storage device.
 - Check that the files in the USB storage device are compatible with this product.
- Security for the connected USB storage device is enabled.
 - Follow the USB storage device instructions to disable security.

Skipped

- The connected USB storage device contains DRM protected files.
 - The protected files are skipped.

Protect

- All the files on the connected USB storage device are embedded with DRM.
 - Replace the USB storage device.

Incompatible USB

- The connected USB storage device is not supported by this product.
 - Disconnect your device and replace it with a compatible USB storage device.

Check USB

- The USB connector or USB cable has short-circuited.

- Check that the USB connector or USB cable is not caught in something or damaged.

- The connected USB storage device consumes more than maximum allowable current.
 - Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.

HUB Error

- The connected USB hub is not supported by this product.
 - Directly connect the USB storage device to this product.

No Response

- This product cannot recognize the connected USB storage device.
 - Disconnect the device and replace it with another USB storage device.

USB was disconnected for device protection. Do not re-insert this USB memory into the unit. Please restart the unit.

- The USB connector or USB cable has short-circuited.
 - Check that the USB connector or USB cable is not caught in something or damaged.
- The connected USB storage device consumes more than maximum allowable current.
 - Disconnect the USB storage device and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect a compliant USB storage device.
- The USB interface cable for iPod/iPhone has short-circuited.
 - Confirm that the USB interface cable for iPod/iPhone or USB cable is not caught in something or damaged.

Your device is not authorized to play this DivX protected video.

- This product cannot play copy-protected DivX files.
- Select a file that can be played.

Audio Format not supported

- This type of file is not supported on this product.
- Select a file that can be played.

iPod

Error-02-6X/-9X/-DX

- iPod failure.
- Disconnect the cable from the iPod.
- Once the iPod's main menu is displayed, reconnect the iPod and reset it.

Error-02-67

- The iPod firmware version is old.
- Update the iPod version.

Bluetooth

Error-10

- The power failed for the Bluetooth module of this product.
- Turn the ignition switch to OFF and then to ON.

If the error message is still displayed after performing the above action, please contact your dealer or an authorized Pioneer Service Station.

Apple CarPlay

Attempting to connect to Apple CarPlay.

- Communication failed and the system is trying to connect.
- Wait for a while. Then, perform the actions below if the error message is still displayed.

- Restart the iPhone.
- Disconnect the cable from the iPhone, and then connect the iPhone again after a few seconds.
- Turn the ignition switch to OFF and then to ON.

If the error message is still displayed after performing the above action, please contact your dealer or an authorized Pioneer Service Station.

Android Auto

Android Auto has stopped.

- The connected device is not compatible with Android Auto.
- Check if the device is compatible with Android Auto.
- The startup of Android Auto failed for some reasons.
- Disconnect the cable from the smartphone, and then connect the smartphone again after a few seconds.
- Restart the smartphone.
- Turn the ignition switch to OFF and then to ON.

If the error message is still displayed after performing the above action, please contact your dealer or an authorized Pioneer Service Station.

- The time set in this product is not correct.
- Check if the time is correctly set.

Bluetooth pairing failed. Please pair your Android phone manually.

- The Bluetooth pairing failed for some reasons.
- Pair this product with the device manually.

To use Android Auto, please stop your car and check your Android phone.

- The default settings are displayed on the screen of the Android Auto compatible device or images are not

output from the Android Auto compatible device.

- Park your vehicle in a safe place, and follow the instructions displayed on the screen. If the error message is still displayed after performing on-screen instructions, please reconnect the device.

Detailed information for playable media

Compatibility

Common notes about the USB storage device

- Do not leave the USB storage device in any location with high temperatures.
- Depending on the kind of the USB storage device you use, this product may not recognize the storage device or files may not be played back properly.
- The text information of some audio and video files may not be correctly displayed.
- File extensions must be used properly.
- There may be a slight delay when starting playback of files on an USB storage device with complex folder hierarchies.
- Operations may vary depending on the kind of an USB storage device.
- It may not be possible to play some music files from USB because of file characteristics, file format, recorded application, playback environment, storage conditions, and so on.

USB storage device compatibility

- For details about USB storage device compatibility with this product, refer to Specifications (page 109).
- Protocol: bulk
- You cannot connect a USB storage device to this product via a USB hub.

- Partitioned USB storage device is not compatible with this product.
- Firmly secure the USB storage device when driving. Do not let the USB storage device fall onto the floor, where it may become jammed under the brake or gas pedal.
- There may be a slight delay when starting playback of audio files encoded with image data.
- Some USB storage devices connected to this product may generate noise on the radio.
- Do not connect anything other than the USB storage device.

The sequence of audio files on USB storage device.

For USB storage device, the sequence is different from that of USB storage device.

Handling guidelines and supplemental information

- Copyright protected files cannot be played back.

Common notes about DivX files

Notes specific to DivX files

- Only DivX files downloaded from DivX partner sites are guaranteed for proper operation. Unauthorized DivX files may not operate properly.
- This product corresponds to a DivX file display of up to 1 590 minutes 43 seconds. Search operations beyond this time limit are prohibited.
- For details on the DivX video versions that can be played on this product, refer to Specifications (page 109).
- For more details about DivX, visit the following site: <https://www.divx.com/>

DivX subtitle files

- Srt format subtitle files with the extension ".srt" can be used.
- Only one subtitle file can be used for each DivX file. Multiple subtitle files cannot be associated.

- Subtitle files that are named with the same character string as the DivX file before the extension are associated with the DivX file. The character strings before the extension must be exactly the same. However, if there is only one DivX file and one subtitle file in a single folder, the files are associated even if the file names are not the same.
- The subtitle file must be stored in the same folder as the DivX file.
- Up to 255 subtitle files may be used. Any more subtitle files will not be recognized.
- Up to 64 characters can be used for the name of the subtitle file, including the extension. If more than 64 characters are used for the file name, the subtitle file may not be recognized.
- The character code for the subtitle file should comply with ISO-8859-1. Using characters other than ISO-8859-1 may cause the characters to be displayed incorrectly.
- The subtitles may not be displayed correctly if the displayed characters in the subtitle file include control code.
- For materials that use a high transfer rate, the subtitles and video may not be completely synchronized.
- If multiple subtitles are programmed to display within a very short time frame, such as 0.1 seconds, the subtitles may not be displayed at the correct time.

Media compatibility chart

General

- Maximum playback time of audio file stored on an USB storage device: 7.5 h (450 minutes)

USB storage device

CODEC FORMAT	MP3, WMA, WAV, AAC, FLAC, AVI, MPEG-PS, MP4, 3GP, MKV, MOV, ASF, FLV, M4V, MPEG-TS
--------------	--

MP3 compatibility

- Ver. 2.x of ID3 tag is prioritized when both Ver. 1.x and Ver. 2.x exist.
- This product is not compatible with the following: MP3i (MP3 interactive), mp3 PRO, m3u playlist

SAMPLING FREQUENCY	8 kHz to 48 kHz
TRANSMISSION RATE	CBR (8 kbps to 320 kbps)/VBR
ID3 TAG	ver.1.0/1.1/2.2/2.3/2.4

WMA compatibility

- This product is not compatible with the following: Windows Media™ Audio 9.2 Professional, Lossless, Voice

SAMPLING FREQUENCY	32 kHz to 48 kHz
TRANSMISSION RATE	CBR (8 kbps to 320 kbps)/VBR

WAV compatibility

- The sampling frequency shown in the display may be rounded.

SAMPLING FREQUENCY	16 kHz to 48 kHz
QUANTIZATION BIT RATE	8 bit, 16 bit

AAC compatibility

- This product plays back AAC files encoded by iTunes.

SAMPLING FREQUENCY	8 kHz to 48 kHz
TRANSMISSION RATE	CBR (16 kbps to 320 kbps)

FLAC compatibility

SAMPLING FREQUENCY	8 kHz to 192 kHz
QUANTIZATION BIT RATE	8 bit, 16 bit, 24 bit

DivX compatibility

- This product is not compatible with the following: DivX Ultra format, DivX files without video data, DivX files encoded with LPCM (Linear PCM) audio codec
- If a file contains more than 4 GB, playback stops before the end.
- Some special operations may be prohibited because of the composition of DivX files.

USB storage device

EXTENSION	.divx, .avi
MAX RESOLUTION	720 × 576

Video files compatibility

- Files may not be played back properly depending on the environment in which the file was created or on the contents of the file.
- This product is not compatible with packet write data transfer.
- This product can recognize up to 32 characters, beginning with the first character, including extension for the file and folder name. Depending on the display area, this product may try to display them with a reduced font size. However, the maximum number of the characters that you can display varies according to the width of each character, and of the display area.
- Folder selection sequence or other operations may be altered, depending on the encoding or writing software.
- Regardless of the length of blank section between the songs of original recording, compressed audio files play with a short pause between songs.

- Files may not be able to be played back depending on the bit rate.
- The maximum resolution depends on the compatible video codec.

.avi

Compatible video codec	MPEG4, DivX, H.264, H.263
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mpg/.mpeg

Compatible video codec	MPEG2
Maximum resolution	720 × 576
Maximum frame rate	30 fps

.divx

Compatible video codec	DivX
Maximum resolution	720 × 576
Maximum frame rate	30 fps

.mp4

Compatible video codec	MPEG4, H.264, H.263
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.3gp

Compatible video codec	H.263
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mkv

Compatible video codec	MPEG4, H.264, VC-1
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.mov

Compatible video codec	MPEG4, H.264, H.263
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.flv

Compatible video codec	H.264
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.wmv/.asf

Compatible video codec	VC-1
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.m4v

Compatible video codec	MPEG4, H.264, H.263
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

.ts/.m2ts/.mts

Compatible video codec	MPEG4, H.264, MPEG2
Maximum resolution	1 920 × 1 080
Maximum frame rate	30 fps

Example of a hierarchy**NOTE**

This product assigns folder numbers. The user cannot assign folder numbers.

Bluetooth

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WMA

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FLAC

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Foundation

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DivX



DivX® Home Theater Certified devices have been tested for high-quality DivX Home Theater video playback (including .avi, .divx). When you see the DivX logo, you know you have the freedom to play your favorite videos.

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This DivX Certified® device can play DivX® Home Theater video files up to 576p (including .avi, .divx).

Download free software at www.divx.com to create, play and cast digital videos.

AAC

AAC is short for Advanced Audio Coding and refers to an audio compression technology standard used with MPEG-2 and MPEG-4. Several applications can be used to encode AAC files, but file formats and extensions differ depending on the application which is used to encode. This unit plays back AAC files encoded by iTunes.

