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JVC KD-AV300 Monitor With DVD Receiver

JVC KD-AV300 Monitor With DVD Receiver Instruction Manual

Contents

JVC

JVC KD-AV300 Monitor With DVD Receiver

Product Information

Specifications

- **Model:** KD-AV300
- **Product Type:** Monitor with DVD Receiver
- **Laser Classification:** Class 1 (safe for use)

FAQ

- **Q:** Is the KD-AV300 safe to use?
  - **A:** Yes, the KD-AV300 utilizes laser beams classified as Class 1, which means there is no danger of hazardous radiation outside the unit.
- **Q:** How do I reset the KD-AV300?
  - **A:** To reset the KD-AV300, follow the instructions provided in the Basics section of the manual.

Please read all instructions carefully before operation to obtain the best possible performance from the unit.

Introduction

The marking of products using lasers

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

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- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

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Before Use

Warning: Do not operate any function that takes your attention away from safe driving.

Caution

Volume setting

- Adjust the volume so that you can hear sounds outside the car to prevent accidents.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

General

- Avoid using the USB device or iPod/iPhone if it might hinder safety driving.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit, to prevent a short circuit.
- If a disc error occurs due to condensation on the laser lens, eject the disc and wait for the moisture to evaporate.

Remote control (RM-RK257):

- Do not leave the remote control in hot places such as on the dashboard.
- The Lithium battery is in danger of explosion if replaced incorrectly. Replace it only with the same or equivalent type.
- The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Keep the battery out of reach of children and in original package when not used. Dispose of used batteries

promptly. If swallowed, contact a physician immediately.

How to read this manual

- The buttons on the faceplate are used for explaining the operations unless mentioned otherwise. However, if the remote control has the same or similar button names, they can also be used for the operations. For operations from the remote control, see "Remote control (RM-RK257)". (➔ 5)
- [XX] indicates the selected items or menu.
- (➔ XX) indicates that references are available on the stated page number.
- English indications are used for the purpose of explanation. You can select the indication language from the [Setting / General] menu.

Basics

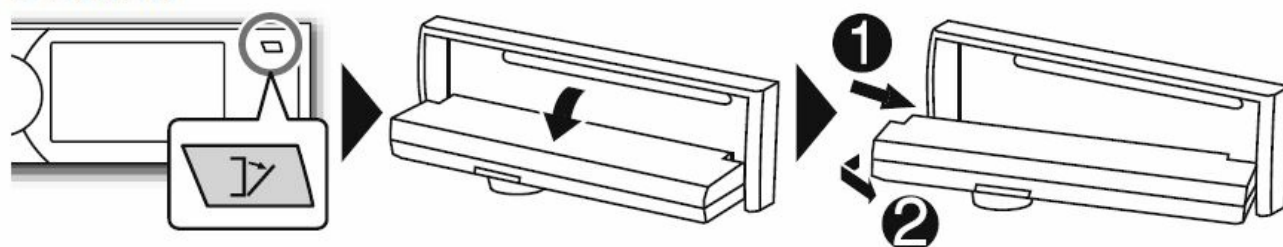**Faceplate**
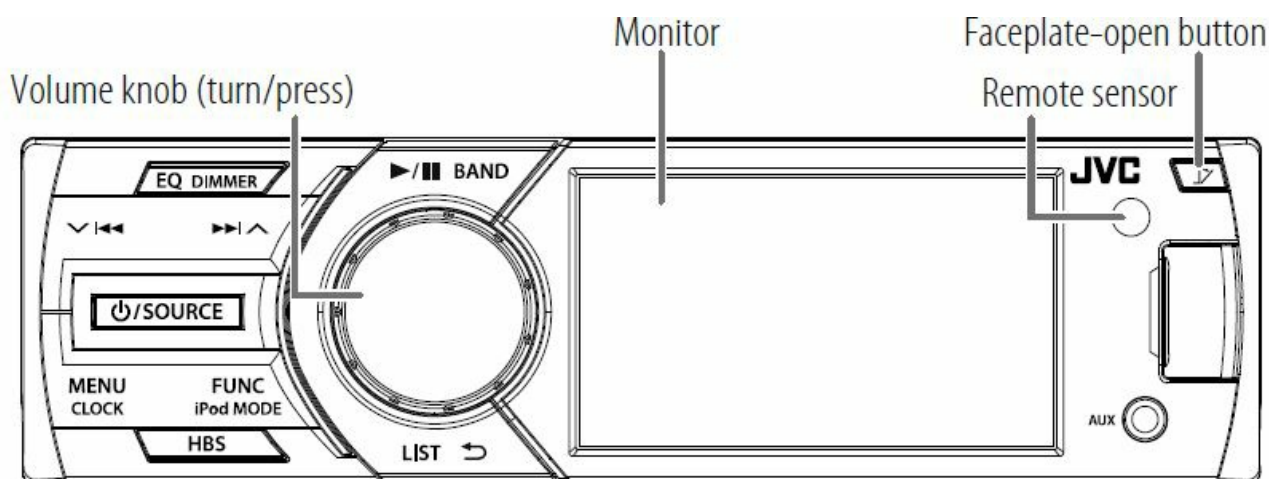
Initial setting — Clock adjustment

1. Press ⏻/SOURCE to turn on the power.
2. Press MENU to display the top menu screen.
3. Turn the volume knob to select [Setting], then press the knob to display the setting menu.
4. Turn the volume knob to select [⚙], then press the knob to display the [Setting / General] menu.
5. Turn the volume knob to select [Time], then press the knob.
6. Turn the volume knob to select the time format ([12 Hour] or [24 Hour]), then press the knob.
7. Turn the volume knob to select [Adjust], then press the knob.
8. Turn the volume knob to adjust the hour, then press the knob.
9. Turn the volume knob to adjust the minute, then press the knob.
10. When [12 Hour] is selected in Step 6: turn the volume knob to select AM or PM, then press the knob.
11. Press ⤺ to exit.

- If no operation is done for about 10 seconds, the operation will be canceled.
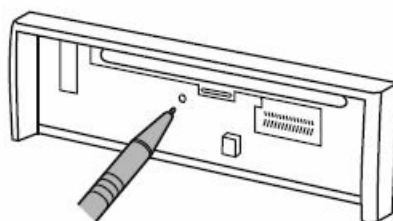- To return to the previous layer, press ⌄ ◄◄.
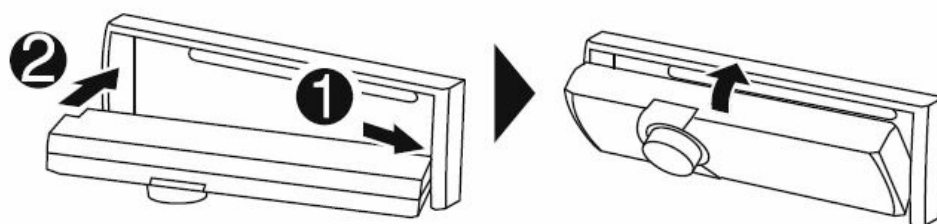
Attach/Detach

How to reset

- Your preset adjustments will also be erased.

To	Do this
Turn on the power	Press ⏻/**SOURCE**. (The buttons on the faceplate light up.) • Press and hold to turn off the power.
Adjust the volume	Turn the volume knob.
	Press the volume knob to mute the sound. • Press again to cancel.
Select a source	• Press ⏻/**SOURCE** repeatedly. • Press **MENU** to display the top menu screen, and turn the volume knob to select the source, then press the knob.
Display the clock	Press and hold **CLOCK**.

Top menu screen operation

You can select the source or enter the setting menu on the top menu screen. Press MENU to display the top menu screen, turn the volume knob to select the item, then press the knob to confirm the selection.

[iPod] or **[USB]**: **[iPod]** appears when the iPod/iPhone is connected.