WebLink

WebLink is a trademark of Abalta Technologies, Inc.

Google, Google Play, Android

Google, Google Play and Android are trademarks of Google LLC.

Android Auto

androidauto

Detailed information regarding connected iPod devices

- Pioneer accepts no responsibility for data lost from an iPod, even if that data is lost while using this product. Please back up your iPod data regularly.
- Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.
- Do not leave the iPod in any location with high temperatures.
- Firmly secure the iPod when driving. Do not let the iPod fall onto the floor, where it may become jammed under the brake or gas pedal.
- For details, refer to the iPod manuals.

iPhone, iPod and Lightning



Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.

iPhone, iPod, iPod nano, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

App Store

App Store is a service mark of Apple Inc.

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iOS is a trademark on which Cisco holds the trademark right in the US and certain other countries.

iTunes

iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

Apple Music

Apple Music is a trademark of Apple Inc., registered in the U.S. and other countries.

Apple CarPlay



Apple CarPlay is a trademark of Apple Inc. Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

Siri

Works with Siri through the microphone.

Compatible iPod/iPhone models

- iPhone 7
- iPhone 7 Plus
- iPhone SE
- iPhone 6s
- iPhone 6s Plus
- iPhone 6
- iPhone 6 Plus
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPhone 4s
- iPod touch (6th generation)
- iPod touch (5th generation)
- iPod nano (7th generation)

Depending on the iPod/iPhone models, it may not be compatible with some AV sources. For details about iPod/iPhone compatibility with this product, refer to the information on our website.

Using app-based connected content



Important

Requirements to access app-based connected content services using this product:

- Latest version of the Pioneer compatible connected content application(s) for the smartphone, available from the service provider, downloaded to your smartphone.
- A current account with the content service provider.
- Smartphone Data Plan.
Note: if the Data Plan for your smartphone does not provide for unlimited data usage, additional charges from your carrier may apply for accessing app-based connected content via 3G, EDGE and/or LTE (4G) networks.

- Connection to the Internet via 3G, EDGE, LTE (4G) or Wi-Fi network.
- Optional Pioneer adapter cable connecting your iPhone to this product.

Limitations:

- Access to app-based connected content will depend on the availability of cellular and/or Wi-Fi network coverage for the purpose of allowing your smartphone to connect to the Internet.
- Service availability may be geographically limited to the region. Consult the connected content service provider for additional information.
- Ability of this product to access connected content is subject to change without notice and could be affected by any of the following: compatibility issues with future firmware versions of smartphone; compatibility issues with future versions of the connected content application(s) for the smartphone; changes to or discontinuation of the connected Content application(s) or service by its provider.
- Pioneer is not liable for any issues that may arise from incorrect or flawed app-based content.
- The content and functionality of the supported applications are the responsibility of the App providers.
- In WebLink, Apple CarPlay and Android Auto, functionality through the product is limited while driving, with available functions determined by the App providers.
- Availability of WebLink, Apple CarPlay and Android Auto functionalities is determined by the App provider, and not determined by Pioneer.
- WebLink, Apple CarPlay and Android Auto allow access to applications other than those listed (subject to limitations while driving), but the extent to which

content can be used is determined by the App providers.

Spotify®



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Notice regarding video viewing

Remember that use of this system for commercial or public viewing purposes may constitute an infringement on the author's rights as protected by the Copyright Law.

Using the LCD screen correctly

Handling the LCD screen

- When the LCD screen is subjected to direct sunlight for a long period of time, it will become very hot, resulting in possible damage to the LCD screen. When not using this product, avoid exposing it to direct sunlight as much as possible.
- The LCD screen should be used within the temperature ranges shown in Specifications on page 109.

- Do not use the LCD screen at temperatures higher or lower than the operating temperature range, because the LCD screen may not operate normally and could be damaged.
- The LCD screen is exposed in order to increase its visibility within the vehicle. Please do not press strongly on it as this may damage it.
- Do not push the LCD screen with excessive force as this may scratch it.
- Never touch the LCD screen with anything besides your finger when operating the touch panel functions. The LCD screen can scratch easily.

Liquid crystal display (LCD) screen

- If the LCD screen is near the vent of an air conditioner, make sure that air from the air conditioner is not blowing on it. Heat from the heater may break the LCD screen, and cool air from the cooler may cause moisture to form inside this product, resulting in possible damage.
- Small black dots or white dots (bright dots) may appear on the LCD screen. These are due to the characteristics of the LCD screen and do not indicate a malfunction.
- The LCD screen will be difficult to see if it is exposed to direct sunlight.
- When using a cellular phone, keep the antenna of the cellular phone away from the LCD screen to prevent disruption of the video in the form of disturbances such as spots or colored stripes.

Maintaining the LCD screen

- When removing dust from or cleaning the LCD screen, first turn this product off and then wipe the screen with a soft dry cloth.

- When wiping the LCD screen, take care not to scratch the surface. Do not use harsh or abrasive chemical cleaners.

LED (light-emitting diode) backlight

A light emitting diode is used inside the display to illuminate the LCD screen.

- At low temperatures, using the LED backlight may increase image lag and degrade the image quality because of the characteristics of the LCD screen. Image quality will improve with an increase in temperature.
- The product lifetime of the LED backlight is more than 10 000 hours. However, it may decrease if used in high temperatures.
- If the LED backlight reaches the end of its product lifetime, the screen will become dimmer and the image will no longer be visible. In that case, please consult your dealer or the nearest authorized Pioneer Service Station.

Specifications

General

Rated power source:

14.4 V DC (10.8 V to 15.1 V allowable)

Grounding system:

Negative type

Maximum current consumption:

10.0 A

Dimensions (W × H × D):

Chassis (D):

178 mm × 100 mm × 164 mm (7 in. × 3-7/8 in. × 6-1/2 in.)

Nose:

171 mm × 97 mm × 3 mm (6-3/4 in. × 3-7/8 in. × 1/8 in.)

Weight:

1.1 kg (2.4 lbs)

Display

Screen size/aspect ratio:

6.78 inch wide/16:9 (effective display area: 152.4 mm × 80.208 mm) (6 in. × 3-1/8 in.)

Pixels:

1 152 000 (2 400 × 480)

Display method:

TFT Active matrix driving

Color system:

PAL/NTSC/PAL-M/PAL-N/SECAM compatible

Temperature range:

-10 °C to +60 °C (+14 °F to +140 °F)

Audio

Maximum power output:

- 50 W × 4

- 50 W × 2 ch/4 Ω + 70 W × 1 ch/2 Ω (for subwoofer)

Continuous power output:

22 W × 4 (50 Hz to 15 kHz, 5 %THD, 4 Ω LOAD, Both Channels Driven)

Load impedance:

4 Ω (4 Ω to 8 Ω [2 Ω for 1 ch] allowable)

Preout output level (max): 4.0 V

Equalizer (13-Band Graphic Equalizer):

Frequency:

50 Hz/80 Hz/125 Hz/200 Hz/315 Hz/

500 Hz/800 Hz/1.25 kHz/2 kHz/3.15

kHz/5 kHz/8 kHz/12.5 kHz

Gain: ±12 dB (2 dB/step)

<Standard Mode>

HPF:

Frequency:

25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80

Hz/100 Hz/125 Hz/160 Hz/200 Hz/250

Hz

Slope:

-6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF

Subwoofer/LPF:

Frequency:

25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80

Hz/100 Hz/125 Hz/160 Hz/200 Hz/250

Hz

Slope:

-6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, -30 dB/oct, -36 dB/oct, OFF

Phase: Normal/Reverse**Time alignment:**

0 to 140 step (1 inch/step)

Bass boost:

Gain: +12 dB to 0 dB (2 dB/step)

Speaker level:

+10 dB to -24 dB (1 dB/step)

<Network Mode>

HPF (High):**Frequency:**

1.25 kHz/1.6 kHz/2 kHz/2.5 kHz/3.15 kHz/4 kHz/5 kHz/6.3 kHz/8 kHz/10 kHz/12.5 kHz

Slope:

-6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct

Phase: Normal/Reverse**HPF (Mid):****Frequency:**

25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz

Slope:

-6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF

LPF (Mid):**Frequency:**

1.25 kHz/1.6 kHz/2 kHz/2.5 kHz/3.15 kHz/4 kHz/5 kHz/6.3 kHz/8 kHz/10 kHz/12.5 kHz

Slope:

-6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, OFF

HPF/LPF (Mid):**Phase:** Normal/Reverse**Subwoofer:****Frequency:**

25 Hz/31.5 Hz/40 Hz/50 Hz/63 Hz/80 Hz/100 Hz/125 Hz/160 Hz/200 Hz/250 Hz

Slope:

-6 dB/oct, -12 dB/oct, -18 dB/oct, -24 dB/oct, -30 dB/oct, -36 dB/oct, OFF

Phase: Normal/Reverse**Time alignment:**

0 to 140 step (1 inch/step)

Bass boost:

Gain: +12 dB to 0 dB (2 dB/step)

Speaker level:

+10 dB to -24 dB (1 dB/step)

USB**USB standard spec:**

USB 1.1, USB 2.0 full speed, USB 2.0 high speed

Max current supply: 1.5 A**USB Class:**

MSC (Mass Storage Class), MTP (Media Transfer Protocol)

File system: FAT16, FAT32, NTFS

<USB audio>

MP3 decoding format:

MPEG-1 & 2 & 2.5 Audio Layer 3

WMA decoding format:

Ver. 7, 8, 9, 9.1, 9.2 (2 ch audio)

AAC decoding format:

MPEG-4 AAC (iTunes encoded only) (Ver. 12.5 and earlier)

FLAC decoding format:

Ver. 1.3.0 (Free Lossless Audio Codec)

WAV signal format (MSC Mode only):

Linear PCM

Sampling frequency:

Linear PCM:
16 kHz/22.05 kHz/24 kHz/32 kHz/44.1 kHz/48 kHz

<USB image>

JPEG decoding format (MSC Mode only):

.jpeg, .jpg, .jpe

Pixel Sampling: 4:2:2, 4:2:0

Decode Size:

MAX: 8 192 (H) × 7 680 (W)

MIN: 32 (H) × 32 (W)

PNG decoding format (MSC Mode only):

.png

Decode Size:

MAX: 720 (H) × 576 (W)

MIN: 32 (H) × 32 (W)

BMP decoding format (MSC Mode only):

.bmp

Decode Size:

MAX: 1 920 (H) × 936 (W)

MIN: 32 (H) × 32 (W)

<USB video>

H.264 video decoding format:

Base Line Profile, Main Profile, High Profile

H.263 video decoding format:

Base Line Profile 0/3

VC-1 video decoding format:

Simple Profile, Main Profile, Advanced Profile

DivX:

Home Theater

MPEG4 video decoding format:

Simple Profile, Advanced Simple Profile

MPEG2 video decoding format:

Main Profile

Bluetooth

Version:

Bluetooth 4.1 certified

Output power:

+4 dBm Max. (Power class 2)

Frequency band(s):

2 400 MHz to 2 483.5 MHz

FM tuner

Frequency range:

87.9 MHz to 107.9 MHz

Usable sensitivity:

12 dBf (1.1 μ V/75 Ω , mono, S/N: 30 dB)

Signal-to-noise ratio:

80 dB (digital broadcasting) (IHF-A network) (DMH-2660NEX)

72 dB (analog broadcasting) (IHF-A network)

AM tuner

Frequency range:

530 kHz to 1 710 kHz

Usable sensitivity:

28 μ V (S/N: 20 dB)

Signal-to-noise ratio:

80 dB (digital broadcasting) (IHF-A network) (DMH-2660NEX)

62 dB (analog broadcasting) (IHF-A network)

CTA2006 Specifications



Power output:

14 W RMS × 4 Channels (4 Ω and $\leq$ 1 % THD+N)

S/N ratio:

91 dBA (reference: 1 W into 4 Ω)

NOTE

Specifications and design are subject to possible modifications without notice due to improvements.