Top menu screen

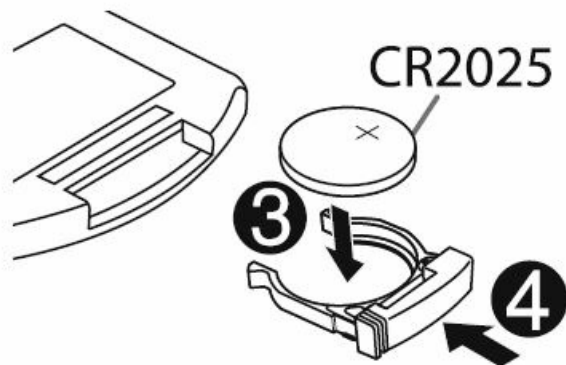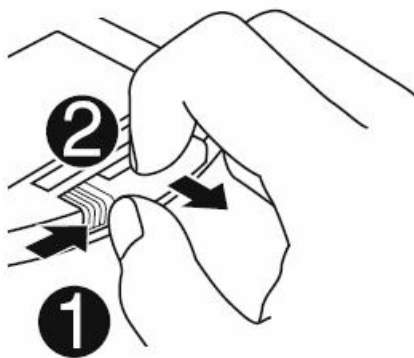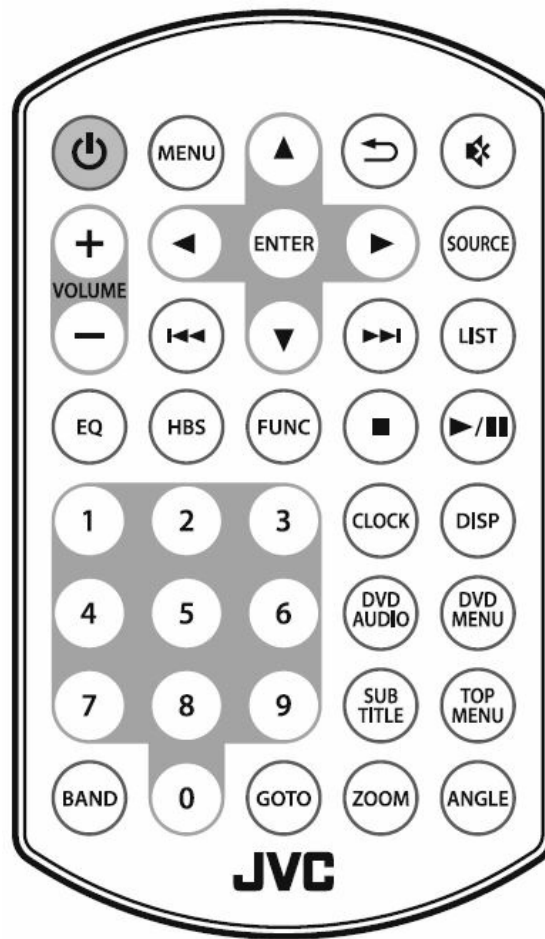- If no operation is done for about 10 seconds, the operation will be canceled.
- To exit, press ⤺.

Remote control (RM-RK257)

How to install the battery

CR2025

- If the effectiveness of the remote control decreases, replace the batteries.

- Aim the remote control directly at the remote sensor on the faceplate.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

Button	Operations
⏻	Turns the power on/off.
MENU	Displays the top menu screen.
▲/▼/◄/►	Selects an item.
ENTER	Confirms the selection.
VOLUME +/−	Adjusts the volume level.
◄◄/►►|	Searches for radio stations automatically. (Press)
	Searches for radio stations manually. (Hold)
	Selects a track. (Press)
	Reverse search/forward search. (Hold)
	Returns to previous layer during menu operation.
EQ	Selects the preset equalizer.
HBS	Activates/deactivate HBS (Hyper Bass Sound).
FUNC	Displays the function menu for the source.
0 – 9	Enters the number.
BAND	Selects the band.

⤺	Exits from the menu.
🔇	Mutes/restores the sound.
SOURCE	Selects a source.
LIST	Displays the item list for the selected source.
■	Stops playback.
►/II	Starts/pauses playback.
CLOCK	Displays the clock.
DISP	Displays on-screen information.
DVD MENU	Displays the DVD disc menu.
TOP MENU	Displays the DVD disc menu.
DVD AUDIO	Selects the audio language.
SUBTITLE	Selects the subtitle language.
ANGLE	Selects the view angle.
ZOOM	Magnifies the picture. (Not available for still picture playback.)
GOTO	Enters direct search mode.

Tuner

Tuner source screen
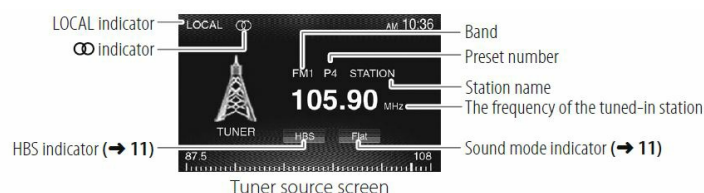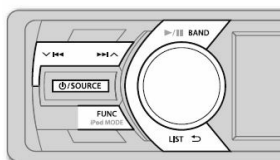
[Tuner List] menu screen

Search for a station

1. Press ⏻/SOURCE repeatedly to select [TUNER].
2. Press BAND repeatedly to select the band.
   - FM1/FM2/FM3/AM
3. Press ⌄ |◄◄/►►| ⌃ to search for a station automatically.
   - "Auto Seek" appears.
   - Press and hold ⌄ |◄◄/►►| ⌃ repeatedly to search for a station manually.
   - "Manual Seek" appears.
   - The ∞ indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.
   - To store stations, perform [Manual Store] or [Auto Store] (→ right column)

Select a stored station

1. Press LIST to display the [Tuner List] menu.

2. Turn the volume knob to select a preset number, then press the knob.

   - If no operation is done for about 10 seconds, the operation will be canceled.

   - To exit, press .

Other settings—Tuner function

While listening to a station…

1. Press FUNC to display the [Tuner function] menu.

2. Turn the volume knob to select the item to set (see the table below), then press the knob to make a selection.

3. Press to exit.

   - If no operation is done for about 10 seconds, the operation will be canceled.

Default: XX

Manual Store	Stores a station manually (up to 6 stations for each band). While listening to a station you want to store, turn the volume knob to select a preset number, then press the knob. • The preset number, band, and "Stored OK!" appear.
Auto Store	Automatically searches and stores the 6 stations with the strongest signals for the selected band. • "Auto Store" appears.
Local Seek	ON: Tunes in only to the stations with sufficient signal strength. (LOCAL indicator lights up.) OFF: Deactivates the function.