Register your product at

<https://www.pioneerelectronics.com>

in Canada **<https://www.pioneerelectronics.ca>**

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INSTALLATION INSTRUCTIONS ASWC-1

ASWC-1

Axxess Steering Wheel Control Interface Installation Manual

US. PAT. NOS. 8014920 and 8214105

INTERFACE FEATURES

- One Interface does it all - No additional interfaces needed
- Designed to be compatible with all major radio brands
- Auto detects vehicle type, radio connection, and presets controls
- Ability to dual assign steering wheel control buttons
- Can be manually programmed for most vehicles
- Memory retains settings even after battery disconnection or interface removal
- All connections done at the radio location
- Micro "B" USB updatable

INTERFACE COMPONENTS

- ASWC-1 Interface • 12-pin harness with male 3.5mm connector
- Female 3.5mm connector with Brown and Brown/White wires

TOOLS REQUIRED

- Cutting tool • Crimping tool • Tape

REV. 10/12/2017 ASWC-INST10

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metraonline.com

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Caution: Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.

Preface

What you need to know before you begin

- 1) Know the correct year, make, and model of your vehicle.
- 2) Ensure the steering wheel controls work before removing the factory radio, and know what the **Volume Up** button is. The **Volume Up** button is used for programming, so knowing this before removing the radio is crucial.

Note: *Steering wheel controls must be the ones that came with the vehicle when purchased. We do not support custom work, i.e. adding a new steering wheel with added/new buttons.*

- 3) Go to the Axxess website (axxessinterfaces.com) and click on the link entitled “ASWC-1 Vehicle Instructions”, which is located on the right side of the screen in the middle. Once you put your vehicle information in, click the “Submit” button. This will take you to another page, where you will then click on the link under the word “Documents”. This will provide the vehicle specific instructions for your vehicle. Print this document so you have it with you in the vehicle during the install as it is the best, and most recent source of information.
- 4) Be sure that the radio you are installing is compatible with the ASWC-1. Additionally, refer to the Radio Legend (p. 13) and your radio’s owners manual.
- 5) Update the ASWC-1 to the latest software. **Note:** *To update go to axxessinterfaces.com and download the WebXXpress program.*

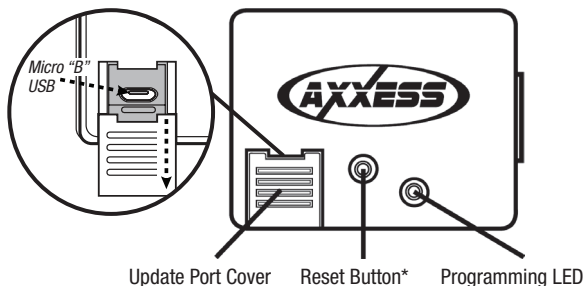
Attention: *Even though we have done extensive research and testing to verify that the steering wheel control wires we list are correct. It is your responsibility to verify the steering wheel control wires we list are correct with a multimeter. If you find an error, please notify our Axxess Tech department at 1-800-253-TECH. **Please be in the vehicle, parked, along with access to the interface and vehicle wiring when you call.***

Overview

Introduction to the ASWC-1 Interface and Wiring Harness

On the top of the ASWC-1 interface there are three points of interest:

- 1) **Programming LED**
- 2) **Reset Button**
- 3) **Update Port Cover** (slide to open)

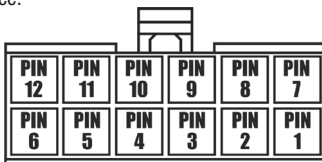


***Note:** The Reset button is recessed. An item, such as a partially unfolded paper clip, is needed to press the button.

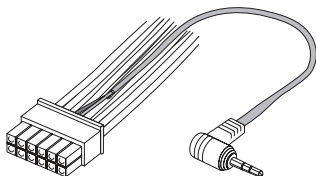


Overview

Below are the wire colors for the ASWC-1. Please visit the Axxess website at www.axxessinterfaces.com for detailed information on your specific vehicle and for what color wire(s) to use with the ASWC-1 interface.

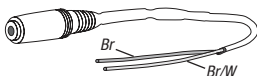


Pin-1	Pink	Pin-7	Blue/Pink
Pin-2	White/Green	Pin-8	Black/Green
Pin-3	Yellow/Green	Pin-9	Red (<i>tip of 3.5mm connector</i>)
Pin-4	Green/Orange	Pin-10	White (<i>ring of 3.5mm connector</i>)
Pin-5	Gray/Red	Pin-11	Gray/Blue
Pin-6	Black	Pin-12	Red



Shown above: 12-pin harness with male 3.5mm connector.

Shown below: Female 3.5mm connector with Brown (Br) and Brown/White (Br/W) wires.





ASWC-1 Installation

Connections to be made

Once you have collected or printed out the “[ASWC-1 Vehicle Instructions](#)” for your particular vehicle, from www.axxessinterfaces.com, you’re ready to install the ASWC-1.

Note: *If wiring is not available on our website for your vehicle, you will need to obtain this yourself. Please check first with Axxess Tech Support department at 1-800-253-TECH, as we may have this information.*

Into vehicle:

- 1) Connect the **Black** wire of the ASWC-1 to the ground. You may use the same grounding point as the aftermarket radio; *but it is highly recommended to ground the ASWC-1 to the chassis, of the vehicle, by itself.*
- 2) With the key in the off position, connect the **Red** wire of the ASWC-1 to the 12-volt accessory wire.
- 3) Locate the correct steering wheel control wire(s) in the vehicle’s harness, as described in the “[ASWC-1 Vehicle Instructions](#)”. Connect these wires to the ASWC-1.

Note: *Metra recommends that the wires are soldered for the best and most secure connection. Tapping style connectors are not recommended due to a higher chance of a intermittent connection or change in resistance values (which will cause the ASWC-1 to fail to program).*

Into radio:

- 1) For the radios listed below, plug the included female 3.5mm adapter (with the **Brown** and **Brown/White** wires) into the male 3.5mm connector of the ASWC-1 harness.
 - A. **For Eclipse radios:** Connect the Eclipse steering wheel control wires (normally **Brown** and **Brown/Black**) to the **Brown** and **Brown/White** wires of the ASWC-1. The **Brown** of the ASWC-1 goes to the **Brown/Black** of the Eclipse and **Brown/White** of the ASWC-1 goes to the **Brown** of the Eclipse.

ASWC-1 Installation

Connections to be made

- B. For Metra OE radios:** Connect the steering wheel control Key 1 wire (**Gray**) to the **Brown** wire of the ASWC-1. Isolate and tape the **Brown/White** wire, it will not be used.
- C. For Kenwood, or select JVC's with a Blue/Yellow steering wheel control wire:** Connect the Kenwood/JVC steering wheel control wire to the **Brown** wire of the ASWC-1. Isolate and tape the **Brown/White** wire, it will not be used.

***Note:** Some of the newer Kenwood radios will auto detect as a JVC. If this is the case, manually set the radio type, refer to the Changing Radio Type section (pp. 12-13).*

- D. For XITE radios:** Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire of the ASWC-1. Isolate and tape the **Brown/White** wire, it will not be used.
- 2) **For Parrot Asteroid Smart or Tablets:** Connect the 3.5mm jack of the ASWC-1 into the female 3.5mm jack of the AX-SWC-PARROT (sold separately). Then plug the 4-pin male harness into the corresponding steering wheel control female harness in the radio.
- Note:** AX-SWC-PARROT is required (sold separately) and the radio must be updated to rev. 2.1.4 or higher. Additionally, the ASWC-1 must be updated to the most recent software available.*
- 3) **For all other radios:** Plug in the male 3.5mm connector of the ASWC-1 into the back of the aftermarket radio, designated for an external steering wheel control interface. Please refer to the aftermarket radios manual if in doubt where the 3.5mm connector of the ASWC-1 goes into.

ASWC-1 Installation Programming

The ASWC-1 can be programmed two different ways. It can auto program itself through Auto Detect Mode, or it can be manually programmed (pp. 19-21). The following, which is recommended, is for auto programming.

Auto Detect Mode: Overview

The ASWC-1 has the ability to auto detect select vehicles and what aftermarket radio it is connected to. The “ASWC-1 Vehicle Instructions”, found at www.axxessinterfaces.com, will indicate if your vehicle will auto detect and what action, if any, is required for this process to take place.

For the auto detect feature to work there are (3) possible actions that must be taken. Note, only one action will be required depending on the vehicle:

1. Turn the ignition on and no other action is required.

--- Or ---

2. Turn the ignition on, press and hold the **Volume Up** button on the steering wheel.

--- Or ---

3. Turn the ignition on, and then tap the **Volume Up** button repeatedly on the steering wheel.

Auto Detect Mode: Steps

Note: Please read all Auto Detect Mode steps before beginning.

- 1) Complete connections to the vehicle and the aftermarket radio.
- 2) Turn the ignition on, the LED will start rapidly flashing **Red**; which means the ASWC-1 is looking for the vehicle and the radio.