iPod/iPhone

Start playback
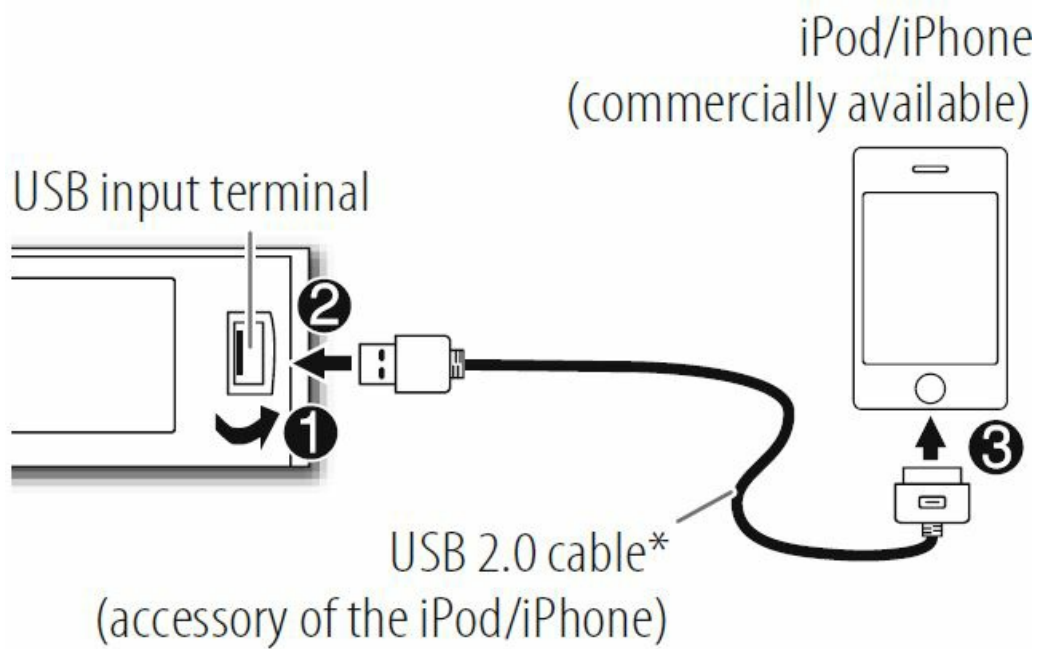
- You cannot play video from the iPod/ iPhone.

"USB Reading" appears, the source changes to [iPod], and playback starts. (Current control mode appears for 2 seconds.) (➔ right column)
* Do not leave the cable inside the car when not using it.

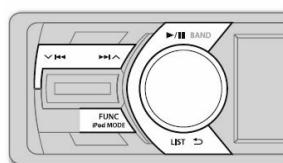| To	Do this
Play/pause	Press ▶/❚❚.
Select the control mode	Press and hold **iPod MODE**. • To control music playback from this unit, select **[Head Unit Mode]**. • To control music playback from the iPod/iPhone, select **[iPod Mode]**.
Select a song	Press ⌄ ◄◄/►►❙ ⌃ repeatedly.
Reverse/Fast-forward	Press and hold ⌄ ◄◄/►►❙ ⌃.
Select a song from the list	1 Press **LIST** to display the [LIST] menu. 2 Turn the volume knob to select an item, then press the knob. 1.Select category ([**Playlists**]/[**Artists**]/[**Albums**]/[**Genres**]/[**Songs**]/[**Composers**]/[**Audiobooks**]/[**Podcasts**]) 2.Select desired item. • If no operation is done for about 10 seconds, the operation will be canceled. • To return to the previous layer, press ⌄ ◄◄. • To exit, press ⤺.

Other settings—iPod function

1. Press FUNC to display the [iPod function] menu.

2. Turn the volume knob to select the item to set (see the table below), then press the knob to make a selection.

3. Press ⤺ to exit.

   • If no operation is done for about 10 seconds, the operation will be canceled.

Default: XX

Repeat*	**OFF**: Normal playback. (⇄ indicator lights up.) **One**: Functions the same as "Repeat One". (🔁 indicator lights up.) **All**: Functions the same as "Repeat All". (🔁Ⓐ indicator lights up.)
Random*	**OFF**: Normal playback. (⇄ indicator lights up.) **Songs**: Functions the same as "Shuffle Songs". (♫⤨ indicator lights up.) **Albums**: Functions the same as "Shuffle Albums". (◎⤨ indicator lights up.)
Audiobook	**Normal / Slow / Fast**: Selects the speed of audiobooks.

Disc/USB

Start playback

Disc

Label side
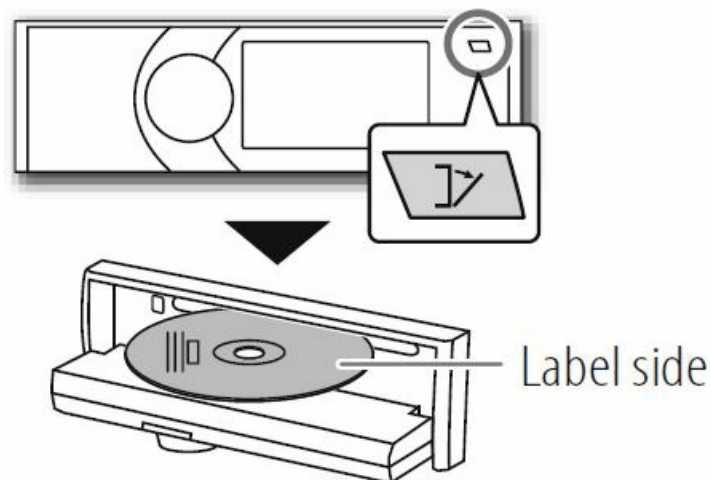
"DISC Reading" appears, the source changes to [DISC], and playback starts.

- When the file list ([List] menu) is displayed, turn the volume knob to select the file, then press the knob to start playback.

- To eject a disc, press [icon] to open the faceplate, then press [icon] while the power is turned on.

USB device
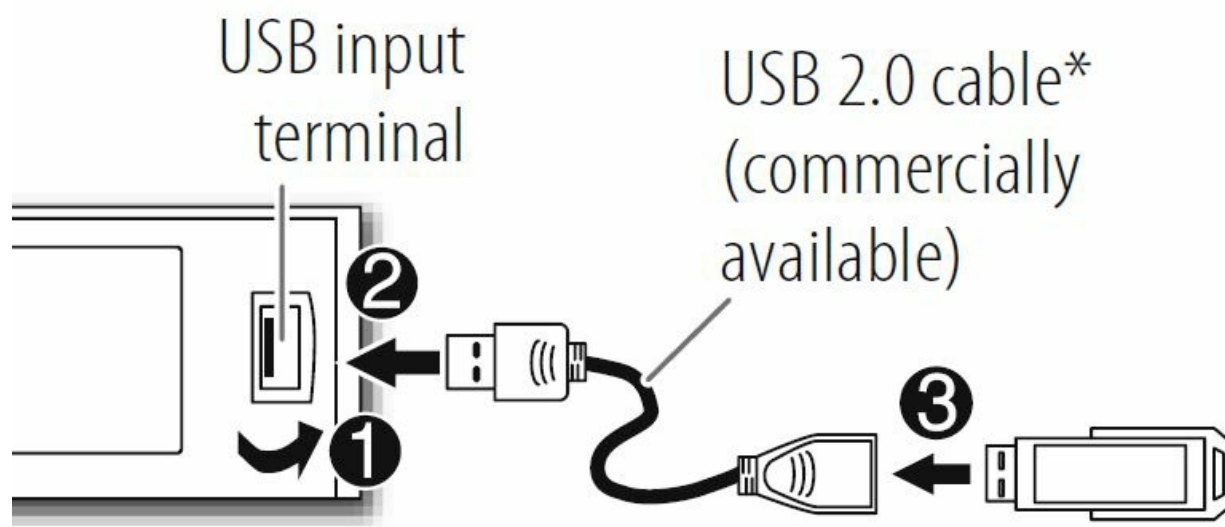
- "USB Reading" appears, the source changes to [USB], and playback starts.
- * Do not leave the cable inside the car when not using it.

Folder no. / Total folder number (MP3/WMA)

Source ([DISC] or [USB])

HBS indicator (➜ 11)

Playback status (▶: play/❚❚: pause) / Playing time / Total playing time

Track/file no. / Total track/file number

Track/file information

Sound mode indicator (➜ 11)

Playback mode

Audio playback screen

015/200   012/128   AM 10:36

Song Name
Artist Name
Album Name

DISC   HBS   Pop

02:32   06:32

CD/MP3/WMA

To	Do this
Play/pause	Press ▶/❚❚.
Select a track/ file	Press ∨ ◄◄/▶▶❘ ∧ repeatedly.
Reverse/Fast- forward	Press and hold ∨ ◄◄/▶▶❘ ∧.