Note: If the LED did not start flashing **Red** rapidly press the reset button for 3 seconds and then proceed to Step 3.

- 3) Perform action required for your particular vehicle, as noted in the “ASWC-1 Vehicle Instructions”, download from Axxessinterfaces.com.

ASWC-1 Installation Programming

- 4) After a few seconds the LED should stop flashing rapidly and go out for approximately 2 seconds. At this point do not press any buttons.
- 5) After the approximate 2 seconds there will be a series of 7 **Green** flashes, some short, and some long. The long flashes represent the wires that are recognized by the ASWC-1.

Tip: *Knowing this will help if you need to troubleshoot; refer to p. 22, for the appropriate LED Feedback section legend.*

- 6) The LED will pause for another 2 seconds, and then flash **Red** up to 15 times depending on what radio is connected to the ASWC-1.

Tip: *Knowing this will help if you need to troubleshoot; refer to p. 23, for the appropriate LED Feedback section legend.*

- 7) This is the end of the auto detection stage. If the ASWC-1 detected the vehicle and the radio successfully the LED will light up solid.
- 8) For vehicles with OE Bluetooth buttons, press and hold the **Hang up** or **Pick up** button on the steering wheel after the LED on the ASWC-1 goes solid. If the OE Bluetooth buttons are able to be used the LED will go out after 3 seconds. Your OE Bluetooth buttons are now programmed to your aftermarket radio.

Note: *The aftermarket radio must have Bluetooth capability and must be able to accept these commands.*

- 9) Make sure the steering wheel control buttons function correctly in the vehicle and enjoy.

Tip: *If the ASWC-1 did not go to a solid LED, press the **Reset** button for 3 seconds, release, and then start from Step 3. If the LED still doesn't go to a solid LED refer to the LED Feedback section (p. 22). This will help you to determine if the ASWC-1 is detecting your vehicle. If not, refer to the instructions starting on p. 6, and make sure all the instructions were followed as stated. If you have done this and the ASWC-1 is still not going to a solid LED please refer to the Troubleshooting section (pp. 16-18).*

ASWC-1 Installation

Remapping the SWC buttons

Let's say you have ASWC-1 programmed to your radio and you want to change the button assignment for the steering wheel controls. For instance, you would like **Seek Up** to be **Mute**. Follow the steps below to remap the steering wheel control buttons:

- 1) Make sure the ASWC-1 is visible, so you can see the LED flashes to confirm button recognition.
Tip: Turning off the radio is recommended.
- 2) Within the first 20 seconds of turning the ignition on, press and hold the **Volume Up** button on the steering wheel until the LED goes solid.
- 3) Release the **Volume Up** button and the LED will go out; **Volume Up** has now been programmed.
- 4) Follow the list in the Button Assignment Legend (p. 11), to reference the order in which the steering wheel control buttons need to be programmed.

Note: *If the next function on the list is not on the steering wheel; press the **Volume Up** button for 1 second, until the LED comes on, and then release the button. This will tell the ASWC-1 that the function is not available and it will move onto the next function.*

- 5) To complete the remapping process, press and hold the **Volume Up** button on the steering wheel until the LED on the ASWC-1 goes out.



A5WC-1 Installation

Remapping the SWC buttons

Button Assignment Legend

- | | |
|-------------------|-------------------------|
| 1. Volume Up | 8. Preset Down |
| 2. Volume Down | 9. Power |
| 3. Seek Up/Next | 10. Band |
| 4. Seek Down/Prev | 11. Play/Enter |
| 5. Source/Mode | 12. PTT (Push to Talk)* |
| 6. Mute | 13. On Hook |
| 7. Preset Up | 14. Off Hook |

**Only the following Pioneer models have the capability of retaining this feature: AVIC-Z110BT, AVIC-Z120BT, AVIC-Z130BT, AVIC-Z140BT, AVIC-X920BT, AVIC-X930BT, AVIC-X940BT.*

Note: *Not all radios will have all of these commands. Please refer to the radio owner's manual or contact the radio vendor directly for specific commands recognized by that particular radio.*



ASWC-1 Installation

Changing Radio Type

- 1) After 3 seconds of turning the key on, press and hold the **Volume Down** button on the steering wheel until the LED on the ASWC-1 goes solid.
- 2) Release the **Volume Down** button; the LED will go off indicating we are now in Changing Radio Type mode.
- 3) Refer to the Radio Legend (p. 13) to know which radio number you would like to have programmed.
- 4) Press and hold the **Volume Up** button until the LED goes solid, then release. Repeat this step for the desired radio number you have selected.
- 5) Once the desired radio number has been selected, press and hold the **Volume Down** button, on the steering wheel, until the LED goes solid. The LED will remain on for about 3 seconds while it stores the new radio information.
- 6) Once the LED goes off the Changing Radio Type mode will end. You can now test the steering control wheel controls.

Note: *If at any time the user fails to press any button for a period longer than 10 seconds this process will abort.*



ASWC-1 Installation

Changing Radio Type

Radio Legend

- | | |
|-----------------------|----------------------|
| 1. Eclipse (Type 1) | 9. Valor |
| 2. Kenwood | 10. Clarion (Type 2) |
| 3. Clarion (Type 1) | 11. Metra OE |
| 4. Sony and Dual | 12. Eclipse (Type 2) |
| 5. JVC | 13. LG |
| 6. Pioneer and Jensen | 14. Parrot* |
| 7. Alpine | 15. XITE |
| 8. Visteon | |

** AX-SWC-PARROT is required (sold separately) and the radio must be updated to rev. 2.1.4 or higher. Additionally, the ASWC-1 must be updated to the most recent firmware available.*

Note: *If you have a Clarion radio and the ASWC-1 did not work try the other Clarion radio type, same for the Eclipse.*



A5WC-1 Installation

Dual Assignment Instructions

Nota: ***Seek Up*** and ***Seek Down*** are already set to ***Preset Up*** and ***Preset Down*** for a long button press.

- 1) Turn on the ignition but do not start the vehicle.
- 2) Press and hold down the steering wheel button, that you want to assign a long press function, for about 10 seconds until the LED rapidly flashes green. At this point release the button and the LED will go solid green.
- 3) Press and release the **Volume Up** button the number of times corresponding to the new button number selected (refer to the chart on p. 15). The green LED will blink rapidly when the **Volume Up** is pressed and back to solid green when released. Then go to the next step when the **Volume Up** button has been pressed the desired number of times.

Caution: *If more than 10 seconds elapses between a **Volume Up** button press this procedure will abort, and the LED will go off.*

- 4) To store the long press button in memory, press the button that you assigned a long press button (the button held down in Step 1). The LED will now go off indicating it has been stored.

Note: *These steps must be repeated for each button you would like to assign dual purpose action to.*

To reset a button, back to its original use, repeat Step 1. Then press the **Volume Down** button. The LED will go off and the long press mapping for the button will be erased.



A5WC-1 Installation Dual Assignment Instructions

Dual Assignment Legend

Button Number	New Button Action
1	Not allowed
2	Not allowed
3	Seek Up/Next
4	Seek Down/Prev
5	Mode/Source
6	Mute
7	Preset Up
8	Preset Down
9	Power
10	Band
11	Play/Enter
12	PTT
13	On Hook
14	Off Hook
15	Fan Up
16	Fan Down
17	Temp Up
18	Temp Down

ASWC-1 Troubleshooting

Auto Detect Mode

If the auto detect feature was tried and at the end the LED did not go solid, but instead continually flashes; this means that the ASWC-1 did not detect the vehicle. Follow these steps to determine what may have happened:

- 1) Verify that you have a 12-volt DC on the **Red** accessory wire of the ASWC-1, using a multimeter.
- 2) Reconfirm that you have a good ground to the solid **Black** wire of the ASWC-1.

Attention: Due to the nature of how microprocessors function, sometimes having the ASWC-1's ground shared and using the factory ground in the OE wiring harness is not sufficient; and will cause problems. The use of a chassis ground solely by itself is highly recommended, especially in data communication vehicles. Attach the solid **Black** wire of the ASWC-1 to a good chassis ground, all by itself. Ensure this wire is straight from the ASWC-1 without any extensions, and make sure a ring terminal (not supplied) is used, and crimped properly. This will alleviate any grounding issues that may keep the ASWC-1 from programming; most cases of the ASWC-1 not programming comes from the lack of this step being done.

- 3) Recheck that the wires connected to the ASWC-1 and vehicle are correct; referencing the "ASWC-1 Vehicle Instructions" document, found on the axxessinterfaces.com website.
- 4) Verify that the wires connected from the ASWC-1 to the vehicle are connected direct; i.e., solder, crimp cap, military splice. No tapping style connectors, or butt connectors are permitted due to increased resistance.

ASWC-1 Troubleshooting

Auto Detect Mode

Note: *If a pre-wired harness is being used and you have tried all the troubleshooting steps listed above, if the ASWC-1 still does not go to a solid LED, remove the pre-wired ASWC-1 harness and use the harness that came with the ASWC-1.*

If you have performed any of the steps above; reprogram the ASWC-1 by pressing the reset button on the ASWC-1 for 3 seconds, release, and then follow the instructions on p. 9, starting from Step 3. If the ASWC-1 still does not go to a solid LED at the end, please refer to Manual Programming Mode on pp. 19-21 to manually program the ASWC-1.

If the ASWC did go to a solid LED but still does not work, follow these steps to troubleshoot the radio programming portion of the auto programming sequence:

- 1) Confirm that the 3.5mm jack on ASWC-1 is connected to your radio securely, and in the correct jack of the radio. Make sure it is not plugged into the Bluetooth mic or AUX jack. If you are not sure what jack to connect to the radio, please contact the radio vendor. If the wrong jack of the radio was connected to, correct it; and then reprogram the ASWC-1.

Note: *Some radios do not use a jack for the steering wheel controls, instead they use a wire. If so, reference Connections to be Made (p. 6), and ensure that you have the proper wire(s) connected.*

- 2) If you are using a radio with a wire for connections instead of a jack, make sure you have also programmed the steering wheel controls to the radio following the instructions included with the radio. Contact the radio vendor if you have any questions with this.

Note: *This does not apply to JVC and Kenwood radios.*

ASWC-1 Troubleshooting Auto Detect Mode

- 3) **For Kenwood radios**, make sure that the ASWC-1 displays that a Kenwood radio is being used; reference to Radio Legend (p. 21). If the Radio Legend shows a JVC radio instead, then reference to the Changing Radio Type (p. 12) to force program the ASWC-1 to display Kenwood.

***Tip:** Some Kenwood radios have a feature called Remote Sensor. If your radio has this feature, ensure it is turned on. If it is on, turn it off, then back on.*

- 4) **For Alpine radios**, remove the 3.5mm jack from the radio, reprogram the ASWC-1 with the jack removed, and then reconnect the 3.5mm jack back into the radio.

***Tip:** Some Alpine radios have a feature that turns the remote to either the back, or the front. If you have one of these radios, ensure the sensor is on the rear setting. If the setting is on the rear, turn it to the front, then back to the rear.*

- 5) **For Pioneer and Sony radios**, if the ASWC-1 works, but the buttons are out of order, or become out of order; this could be caused by the 3.5mm jack on the ASWC-1 not seating properly, slipping out, or dirt on the contacts. Additionally, sometimes this can be intermittent. Remove any dirt on the contacts, reinsert the jack firmly into the radio, and then put a stress loop on the 3.5mm cable to prevent this from happening in the future. Also, if anything is prohibiting the jack from seating all the way in, such as a heatsink, lightly trim some of the plastic from the 3.5mm jack as needed.

ASWC-1 Troubleshooting

Manual Programming Mode

If your vehicle is not listed for auto detection by the ASWC-1 on the Axxess website, www.axxessinterfaces.com, you may be able to manually program a non-data communication vehicle using the following steps.

***Tip:** If you do not know if you have a data communication vehicle or not, refer to the “ASWC-1 Vehicle Instruction” document, from www.axxessinterfaces.com. If it indicates to press and release the **Volume Up** button repeatedly to program the ASWC-1, then you have a data communication vehicle.*

***Note:** Not every radio will have all the possible steering wheel control commands on the steering wheel. Aftermarket radios that do not have Bluetooth will not recognize the **PTT (Push to Talk)** or **On/Off Hook** commands, however these buttons may be able to be manually programmed to do other commands. Please refer to the radio owner’s manual or radio vendor for specific commands that the radio will recognize.*

***Note:** Please read all Manual Programming Steps **before** beginning.*

- 1) Follow the steps in the Connections to be Made section (p. 6-7) to wire up the ASWC-1 to your radio.
- 2) Turn the ignition on, then press and hold the **Reset** button on the ASWC-1 for approximately 10 seconds until the LED on the ASWC-1 flashes slow; and then release the **Reset** button.
- 3) At this point, press and hold the **Volume Up** button on the steering wheel for 7 seconds until the LED goes solid. Now release the **Volume Up** button, and the LED will go off. **Volume Up** has now been programmed.

ASWC-1 Troubleshooting

Manual Programming Mode

- 4) Next, press and hold the **Volume Down** button until the LED goes solid. Release the **Volume Down** button and the LED will turn off; **Volume Down** has now been programmed.
- 5) At this point refer the Manual Programming Legend (p. 21) and continue to the **Seek Up/Next** button.

Note: For any command that needs to be skipped, press the **Volume Up** button for each one. The LED should light up each time you press the **Volume Up** button.

- 6) After the last button on your steering wheel has been programmed, press and hold the **Volume Up** button until the LED flashes slow; and then release the **Volume Up** button.

Note: If at any time an error is made hold down the reset button on the ASWC-1 for 10 or more seconds. This will restart the manual programming. Go back to Step 4 and start again.

- 7) Press and hold the **Volume Down** button until the LED starts to flash quickly.
- 8) Release the **Volume Down** button.
- 9) After approximately 4 seconds of the LED flashing quickly the LED will go out for 2 seconds.
- 10) Then the LED will flash, up to 15 times, depending on what radio is connected to the ASWC-1.
- 11) Make sure the number of flashes match what radio you have installed. Refer to the Radio Legend (p.13).

Note: If the number of flashes do not match the radio you have installed, refer to the Changing Radio Type section (p. 13).

ASWC-1 Troubleshooting Manual Programming Mode

- 12) Press and hold down the **Volume Down** button until the LED goes solid.
- 13) Programming for the vehicle and the radio is now complete. Next, test the steering wheel control functions to make sure it works correctly.

Manual Programming Legend

- | | |
|-------------------|------------------------|
| 1. Volume Up | 10. Band |
| 2. Volume Down | 11. Play/Enter |
| 3. Seek Up/Next | 12. PTT (Push to Talk) |
| 4. Seek Down/Prev | 13. On Hook |
| 5. Source/Mode | 14. Off Hook |
| 6. Mute | 15. Fan Up |
| 7. Preset Up | 16. Fan Down |
| 8. Preset Down | 17. Temp Up |
| 9. Power | 18. Temp Down |

ASWC-1 Troubleshooting

Resetting Original ASWC-1 Settings

- 1) Turn the ignition on and wait 3 seconds.
- 2) Press the **Reset** button for 3 seconds and then release.
- 3) Refer to the Programming section (pp. 8-9) to program the ASWC-1.
- 4) Once the LED is solid the ASWC-1 is reset and should be operating with the default settings.

ASWC-1 Troubleshooting

LED Feedback

A. Vehicle LED Feedback (indicated by **Green** LED on the ASWC-1)

- 1st LED flash is the **White/Green**
- 2nd LED flash is the **Yellow/Green**
- 3rd LED flash is the **Green/Orange**
- 4th LED flash is the **Gray/Red**
- 5th LED flash is the **Black/Green**
- 6th LED flash is the **Gray/Blue**
- 7th LED flash is the **Pink**

Note (section A):

- Short flashes represent the steering wheel control wire(s) that are not connected to the vehicle from the ASWC-1.
- Long flashes represent wire(s) that are connected to the vehicle.

ASWC-1 Troubleshooting

LED Feedback

B. Radio LED Feedback (indicated by **Red** LED on the ASWC-1)

- 1st LED flash is for Eclipse (Type 1)
- 2nd LED flash is for Kenwood
- 3rd LED flash is for Clarion (Type 1)
- 4th LED flash is for Sony and Dual
- 5th LED flash is for JVC
- 6th LED flash is for Pioneer and Jensen
- 7th LED flash is for Alpine*
- 8th LED flash is for Visteon
- 9th LED flash is for Valor
- 10th LED flash is for Clarion (Type 2)
- 11th LED flash is for Metra OE
- 12th LED flash is for Eclipse (Type 2)
- 13th LED flash is for LG
- 14th LED flash is for Parrot**
- 15th LED flash is for XITE

***Note (section B):** If the ASWC-1 flashes 7 times and you do not have an Alpine radio connected to it that means that the ASWC-1 did not see any radio connected. Verify the 3.5mm connector is connected to the steering wheel control input into the radio.

****Note (section B):** The AX-SWC-PARROT is required (sold separately). The radio must be updated to rev. 2.1.4 or higher from www.parrot.com and ASWC-1 must be updated to the latest firmware from www.axxessinterfaces.com.

IMPORTANT WARNING

This product includes instructions for installation which must be carefully followed. The instructions are worded in such a manner to assume that the installer is capable of completing these type of electronic installations. If you are unclear as to what you are instructed to do or believe that you do not understand the instructions so as to properly and safely complete the installation *you should consult a technician who does have this knowledge and understanding.*

Failure to follow these instructions carefully and to install the interface as described could cause harm to the vehicle or to safety systems on the vehicle. Interference with certain safety systems could cause harm to persons as well. If you have any questions in this regard please call the Help line or Metra at 1-800-221-0932 for assistance.



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



**Metra recommends MECP
certified technicians**

REV. 10/12/2017 ASWC-INST10

US. PAT. NOS. 8014920 and 8214105

1-800-221-0932

AXXESSINTERFACES.COM

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ASWC-1

Manual de instalación de la interfase de control en volante Axxess

US. PAT. NOS. 8014920 y 8214105

CARACTERÍSTICAS DE LA INTERFASE

- Una interfase hace todo - No se requieren interfases adicionales
- Diseñado para ser compatible con todas las marcas principales de radios
- Detecta automáticamente el tipo de vehículo, la conexión de radio y pre configura los controles
- Se pueden asignar botones duales de control en el volante
- Se puede programar manualmente en la mayoría de los vehículos
- La memoria retiene la configuración incluso después de que se desconecte la batería o se elimine la interfase
- Todas las conexiones se hacen en el lugar del radio
- Actualizable por micro "B" USB

COMPONENTES DE LA INTERFASE

Interfase ASWC-1 • Arnés de 12pins con conector macho de 3.5mm

- Conector hembra de 3.5mm con cables marrón/blanco

HERRAMIENTAS REQUERIDAS

- Cortador • Pelacables • Cinta

METRA. THE WORLD'S BEST KITS.®

1-800-221-0932

metraonline.com

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PRECAUCIÓN: Metra recomienda desconectar el terminal negativo de la batería antes de comenzar cualquier instalación. Todos los accesorios, interruptores y, especialmente, las luces indicadoras de airbag deben estar enchufados antes de volver a conectar la batería o comenzar el ciclo de ignición.

Nota: Remítase a las instrucciones incluidas con el radio de postventa.

Prefacio

Lo que debe saber antes de empezar

- 1) Conozca el año, marca y modelo correctos de su vehículo.
- 2) Asegúrese de que los controles en el volante funcionen antes de retirar el radio de fábrica y sepa cuál es el botón de **aumentar volumen**. El botón de **aumentar volumen** se usa para la programación, así que es importante saber esto antes de retirar el radio.

Nota: Los controles en el volante deben ser los que vienen con el vehículo cuando este se compró. No aceptamos trabajos personalizados, es decir, agregar un nuevo volante con botones agregados/nuevos.

- 3) Visite el sitio web de Axxess (axxessinterface.com) y haga clic en el enlace titulado "ASWC-1 Vehicle Instructions" (Instrucciones del vehículo con ASWC-1), ubicado en la parte derecha de la pantalla en el centro. Una vez que ingrese la información de su vehículo, haga clic en el botón "Submit" (Enviar). Esto lo llevará a otra página, donde hará clic en el enlace bajo la palabra "Documents" (Documentos). Esto le proporcionará las instrucciones específicas al vehículo para su vehículo. Imprima este documento para que lo tenga en su vehículo durante la instalación, ya que esta es la mejor fuente de información, además de ser la más reciente.
- 4) Asegúrese de que el radio que está instalando sea compatible con el ASWC-1. Además, consulte la leyenda del radio (pág. 13) y el manual del propietario de su radio.
- 5) Actualice el ASWC-1 con el software más reciente. **Nota:** Para actualizarlo vaya a axxessinterfaces.com y descargue el programa WebXXpress.