Select a file from a list	1 Press **LIST** to display [LIST] menu.
	2 When the disc/device contains different types of files: Press **LIST** repeatedly to select the file type ([♪]).
	3 Turn the volume knob to select an item, then press the knob.
	  1.MP3/WMA: Select a folder (if contained).
	  2.Select a track/file.
	• If no operation is done for about 10 seconds, the operation will be canceled.
	• To return to the previous layer, press ∨ ◄◄.

Other settings—CD function/Media function

1. Press FUNC to display [CD function] (CD) or [Media function] (MP3/WMA) menu.
2. Turn the volume knob to select the item to set (see the table below), then press the knob to make a selection.
3. Press ↩ to exit.

- If no operation is done for about 10 seconds, the operation will be canceled.

Default: XX

Repeat	**All**: Repeats all tracks/files. (⊞ indicator lights up.) **One**: Repeats current track/file. (⊡ indicator lights up.) **Folder**: Repeats all files in the current folder. (⊞ indicator lights up.)
Random	**OFF**: Normal playback. **ON**: Randomly plays all tracks/files. (⤨ indicator lights up.)

- You cannot activate repeat mode and random mode at the same time. ([OFF] is automatically selected for the previously activated mode.)

- If both the repeat mode and random mode are set to [OFF], the unit repeats all tracks/files ⊞ (indicator lights up.)

Playback information
- DVD Video: Title no./Chapter no./Playing time
- VCD/MPEG1/MPEG2/MPEG4: Playing time

For DVD/VCD/MPEG1/MPEG2/MPEG4: On-screen information is displayed by pressing **DISP** on the remote control.

TT:00/10   CH:00/02   00:10:35

Video playback screen

DVD/VCD/MPEG1/MPEG2/MPEG4/JPEG

To	Do this
Play/pause	Press ▶/Ⅱ.
Select a chapter/track/file	Press ⌄ ◄◄/►► ⌃ repeatedly.
Reverse/Fast-forward	Press and hold ⌄ ◄◄/►► ⌃. • Each time you press the button, the search speed changes.
Select an item from the disc menu/list	1 Press **LIST**. DVD: Disc menu is displayed. VCD with PBC: PBC menu is displayed. • For VCD without PBC, the playback is started from the 1st track. MPEG1/MPEG2/MPEG4/JPEG: **[LIST]** menu is displayed. 2 When the disc/device contains different types of files: Press **LIST** repeatedly to select a playback file type ([▦]: video file/[▦]: picture file). 3 Turn the volume knob to select an item, then press the knob. Repeat the procedure until playback starts. • If no operation is done for about 10 seconds, the operation will be canceled. • To return to the previous layer, press ⌄ ◄◄. • DVD/VCD: To exit, press ⤺.

Playback file type
♪: Audio
▦: Picture
▦: Video

[LIST] menu screen
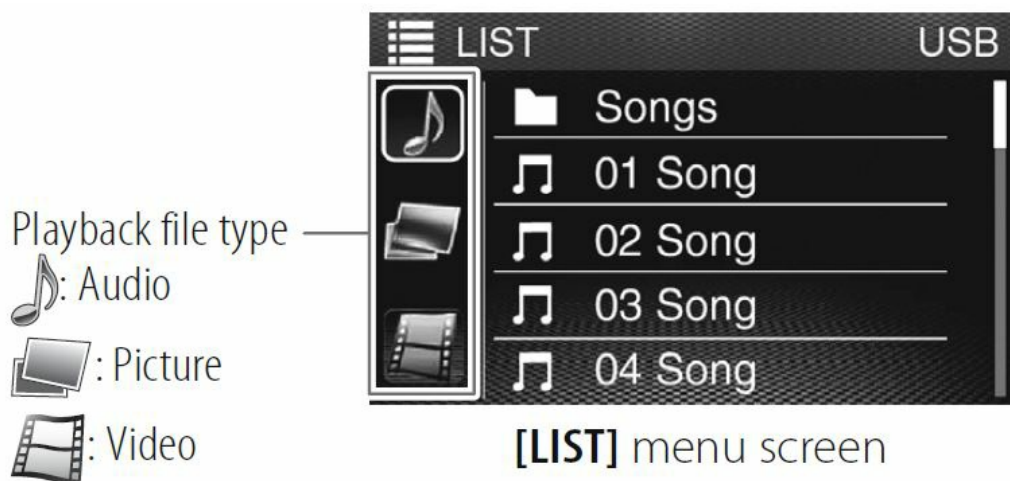
Various disc operations from the remote control (RM-RK257)

Display the playback information	Press **DISP**. • To erase, press the button again.
Display the disc menu (DVD)	Press **DVD MENU** or **TOP MENU**.
Search for a chapter/ title/scene directly (DVD)	**1** Press **GOTO**. • Each time you press the button, the target item switches between chapter, title, and time. **2** Press the number button to select a chapter/title/scene. **3** Press **ENTER**.
Select the track from PBC menu (VCD)	Press **LIST** to display the PBC menu, then press the number button to select a track.
Select audio language	Press **DVD AUDIO** repeatedly.
Select subtitle language	Press **SUBTITLE** repeatedly.
Select view angle	Press **ANGLE** repeatedly.
Magnify the picture	Press **ZOOM** repeatedly.

Other settings—DVD function/VCD function/Media function

1. Press FUNC to display the [DVD function] (DVD), [VCD function] (VCD), or [Media function] (MPEG1/MPEG2/MPEG4) menu.
2. Turn the volume knob to select the item to set (see the table below), then press the knob to make a selection.
3. Press to exit.
   - If no operation is done for about 10 seconds, the operation will be canceled.

Default: XX

DVD/VCD/MPEG1/ MPEG2/MPEG4	Repeat	DVD	**OFF**: Normal playback. **Ch**: Repeats current chapter. **Tt**: Repeats current title.
		VCD	**All**: Repeats all tracks/files. **One**: Repeats current track/file.
		MPEG1/MPEG2/ MPEG4	**All**: Repeats all tracks/files. **One**: Repeats current track/file. **Folder**: Repeats all files in the current folder.
DVD	DVD Audio	Selects the audio language.	
	Subtitle	Selects the subtitle language.	
	Angle	Selects the view angle.	
	Aspect Ratio	**16:9** / **4:3**: Selects the aspect ratio.	
VCD	Channel	**Stereo** / **Left** / **Right**: Selects the audio channel.	
	PBC	**ON**: Activates the PBC function. **OFF**: Deactivates the PBC function. • When PBC is activated, repeat mode is automatically deactivated (**[Off]**).	
All discs/files	Brightness	**−00 — +08 (04)**: Adjusts the brightness.	
	Contrast	**−00 — +08 (04)**: Adjusts the contrast.	
	Color	**−00 — +08 (04)**: Adjusts the colors.	
	Default	Restores the default settings.	

External Components

Use a portable audio player (AUX)

Front AUX source screen
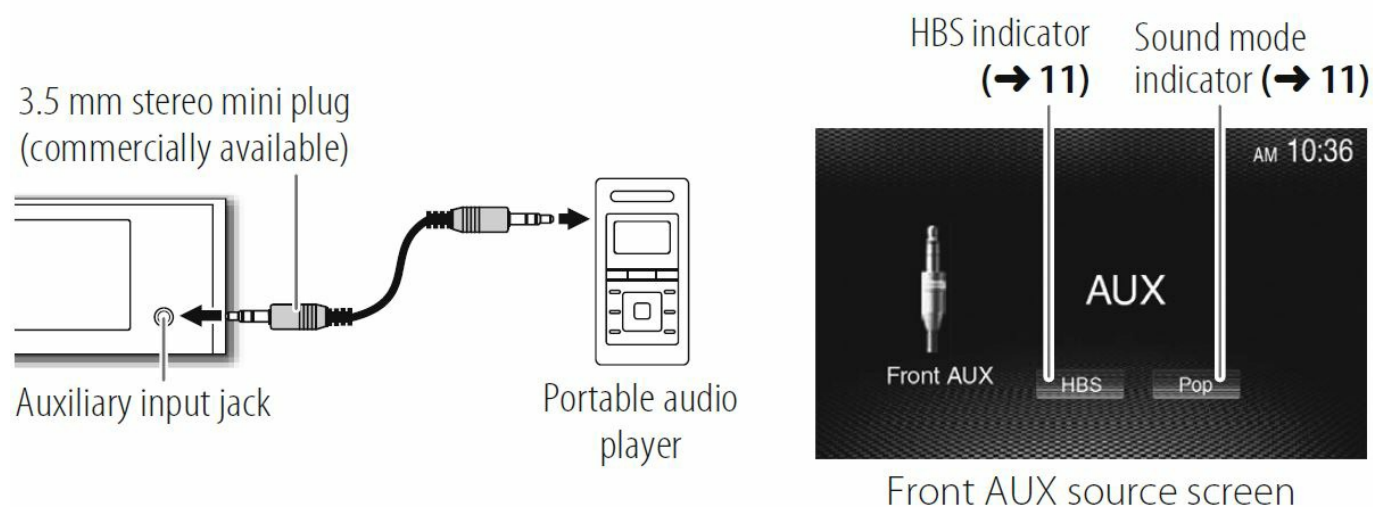
1. Connect a portable audio player (commercially available).

2. Press /SOURCE repeatedly to select [Front AUX].

3. Turn on the portable audio player and start playback.
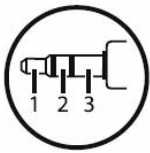
- Use a 3-core plug head stereo mini plug for optimum audio output.

Use a rear view camera

Rear view screen

To use a rear view camera, the REVERSE GEAR SIGNAL wire connection is required. For details, see "Installation/Connection". (→ 17) When a rear view camera is connected, the rear view screen is displayed when you shift the gear to the reverse (R) position.

- Check the safety of your surroundings with your eyes before backing up.

Sound/Display/Other Settings
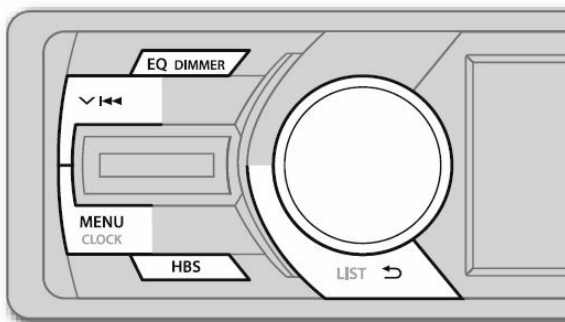
Setting menu

Select a preset equalizer (EQ)

Press EQ repeatedly to select a preset sound mode — [Flat] (default)/[Pop]/[User]/[Techno]/[Rock]/[Classic]/[Jazz]/[Optimal]. (Corresponding sound mode indicator lights up.)

Store your own sound settings

1. Press EQ repeatedly to select [User].
2. Press MENU to display the top menu screen.

3. Turn the volume knob to select [Setting], then press the knob to display the setting menu.

4. Check that [ ] ([Setting / Audio]) is selected, then press the knob.

5. Turn the volume knob to select the item to set ([Bass]/[Treble]), then press the knob.

6. Turn the volume knob to adjust the value, then press ∨ ⏮.

7. Repeat steps 5 and 6 to adjust the value for other settings.

8. Press ⬑ to exit.

   - The setting is stored to [User] in EQ.

- If no operation is done for about 10 seconds, the operation will be canceled.

- To return to the previous layer, press ∨ ⏮.

Activate HBS (Hyper Bass Sound)

Press HBS. (HBS indicator lights up.)

- To cancel, press the button again.

Change the display brightness (Dimmer)

- Press and hold DIMMER repeatedly to select [Dimmer Low] or [Dimmer High].

Change the general settings/check information on the [Setting] menu

1. Press MENU to display the top menu screen.

2. Turn the volume knob to select [Setting], then press the knob to display the setting menu.

3. Turn the volume knob to select the category (: [Setting / Audio]/ : [Setting / General]), then press the knob.

4. Turn the volume knob to select the item to set (see the table below), then press the knob.

5. Turn the volume knob to change the setting, then press the knob.

- If no operation is done for about 10 seconds, the operation will be canceled.

- To return to the previous layer, press ∨ ⏮.

- To exit, press ⬑.

Setting / Audio (🔊)	
Bass	−06 —— +06 (<u>00</u>): Adjusts the sound elements of the bass tone.
Treble	−06 —— +06 (<u>00</u>): Adjusts the sound elements of the treble tone.
Fader	R12 —— F12 (<u>00</u>): Adjusts the front and rear speaker output balance.
Balance	L12 —— R12 (<u>00</u>): Adjusts the left and right speaker output balance.

Setting / General (⚙)	
Beep	<u>ON</u> / **OFF**: Activates or deactivates the keypress tone.
Time	<u>12 Hour</u> / **24 Hour**: Selects time format. **Adjust**: .Adjusts the clock.

More Information

About discs

- Playable discs:

Disc type	Recording format, file type, etc.
DVD • DTS sound cannot be reproduced or emitted from this unit.	DVD Video*1
DVD Recordable/Rewritable (DVD-R/-RW*2**, +R/+RW***3**)** • DVD Video: UDF bridge • MPEG1/MPEG2/MPEG4/JPEG/ MP3/WMA: ISO 9660 level 1, level 2, Romeo, Joliet	• DVD Video • MPEG1/MPEG2/ MPEG4 • JPEG • MP3/WMA
Dual Disc	DVD side
CD/VCD	• VCD (Video CD) • Audio CD/CD-DA
CD Recordable/Rewritable (CD-R/-RW) • ISO 9660 level 1, level 2, Romeo, Joliet	• VCD (Video CD) • CD-DA • MPEG1/MPEG2/ MPEG4 • JPEG • MP3/WMA

1. ***1 DVD Video Region Code:**
   - **North America area:** 1

- **South America area:** 4
- **South East Asia area:** 3
- **India/Russia/Ukraine:** 5

2. ***2** DVD-R recorded in multi-border format is also playable (except for dual layer discs). DVD-RW dual layer discs are not playable.

3. ***3** It is possible to play back finalized +R/+RW (Video format only) discs. "DVD" is selected as the disc type when a +R/+RW disc is loaded. +RW double layer discs are not playable.

- **Unplayable discs:**
  - DVD-Audio, DVD-ROM (data), DVD-RAM, DVD+R/ DVD+RW recorded in the DVD-VR/DVD+VR format, DTS-CD, SVCD (Super Video CD), CD-ROM, CD-I (CD-I Ready), etc.
  - Discs that are not round.
  - Discs with coloring on the recording surface or discs that are dirty.
  - Recordable/ReWritable discs that have not been finalized.
  - 8 cm CD. Attempting to insert using an adapter may cause malfunction.
- **DualDisc playback:** The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non- DVD side of a DualDisc on this product cannot be recommended.

About USB devices

- This unit can play MPEG1/MPEG2/MPEG4/JPEG/MP3/ WMA files stored on a USB mass storage class device.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Connecting a cable whose total length is longer than 5 m may result in abnormal playback.
- The maximum number of characters for:
  - **Folder names:** 50 characters
  - **File names:** 50 characters
  - **MP3/WMA Tag:** 50 characters
- This unit can recognize a total of 65 025 files, 255 folders (255 files per folder including folder without unsupported files), and of 8 hierarchies.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1 A.