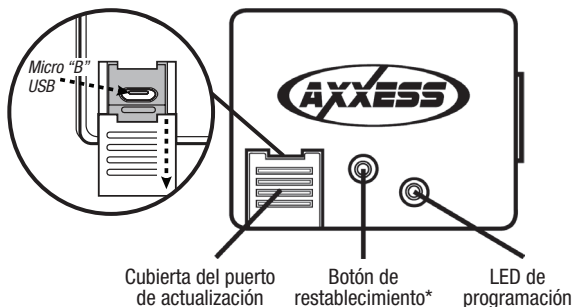
Atención: Aunque hemos realizado una amplia investigación y pruebas para verificar que los cables del control en el volante que enumeramos son correctos. Es su responsabilidad verificar que los cables del control en el volante que enumeramos sean correctos con un multímetro. Si encuentra algún error, por favor notifique a nuestro Departamento Técnico de Axxess al 1-800-253-TECH. Por favor llame desde su vehículo, mientras está estacionado, y tenga acceso a la interfase y al cableado del vehículo cuando realice la llamada.

Información general

Introducción a la interfase ASWC-1 y al arnés de cables

En la parte superior de la interfase ASWC-1 hay tres puntos de interés:

- 1) **LED de programación**
- 2) **Botón de restablecimiento**
- 3) **Cubierta del puerto de actualización** (deslice para abrirla)

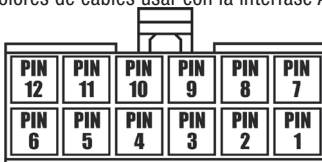


***Nota:** El botón de restablecimiento está empotrado. Se necesita un objeto como un sujetapapeles parcialmente desdoblado para oprimir el botón.

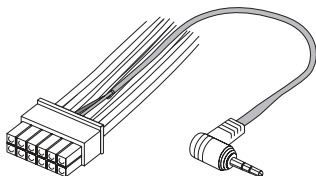


Información general

A continuación se indican los colores de los cables del ASWC-1. Visite el sitio web de Axxess en www.axxessinterfaces.com para obtener información detallada sobre su vehículo específico y para saber cuáles colores de cables usar con la interfase ASWC-1.

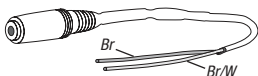


Pin 1	Rosa	Pin 7	Azul/Rosa
Pin 2	Blanco/Verde	Pin 8	Negro/Verde
Pin 3	Amarillo/Verde	Pin 9	Rojo (<i>punta del conector de 3.5mm</i>)
Pin 4	Verde/Anaranjado	Pin 10	Blanco (<i>aro de conector de 3.5mm</i>)
Pin 5	Gris/Rojo	Pin 11	Gris/Azul
Pin 6	Negro	Pin 12	Rojo



Se muestra arriba: Arnés de 12 pins con conector macho de 3.5mm

Se muestra abajo: Conector hembra de 3.5mm con cables marrón (Br) y marrón/blanco (Br/W)



Instalación del ASWC-1

Conexiones que se deben hacer

Una vez que haya recolectado o impreso las “Instrucciones del vehículo con ASWC-1” sobre su vehículo específico en el sitio www.axxessinterface.com, está listo para instalar el ASWC-1.

Nota: Si el cableado para su vehículo no está disponible en nuestro sitio web, necesitará buscarlo por su cuenta. Confirme primero con el departamento de soporte técnico de Axxess al 1-800-253-TECH, puesto que nosotros podemos tener esta información.

Dentro del vehículo:

- 1) Conecte el cable **negro** del ASWC-1 a tierra. Puede usar el mismo punto a tierra que el radio de mercado secundario, pero es muy recomendable conectar el ASWC-1 a tierra con el chasis del vehículo, sin compartir la conexión.
- 2) Con la llave en la posición de apagado, conecte el cable **rojo** del ASWC-1 con el cable de accesorios de 12 voltios.
- 3) Localice los cables correctos del control en el volante en el arnés del vehículo, según se describa en las “Instrucciones del vehículo con ASWC-1”. Conecte estos cables con el ASWC-1.

Nota: Metra recomienda que los cables se suelden para lograr la mejor conexión, y la más segura. No se recomienda usar conectores de tipo rosca debido a que tienen una mayor probabilidad de crear una conexión intermitente o un cambio en los valores de resistencia (provocará que el ASWC-1 no se pueda programar).

Dentro del radio:

- 1) Para los radios enumerados a continuación, conecte el adaptador hembra de 3.5mm (con los cables marrón y marrón/blanco) al conector macho de 3.5mm del arnés del ASWC-1.
 - A. Para radios Eclipse:** Conecte los cables del control en el volante Eclipse (normalmente **marrón** y **marrón/negro**) con los cables **marrón** y **marrón/blanco** del ASWC-1. El **marrón** del ASWC-1 se conecta al **marrón/negro** del Eclipse y el **marrón/blanco** del ASWC-1 se conecta con el **marrón** del Eclipse.

Instalación del ASWC-1

Conexiones que se deben hacer

- B. Para radios Metra OE:** Conecte el cable Clave 1 (gris) del control en el volante con el cable **marrón** del ASWC-1. Aísle y encinte el cable **marrón/blanco**, no se utilizará.
- C. Para Kenwood o algunos JVC con cable del control en el volante azul/amarillo:** Conecte el cable del control en el volante Kenwood/JVC con el cable **marrón** del ASWC-1. Aísle y encinte el cable **marrón/blanco**, no se utilizará.

***Nota:** Algunos de los radios Kenwood más nuevos se detectarán automáticamente como JVC. Si este es el caso, (puede ajustar manualmente el tipo de radio, consulte la sección Cambiar el tipo de radio (págs. 12 y 13).*

- D. Para radios XITE:** Conecte el cable SWC-2 del control en el volante del radio al cable marrón del ASWC-1. Aísle y encinte el cable marrón/blanco, no se utilizará.

- 2) **Para Parrot Asteroid Smart o tabletas:** Conecte el conector de 3.5 mm del ASWC-1 con el conector hembra de 3.5 mm del AX-SWC-PARROT (se vende por separado). Luego conecte el arnés macho de 4 pins con el correspondiente arnés hembra del control en el volante del radio.

***Nota:** Se requiere AX-SWC-PARROT (se vende por separado) y el radio debe actualizarse a la versión 2.1.4 o más reciente. Además, el ASWC-1 debe actualizarse al software más reciente disponible.*

- 3) **Para todos los demás radios:** Conecte el conector macho de 3.5 mm del ASWC-1 en la parte posterior del radio de mercado secundario, designada para una interfase de control en volante externo. Consulte el manual de los radios de mercado secundario si tiene dudas acerca de dónde debe ir el conector de 3.5 mm del ASWC-1.

Instalación del ASWC-1

Programación

El ASWC-1 puede programarse de dos maneras diferentes. Puede programarse automáticamente por sí solo mediante el modo de detección automática o puede programarse manualmente (págs. 19 a 21). Se recomienda lo siguiente para la programación automática.

Modo de detección automática: Información general

El ASWC-1 tiene la capacidad de detectar automáticamente algunos vehículos y a cuál radio de mercado secundario está conectado. El documento “Instrucciones del vehículo con ASWC-1”, que se encuentra en el sitio www.axxessinterface.com, indicará si su vehículo será detectado automáticamente y qué acción, de haberla, debe seguir usted para que este proceso se lleve a cabo.

Para que la función de detección automática funcione hay (3) acciones posibles que deben llevarse a cabo. Tenga en cuenta que solo se necesitará una acción dependiendo del vehículo:

1. Encienda la ignición y no se requiere ninguna otra acción.

--- **0 bien** ---

2. Encienda la ignición, presione y mantenga presionado el botón de **aumentar volumen** en el volante.

--- **0 bien** ---

3. Encienda la ignición y luego oprima el botón de **aumentar volumen** en el volante.

Modo de detección automática: Pasos

Nota: Lea todos los pasos del modo de detección automática antes de comenzar.

- 1) Realice las conexiones al vehículo y al radio de mercado secundario.
- 2) Encienda la ignición; el foco LED empezará a parpadear rápidamente de color **rojo**, lo que significa que el ASWC-1 está buscando el vehículo y el radio.

Nota: Si el foco LED no empezó a parpadear rápidamente de color **rojo**, presione el botón de restablecimiento por 3 segundos y continúe con el paso 3.

- 3) Realice la acción requerida para su vehículo específico como se indica en el documento “Instrucciones del vehículo con ASWC-1”, que se descargó en Axxessinterfaces.com.
- 4) Después de varios segundos, el foco LED debe dejar de parpadear

Instalación del ASWC-1

Programación

y no iluminarse durante aproximadamente 2 segundos. En este momento, no presione ningún botón.

- 5) Después de aproximadamente 2 segundos, habrá una serie de 7 parpadeos de color **verde**, algunos cortos y algunos largos. Los parpadeos largos representan los cables que son reconocidos por el ASWC-1.

Sugerencia: Saber esto le ayudará en caso de necesitar resolver problemas, consulte la página 22 para buscar la leyenda correcta en la sección de retroalimentación LED.

- 6) El foco LED pausará durante otros 2 segundos y luego parpadeará de color **rojo** hasta 15 veces dependiendo del radio que se conectó al ASWC-1.

Sugerencia: Saber esto le ayudará en caso de necesitar resolver problemas, consulte la página 23 para buscar la leyenda correcta en la sección de retroalimentación LED.

- 7) Este es el final de la etapa de detección automática. Si el ASWC-1 detectó el vehículo y el radio de forma exitosa, el foco LED se iluminará sin parpadear.
- 8) Para vehículos con botones Bluetooth del fabricante original, presione **Colgar** o **Descolgar** en el control de su volante después de que el foco LED del ASWC-1 se encienda sin parpadear. Si pueden utilizarse los botones de Bluetooth del fabricante de equipo original, el foco LED se apagará después de 3 segundos. Los botones de su Bluetooth original ahora están programados en su radio de mercado secundario.

Nota: El radio de mercado secundario debe ser compatible con Bluetooth y debe ser capaz de aceptar estos comandos.

- 9) Asegúrese de que los botones de control en el volante funcionen correctamente en el vehículo y disfrute.