About files

- Playing MPEG1/MPEG2/MPEG4 files:
  - This unit can play back MPEG1/MPEG2/MPEG4 files with the extension code <.mpg>, <.mpeg> or <.avi>.
  - The stream format should conform to MPEG system/program stream. The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/ MP@LL (Main Profile at Low Level)/ MPEG-4 SP (Simple Profile).
  - Audio streams should conform to MPEG1 Audio Layer-2, Dolby Digital or MP3.
  - The maximum bit rate for video signals (average) is 4 Mbps.
  - The file encoded in the interlaced scanning mode may not be played back correctly.
- Playing JPEG files:
  - This unit can play back JPEG files with the extension code <.jpg>.

- This unit can play back JPEG files that are at 32 x 32 to 8 192 x 7 680 resolution. It may take time to display the file depending on its resolution.
  - This unit can play back baseline JPEG files. Progressive JPEG files or lossless JPEG files cannot be played.
- Playing MP3/WMA files:
  - This unit can play back files with the extension code <.mp3> or<.wma> (regardless of the letter case—upper/lower).
  - This unit can play back the files meeting the conditions below:
    - **Bit rate:** 32 kbps – 320 kbps
    - **Sampling frequency:** 8 kHz – 48 kHz
  - This unit can show ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
  - This unit can also show WMA Tag.
  - This unit can play back files recorded in VBR (variable bit rate).
  - Files recorded in VBR have a discrepancy in elapsed time indication.
  - This unit cannot play back the following files:
    - MP3 files encoded with MP3i and MP3 PRO format.
    - MP3 files encoded with Layer 1/2.
    - WMA files encoded with lossless, professional, and voice format.
    - WMA files which are not based upon Windows Media® Audio.
    - WMA files copy-protected with DRM.

About iPod/iPhone

- Made for
  - iPod touch 4th generation
  - iPod touch 3rd generation
  - iPod touch 2nd generation
  - iPod classic
  - iPod nano 6th generation
  - iPod nano 5th generation
  - iPod nano 4th generation
  - iPod nano 3rd generation
  - iPhone 4S
  - iPhone 4
  - iPhone 3GS
  - iPhone 3G
- The song order displayed on the selection menu of this unit may differ from that of the iPod/iPhone.
- Video playback is not compatible with this unit.

Maintenance
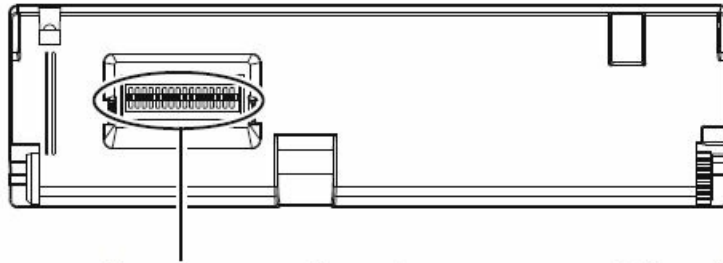
Connector (on the reverse side of the faceplate)

- **Cleaning the unit:** Wipe off dirt on the faceplate with a dry silicon or soft cloth.
- **Cleaning the connector:** Detach the faceplate and clean the connector gently with a cotton swab, being careful not to damage the connector.

Handling discs:

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Clean from the center of the disc and move outward.
- Clean the disc with a dry silicon or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove burrs from the center hole and disc edge before inserting a disc.

Troubleshooting

Symptom / Remedy

General	Sound cannot be heard.	• Adjust the volume to the optimum level. • Check the cords and connections.
	"PARKING is not enabled. No video while driving." appears and no playback picture is shown.	Parking brake is not engaged.
	The unit does not work at all.	Reset the unit. **(→ 4)**
	The remote control does not work.	Replace the battery.
	Playback source cannot be selected.	The source is not ready. Insert a disc or connect a device beforehand.
Tuner	Radio reception is poor. / Static noise while listening to the radio.	• Connect the antenna firmly. • Pull the antenna out all the way.
iPod/iPhone	The iPod/iPhone does not turn on or does not work.	• Check the connection between this unit and the iPod/ iPhone. • Check whether the control mode is appropriate. **(→ 7)** • Detach and reset the iPod/iPhone using hard reset.
	Sound id distorded.	Deactivate the equalizer either on this unit or the iPod/ iPhone.

	Recordable/Rewritable discs cannot be played back. / Tracks on the Recordable Rewritable discs cannot be skippped.	• Insert a finalized disc. • Finalize the discs with the component which you used for recording.
	"DVD Region Error" appears and DVD-Video does not play.	Insert a disc with the correct Region Code.
	Playback order is not as intended.	The playback order is determined by the file name (USB) or the order in which files were recorded (disc).
	Elapsed playing time is not correct.	This depends on the recording process used.
	Playback does not start or the track is skipped.	• Check whether the track is a playable format. (➜ 12) • Record the tracks using a compliant application on the appropriate discs. • Add appropriate extension codes to the file name.
	It takes a long time to read the file.	• Do not use too many hierarchical levels and folders. • Reload the disc or reattach the USB device.
	Connected device cannot be detected.	• Check whether the connected device is compatible with this unit and ensure the files are in supported formats. (➜ 12) • Reattach the device.

Specifications

Amplifier	Maximum Power Output	Front/Rear	50 W per channel
	Continuous Power Output (RMS)	Front/Rear	20 W per channel
	Load Impedance	4 Ω (4 Ω to 8 Ω allowance)	
	Audio Output Level (REAR OUT)	Line-Out Level/ Impedance Output Impedance	2.5 V/10 kΩ load (full scale) 1 kΩ
	Video Output (composite) (VIDEO OUT) Video-out Level/ Impedance	Color System	NTSC 1 Vp-p/75 Ω
	Other terminals	Input	Camera In, USB input, AUX, Antenna input

Tuner	FM	Frequency Range	With channel interval set to 50 kHz	87.5 MHz to 108.0 MHz
		Usable Sensitivity	9 dBf (0.8 μV/75 Ω)	
		50 dB Quieting Sensitivity	14 dBf (1.8 μV/75 Ω)	
		Alternate Channel Selectivity	65 dB (at 400 kHz)	
		Frequency Response	35 Hz to 14 000 Hz	
		Stereo Separation	42 dB	
	AM	Frequency Range	With channel interval set to 9 kHz	520 kHz to 1 620 kHz
		Sensitivity/Selectivity	20 μV/55 dB	

USB	USB Standard	USB 1.1 Full Speed
	Compatible Device	Mass storage class
	Compatible File System	FAT 32/16/12
	Maximum Supply Current	DC 5 V ⎓1 A

DVD/CD player	Signal Detection System	Non-contact optical pickup (semiconductor laser)
	Frequency Response	DVD, fs=48 kHz/96 kHz 17 Hz to 20 000 Hz
		VCD/CD 17 Hz to 20 000 Hz
	Dynamic Range	90 dB
	Signal-to-Noise Ratio	80 dB
	Wow and Flutter	Less than measurable limit

Monitor	Screen Size	3 Inch wide liquid crystal display
	Number of Pixels	320 pixels x 240 pixels
	Drive Method	TFT (Thin Film Transistor) active matrix format
	Color System	PAL/NTSC
	Aspect Ratio	16:9 (wide)

General	Power Requirements (Operating Voltage)		DC 14.4 V (11 V to 16 V allowance)
	Grounding System		Negative ground
	Allowable Storage Temperature		$-10°C$ to $+60°C$
	Allowable Operating Temperature		$0°C$ to $+40°C$
	Dimensions (W × H × D)	Installation Size (approx.)	182 mm × 52 mm × 167 mm
		Panel Size (approx.)	171 mm × 48 mm × 34 mm
	Weight (excluding accessories)	1.2 kg	

Subject to change without notice.