Sugerencia: Si el foco LED del ASWC-1 no se enciende sin parpadear, presione el botón de restablecimiento por 3 segundos, suéltelo y empiece a partir del paso 3. Si el foco LED aún no se enciende sin parpadear consulte la sección de retroalimentación LED (pág. 22). Esto le ayudará a determinar si el ASWC-1 está detectando su vehículo. De lo contrario, consulte las instrucciones empezando en la pág. 6 y asegúrese de seguir todas las instrucciones como se indican. Si ha hecho esto y el ASWC-1 aún no se enciende sin parpadear, consulte la sección de resolución de problemas (págs. 16 a 18).

Instalación del ASWC-1

Remapeo de los botones SWC

Digamos que tiene el ASWC-1 programado para su radio y ahora quiere cambiar la asignación de los botones para los controles del volante. Por ejemplo, le gustaría que el botón de **buscar siguiente** funcionara como **silencio**. Siga estos pasos para remapear los botones de control en el volante:

- 1) Asegúrese de tener el ASWC-1 visible, para que se pueda ver el parpadeo del foco LED para confirmar el reconocimiento de los botones.

Sugerencia: *Se recomienda apagar el radio.*

- 2) Dentro de los primeros 20 segundos después de encender la ignición, presione y mantenga presionado el botón de **augmentar volumen** del volante hasta que el LED deje de parpadear.
- 3) Suelte el botón de **augmentar volumen** y el foco LED se apagará, ahora el botón de **augmentar volumen** se ha programado.
- 4) Siga la lista en la leyenda de asignación de botones (pág. 11), para consultar el orden en que los botones del control en el volante deben programarse.

Nota: *Si la siguiente función de la lista no está en el volante, presione el botón de **augmentar volumen** durante 1 segundo hasta que el foco LED se encienda y luego suelte el botón. Esto le indica al ASWC-1 que la función no está disponible y pasará a la siguiente función.*

- 5) Para terminar el proceso de remapeo, presione y mantenga presionado el botón de **augmentar volumen** en el volante hasta que se apague el foco LED en el ASWC-1.

Instalación del ASWC-1

Remapeo de los botones SWC

Legenda de asignación de botones

- | | |
|-------------------------|---------------------------------|
| 1. Subir volumen | 8. Bajar preestablecido |
| 2. Bajar volumen | 9. Encendido |
| 3. Buscar siguiente | 10. Banda |
| 4. Buscar anterior | 11. Reproducir/Aceptar |
| 5. Fuente/Modo | 12. PTT (presionar para hablar) |
| 6. Silencio | 13. Colgado |
| 7. Subir preestablecido | 14. Descolgado |

**Solo los siguientes modelos Pioneer son capaces de retener esta función: AVIC-Z110BT, AVIC-Z120BT, AVIC-Z130BT, AVIC-Z140BT, AVIC-X920BT, AVIC-X930BT, AVIC-X940BT.*

Nota: No todos los radios tienen todos estos comandos. Consulte el manual del propietario del radio o comuníquese con el proveedor del radio directamente para obtener los comandos específicos reconocidos por ese radio en particular.

Instalación del ASWC-1

Cambio de tipo de radio

- 1) Después de 3 segundos de girar la llave a encendido, presione y mantenga presionado el botón de **bajar volumen** en el volante hasta que el foco LED en el ASWC-1 se encienda sin parpadear.
- 2) Suelte el botón de **bajar volumen**, el foco LED se apagará indicando que ahora estamos en el modo de cambio de tipo de radio.
- 3) Consulte la leyenda de radio (pág. 13) para saber qué número de radio le gustaría programar.
- 4) Presione y mantenga presionado el botón de **aumentar volumen** hasta que el foco LED se encienda sin parpadear, luego suéltelo. Repita este paso para el número de radio deseado que ha seleccionado.
- 5) Después de seleccionar el número de radio deseado, presione y mantenga presionado el botón de **bajar volumen** en el volante hasta que el foco LED se encienda sin parpadear. El foco LED permanecerá encendido durante aproximadamente 3 segundos mientras almacena la información del nuevo radio.
- 6) Después de apagarse el foco LED, finalizará el modo de cambio de tipo de radio. Ahora puede probar los controles en el volante.

Nota: Si en cualquier momento el usuario no presiona ningún botón por un periodo mayor a 10 segundos, este modo de programación se abortará.

Instalación del ASWC-1

Cambio de tipo de radio

Leyenda de radio

- | | |
|-----------------------|----------------------|
| 1. Eclipse (Tipo 1) | 9. Valor |
| 2. Kenwood | 10. Clarion (Tipo 2) |
| 3. Clarion (Tipo 1) | 11. Metra OE |
| 4. Sony and Dual | 12. Eclipse (Tipo 2) |
| 5. JVC | 13. LG |
| 6. Pioneer and Jensen | 14. Parrot* |
| 7. Alpine | 15. XITE |
| 8. Visteon | |

**Se requiere AX-SWC-PARROT (se vende por separado) y el radio debe actualizarse a la versión 2.1.4 o más reciente. Además, el ASWC-1 debe actualizarse al firmware más reciente disponible.*

Nota: Si tiene un radio Clarion y el ASWC-1 no funcionó pruebe con el otro tipo de radio Clarion, lo mismo aplica con el radio Eclipse.

Instalación del ASWC-1

Instrucciones de asignación dual

Nota: Los botones **buscar siguiente** y **buscar anterior** ya están configurados en **subir preestablecido** y **bajar preestablecido** al presionar y sostener el botón.

- 1) Encienda la ignición pero no encienda la marcha del vehículo.
- 2) Presione y sostenga el botón del volante al que desea asignar a una función de presionar y sostener, durante al menos 10 segundos hasta que el foco LED parpadee rápidamente de color verde. En este momento suelte el botón y el foco LED se encenderá sin parpadear.
- 3) Presione y suelte el botón de **aumentar volumen** el número de veces que corresponda al número del nuevo botón seleccionado (consulte la tabla en la pág. 15). El foco LED de color verde parpadeará rápidamente cuando se presiona el botón de **aumentar volumen** y se encenderá sin parpadear de color verde cuando se suelta. Luego vaya al siguiente paso cuando el botón de **aumentar volumen** se ha presionado el número de veces deseado.

Precaución: Si transcurren más de 10 segundos entre cada vez que presiona el botón de **aumentar volumen**, este procedimiento se abortará y se apagará el foco LED.

- 4) Para almacenar en la memoria el botón de presionar y sostener, presione el botón al que asignó como botón de presionar y sostener (el botón que se mantuvo presionado en el paso 1). El foco LED ahora se apagará indicando que se ha almacenado.

Nota: Estos pasos deben repetirse con cada botón al que le gustaría asignar una acción de doble propósito.

Para restablecer un botón a su uso original, repita el paso 1. Luego presione el botón de **bajar volumen**. El foco LED se apagará y el mapeo de presionar y sostener de ese botón se borrará.

Instalación del ASWC-1

Instrucciones de asignación dual

Leyenda de asignación dual

Número de botón	Nueva acción del botónn
1	No se permite
2	No se permite
3	Buscar siguiente
4	Buscar anterior
5	Modo/Fuente
6	Silencio
7	Subir preestablecido
8	Bajar preestablecido
9	Potencia
10	Banda
11	Reproducir/Aceptar
12	PTT
13	Colgado
14	Descolgado
15	Aumentar ventilador
16	Disminuir ventilador
17	Aumentar temperatura
18	Disminuir temperatura

Resolución de problemas de ASWC-1

Modo de detección automática

Si la función de detección automática se intentó y al final el foco LED no se encendió sin parpadear, sino que parpadeó continuamente; esto significa que el ASWC-1 no detectó el vehículo. Siga estos pasos para determinar qué puede haber ocurrido:

- 1) Verifique que tenga 12 voltios de CD en el cable **rojo** de accesorios del ASWC-1, usando un multímetro.
- 2) Vuelva a confirmar que el cable **negro** del ASWC-1 tiene una conexión a tierra correcta.

Atención: Debido a la naturaleza del funcionamiento de los microprocesadores, algunas veces compartir la conexión a tierra del ASWC-1 y usar la conexión a tierra de fábrica del arnés de cables original no es suficiente, y ocasionará problemas. Se recomienda ampliamente usar la tierra al chasis sin compartir especialmente en vehículos con comunicación de datos. Sujete el cable **negro** del ASWC-1 a tierra del chasis sin compartir esta conexión. Asegúrese de que el cable venga directamente del ASWC-1 sin ninguna extensión, y asegúrese de usar una terminal de aro (no suministrada) y que esté correctamente pelada. Esto resolverá cualquier problema de conexión a tierra que pudiera impedir la programación del ASWC-1; en la mayoría de los casos el ASWC-1 no se programa debido a la omisión de este paso.

- 3) Vuelva a revisar que los cables conectados al ASWC-1 y el vehículo sean los correctos, consulte el documento "Instrucciones del vehículo con ASWC-1" que se encuentra en el sitio web axxessinterfaces.com.
- 4) Verifique que los cables conectados del ASWC-1 al vehículo se conecten directamente, es decir, soldadura, tapa de rosca, empalme de unión occidental. No se permite el uso de conectores de tipo rosca o conectores a tope debido a que aumentan la resistencia.

Resolución de problemas de ASWC-1

Modo de detección automática

Nota: Si se usa un arnés precableado y ha intentado todos los pasos de resolución de problemas mencionados anteriormente, si foco LED del ASWC-1 aún no se enciende sin parpadear, retire el arnés precableado del ASWC-1 y use el arnés que venía con el ASWC-1.

Si ha realizado cualquiera de los pasos anteriores, vuelva a programar el ASWC-1 presionando el botón de restablecimiento en el ASWC-1 durante 3 segundos, suéltelo y luego siga las instrucciones en la página 9 empezando a partir del paso 3. Si el foco LED del ASWC-1 aún no se enciende sin parpadear al final, consulte el modo de programación manual en las páginas 19 a 21 para programar el ASWC-1 manualmente.

Si el foco LED del ASWC se enciende sin parpadear pero aún no funciona, siga estos pasos para resolver los problemas de la parte de programación del radio sobre la secuencia de programación:

- 1) Confirme que el conector de 3.5mm en el ASWC-1 esté conectado firmemente a su radio y que esté en el conector correcto del radio. Asegúrese de que no esté conectado al conector aux, mic o Bluetooth. Si no está seguro qué conector debe conectar al radio, comuníquese con el proveedor del radio. Si se conectó el conector equivocado del radio, corríjalo y luego vuelva a programar el ASWC-1.

Nota: Algunos radios no usan un conector para los controles en el volante más bien usan un cable. Si es así, consulte la sección de conexiones que se deben hacer (pág. 6) y asegúrese de que haya conectado los cables correctos.