Installation/Connection

Warning

- The unit can only be used with a 12 V DC power supply, negative ground.
- Disconnect the battery's negative terminal before wiring and mounting.
- Do not connect Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent a short circuit.
- Insulate unconnected wires with vinyl tape to prevent a short circuit.
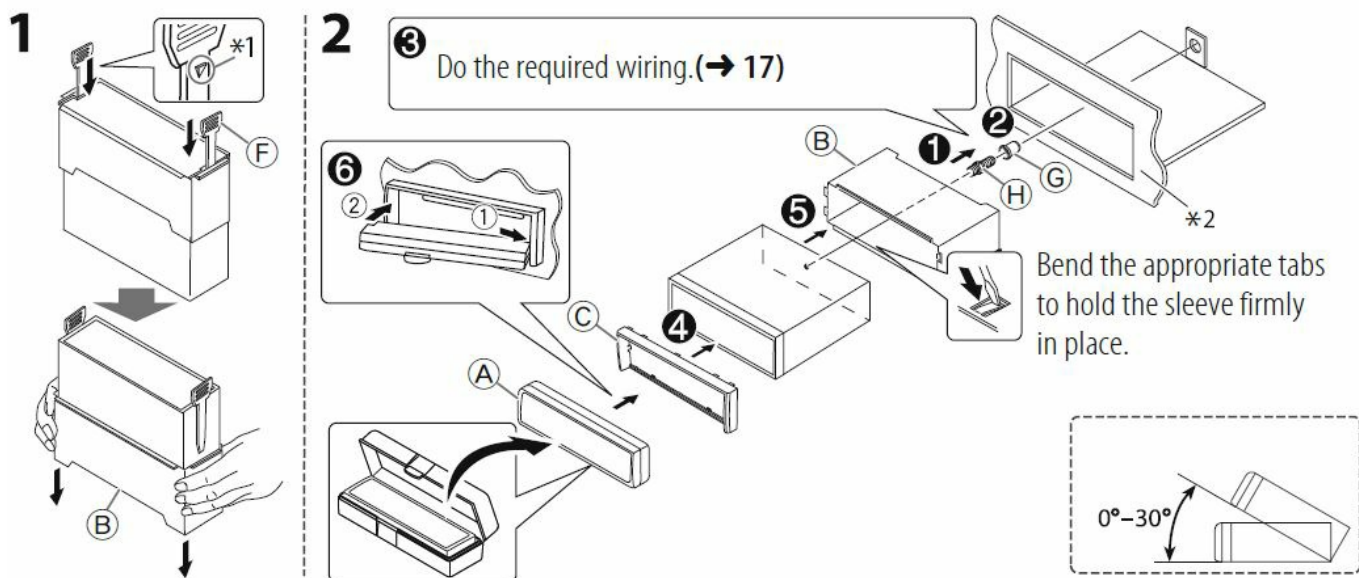- Be sure to ground this unit to the car's chassis again after installation.

Caution

- For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.
- Install this unit in the console of your vehicle. Do not touch the metal parts of this unit during and shortly after use of the unit. Metal parts such as the heat sink and enclosure become hot.
- Do not connect the **–** wires of speaker to the car chassis, Ground wire (black), or in parallel.
- Mount the unit at an angle of less 30°.
- If your vehicle wiring harness does not have the ignition terminal, connect Ignition wire (red) to the terminal on the vehicle's fuse box which provides 12 V DC power supply and is turned on and off by the ignition key.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- If the fuse blows, first make sure the wires are not touching car's chassis, then replace the old fuse with one that has the same rating.

Basic procedure

1. Remove the key from the ignition switch, then disconnect the · terminal of the car battery.
2. Connect the **–** wires properly.
   - See Wiring connection.
3. Install the unit to your car.
   - See Installing the unit (in-dash mounting).
4. Connect the **–** terminal of the car battery.
5. Reset the unit.

Installing the unit (in-dash mounting)

1

*1

F

B

2

❸ Do the required wiring.(➔ 17)

❻

②

①

A

C

❹

B

❶

❷

H

G

❺

*2

Bend the appropriate tabs to hold the sleeve firmly in place.

0°–30°

When installing without the mounting sleeve

Flat head screws (supplied (Ⅰ): M5 × 8 mm) or round head screws (not supplied: M5 × 6 mm)

Pocket

Bracket (not supplied)

8 mm   6 mm
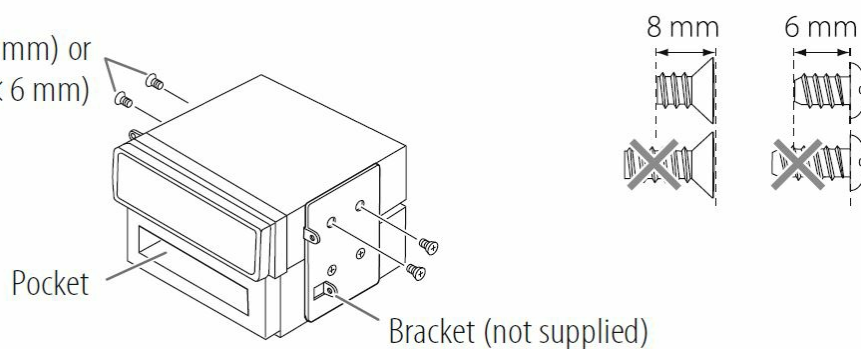
How to remove the unit

❶

①

②

F

②

❸

C

A

*1
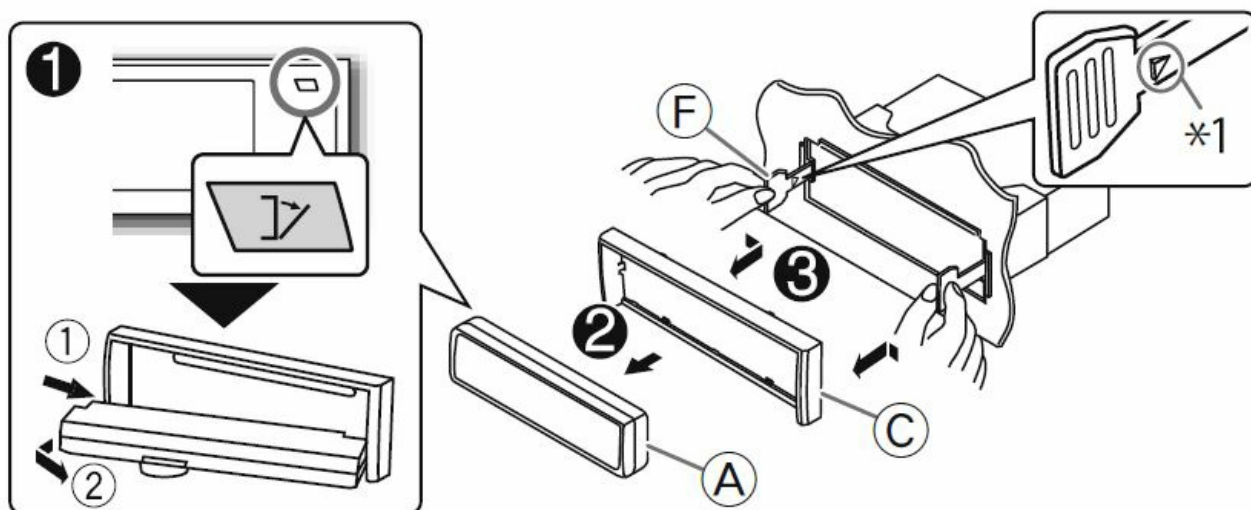
1. Face the side with the protrusion inside when inserting the extraction keys.

2. If the panel opening of your vehicle is too small to fit the unit, trim the upper and lower sides of the panel opening about 0.5 mm to 3 mm.