- 2) Si está usando un radio con un cable para las conexiones en vez de un conector, asegúrese de que también haya programado los controles en el volante al radio siguiendo las instrucciones que se incluyen con el radio. Comuníquese con el proveedor del radio si tiene cualquier duda sobre esto.

Nota: Esto no aplica a los radios JVC y Kenwood.

Resolución de problemas de ASWC-1

Modo de detección automática

- 3) **Para los radios Kenwood**, asegúrese de que el ASWC-1 muestre que se está usando un radio Kenwood, consulte leyenda del radio (pág. 21). Si al contrario la leyenda del radio muestra radio JVC, entonces consulte el cambio de tipo de radio (pág. 12) para obligar al programa del ASWC-1 a mostrar Kenwood.

Sugerencia: Algunos radios Kenwood tienen una función llamada Sensor de control remoto. Si su radio tiene esta función, asegúrese de que está encendida. Si está encendida, apáguela y vuélvala a encender.

- 4) **Para radios Alpine**, retire el conector de 3.5 mm del radio, vuelva a programar el ASWC-1 sin el conector, y luego vuelva a conectar el conector de 3.5 de nuevo con el radio.

Sugerencia: Algunos radios Alpine tienen una función que cambia el control remoto a la parte posterior o frontal. Si tiene uno de estos radios, asegúrese de que el sensor esté en el ajuste trasero. Si el ajuste está en la parte trasera, cámbielo a la parte frontal y luego de nuevo a la parte trasera.

- 5) **Para radios Pioneer y Sony**, si el ASWC-1 funciona pero los botones no están funcionando o dejan de funcionar, esto podría deberse a que el conector de 3.5 mm del ASWC-1 no está bien colocado, se está desconectando o hay suciedad en los contactos. Además, algunas veces esto puede ser intermitente. Retire toda la suciedad de los contactos, vuelva a insertar el conector firmemente en el radio y luego coloque un bucle en el cable de 3.5 mm para evitar que esto suceda en el futuro. Asimismo, si algo está evitando que el conector entre por completo, tal como un disipador, recorte ligeramente un poco el plástico del conector de 3.5 según sea necesario.

Resolución de problemas de ASWC-1

Modo de programación manual

Si su vehículo no se encuentra en la lista de la detección automática del ASWC-1 en el sitio web de Axxess, www.axxessinterfaces.com, es posible que pueda programar manualmente un vehículo sin comunicación de datos usando los siguientes pasos.

Sugerencia: *En caso de no saber si tiene un vehículo con comunicación de datos, consulte el documento "Instrucciones del vehículo con ASWC-1" en el sitio web www.axxessinterfaces.com. Si indica presionar y soltar el botón de **augmentar volumen** repetidamente para programar el ASWC-1, entonces usted tiene un vehículo con comunicación de datos.*

Nota: *No todos los radios tendrán todos los comandos posibles en control en el volante. Los radios de mercado secundario que no tengan Bluetooth no reconocerán los comandos PPT (presionar para hablar) o de teléfono **colgado o descolgado**; sin embargo, estos botones pueden programarse manualmente para realizar otros comandos. Consulte el manual del propietario del radio o el proveedor del radio para ver los comandos específicos que el radio puede reconocer.*

Nota: *Lea todos los pasos de programación manual antes de comenzar.*

- 1) Siga los pasos en la sección de conexiones que se deben hacer (pág. 6 y 7) para conectar los cables del ASWC-1 con su radio.
- 2) Encienda la ignición, luego presione y mantenga presionado el botón de restablecimiento en el ASWC-1 durante aproximadamente 10 segundos hasta que el foco LED del ASWC-1 parpadee lentamente y luego suelte el botón de restablecimiento.
- 3) En este momento, presione y mantenga presionado el botón de **augmentar volumen** en el volante durante 7 segundos hasta que el foco LED se encienda sin parpadear. Ahora suelte el botón de **augmentar volumen** y el foco LED se apagará. Ya quedó programado el botón que sube el volumen.

Resolución de problemas de ASWC-1

Modo de programación manual

- 4) Ahora presione y mantenga presionado el botón de **bajar volumen** hasta que el foco LED se encienda sin parpadear. Suelte el botón de **bajar volumen** y el foco LED se apagará, ya quedó programado el botón de **bajar volumen**.
- 5) En este momento consulte la leyenda de programación manual (pág. 21) y continúe con el botón **Buscar siguiente**.

Nota: Para cualquier comando que necesite omitirse, presione el botón de **augmentar volumen** por cada uno. El foco LED debe encenderse cada vez que presione el botón de **augmentar volumen**.

- 6) Después de programar el último botón en el volante, presione y mantenga presionado el botón de **augmentar volumen** hasta que el foco LED parpadee lentamente y luego suelte el botón de **augmentar volumen**.

Nota: Si en cualquier momento se equivoca, mantenga presionado el botón de restablecimiento en el ASWC-1 durante 10 segundos o más. Esto reiniciará la programación manual. Vuelva al Paso 4 y empiece de nuevo.

- 7) Presione y mantenga presionado el botón de **bajar volumen** hasta que el foco LED empiece a parpadear rápidamente.
- 8) Suelte el botón de **bajar volumen**.
- 9) Después de aproximadamente 4 segundos de que el foco LED parpadee rápidamente, este se apagará durante 2 segundos.
- 10) Luego el foco LED parpadeará hasta 15 veces, dependiendo del radio al que el ASWC-1 está conectado.
- 11) Asegúrese de que la cantidad de parpadeos corresponda al radio que tiene instalado. Consulte la leyenda del radio (pág. 13).

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Nota: Si el número de parpadeos no coincide con el radio que ha instalado, consulte la sección de cambio de tipo de radio (pág. 13).

- 12) Presione y mantenga presionado el botón de **bajar volumen** hasta que el foco LED se ilumine sin parpadear.
- 13) La programación del vehículo y del radio ha finalizado. Ahora, pruebe las funciones del control en el volante para asegurarse de que funcionen correctamente.

Leyenda de la programación manual

- | | |
|-------------------------|---------------------------------|
| 1. Subir volumen | 10. Banda |
| 2. Bajar volumen | 11. Reproducir/Aceptar |
| 3. Buscar siguiente | 12. PTT (presionar para hablar) |
| 4. Buscar anterior | 13. Colgado |
| 5. Fuente/Modo | 14. Descolgado |
| 6. Silencio | 15. Aumentar ventilador |
| 7. Subir preestablecido | 16. Disminuir ventilador |
| 8. Bajar preestablecido | 17. Aumentar temperatura |
| 9. Encendido | 18. Disminuir temperatura |

Resolución de problemas de ASWC-1

Restablecimiento de los ajustes originales de ASWC-1

- 1) Encienda la ignición y espere 3 segundos.
- 2) Presione el botón de restablecimiento durante 3 segundos y luego suéltelo.
- 3) Consulte la sección de programación (páginas 8 y 9) para programar el ASWC-1.
- 4) Después que el foco LED se encienda sin parpadear, el ASWC-1 se restableció y debe funcionar con los ajustes predeterminados.

Resolución de problemas de ASWC-1

Retroalimentación LED

A. Retroalimentación LED del vehículo (indicada por el foco LED de color verde en el ASWC-1)

- | | |
|--------|---|
| El 1er | parpadeo del foco LED es el blanco/verde |
| El 2o | parpadeo del foco LED es el amarillo/verde |
| El 3er | parpadeo del foco LED es el verde/anaranjado |
| El 4o | parpadeo del foco LED es el gris/rojo |
| El 5o | parpadeo del foco LED es el negro/verde |
| El 6o | parpadeo del foco LED es el gris/azul |
| El 7o | parpadeo del foco LED es el rosa |

Nota (section A):

- Los parpadeos cortos representan el o los cables del control en el volante que no están conectados al vehículo desde el ASWC-1.
- Los parpadeos largos representan el o los cables que están conectados al vehículo.

Resolución de problemas de ASWC-1 Retroalimentación LED

B. Retroalimentación LED del radio (indicada por el foco LED de color **rojo** en el ASWC-1)

El 1er	parpadeo del foco LED es para Eclipse (Tipo 1)
El 2o	parpadeo del foco LED es para Kenwood
El 3er	parpadeo del foco LED es para Clarion (Tipo 1)
El 4o	parpadeo del foco LED es para Sony y Dual
El 5o	parpadeo del foco LED es para JVC
El 6o	parpadeo del foco LED es para Pioneer y Jensen
El 7o	parpadeo del foco LED es para Alpine*
El 8o	parpadeo del foco LED es para Visteon
El 9o	parpadeo del foco LED es para Valor
El 10o	parpadeo del foco LED es para Clarion (Tipo 2)
El 11vo	parpadeo del foco LED es para Metra OE
El 12vo	parpadeo del foco LED es para Eclipse (Tipo 2)
El 13vo	parpadeo del foco LED es para LG
El 14vo	parpadeo del foco LED es para Parrot**
El 15vo	parpadeo del foco LED es para XITE

***Nota (sección B):** Si el ASWC-1 parpadea 7 veces y no tiene un radio Alpine conectado a él, esto significa que el ASWC-1 no detectó ningún radio conectado. Verifique que el conector de 3.5mm esté conectado a la entrada del control en el volante en el radio.

****Nota (sección B):** Se requiere de AX-SWC-PARROT (se vende por separado). El radio debe estar actualizado a la versión 2.1.4 o más reciente en www.parrot.com y el ASWC-1 debe estar actualizado al firmware más reciente del sitio web www.axxessinterfaces.com.

ADVERTENCIA IMPORTANTE

Este producto incluye instrucciones de instalación que deben seguirse cuidadosamente. Dichas instrucciones están redactadas dando por supuesto que el instalador es capaz de completar estos tipos de instalaciones electrónicas. Si tiene dudas respecto de lo que se le indica que haga o cree que no comprende las instrucciones como para completar la instalación en forma adecuada y segura, debe consultar a un técnico que efectivamente tenga estos conocimientos y comprensión.

Si no sigue estas instrucciones con cuidado y no instala la interfaz como se describe, podría provocar daños en el vehículo o en los sistemas de seguridad del vehículo. La interferencia con determinados sistemas de seguridad también podría provocar daños a las personas. Si tiene alguna pregunta al respecto, llame a la línea de ayuda o a metra, al 1-800-221-0932 para obtener asistencia.



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Metra recomienda técnicos con certificación del Programa de Certificación en Electrónica Móvil (Mobile Electronics Certification Program, MECP).

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