Wiring connection

Audio output (Rear)
Video output*
Video Out
L
R
Rear Camera In
Rear view camera input

Purple/White
To reverse lamp (required when using a rear view camera)
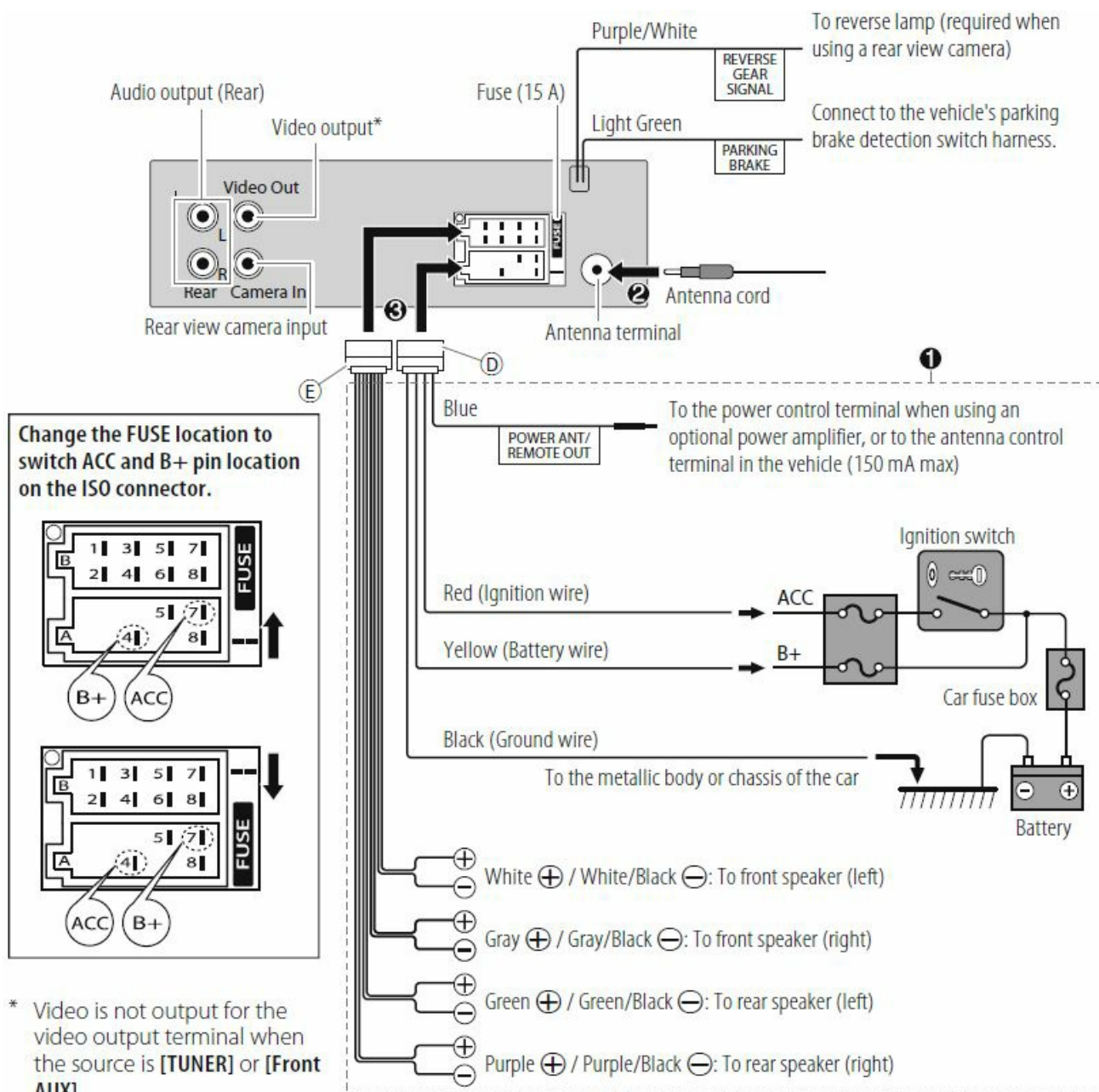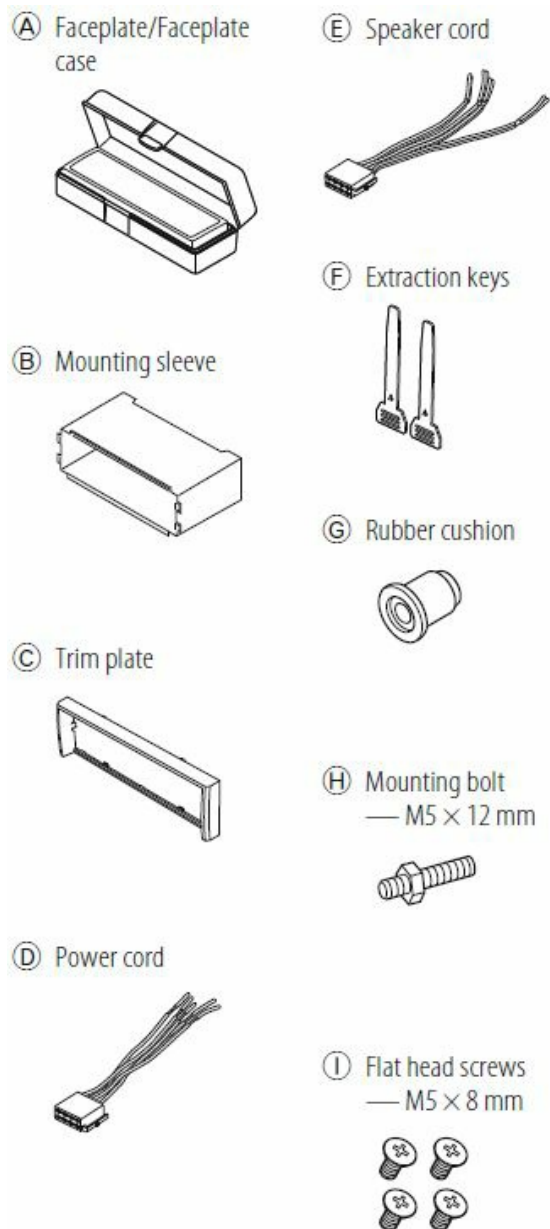REVERSE GEAR SIGNAL

Fuse (15 A)
Light Green
PARKING BRAKE
Connect to the vehicle's parking brake detection switch harness.

❸
Antenna terminal
❷ Antenna cord

Change the FUSE location to switch ACC and B+ pin location on the ISO connector.

| B | 1 | 3 | 5 | 7 |
| | 2 | 4 | 6 | 8 |
FUSE
| A | | | 5 | 7 |
| | 4 | | | 8 |
B+ ACC

B	1	3	5	7
	2	4	6	8
A			5	7
	4			8
FUSE
ACC B+

* Video is not output for the video output terminal when the source is [TUNER] or [Front AUX].

❶

Blue
POWER ANT/ REMOTE OUT
To the power control terminal when using an optional power amplifier, or to the antenna control terminal in the vehicle (150 mA max)

Ignition switch

Red (Ignition wire)   ACC

Yellow (Battery wire)   B+
Car fuse box

Black (Ground wire)
To the metallic body or chassis of the car
Battery

White ⊕ / White/Black ⊖: To front speaker (left)

Gray ⊕ / Gray/Black ⊖: To front speaker (right)

Green ⊕ / Green/Black ⊖: To rear speaker (left)

Purple ⊕ / Purple/Black ⊖: To rear speaker (right)

Parts list for installation

Ⓐ Faceplate/Faceplate case
Ⓔ Speaker cord
Ⓑ Mounting sleeve
Ⓕ Extraction keys
Ⓖ Rubber cushion
Ⓒ Trim plate
Ⓗ Mounting bolt — M5 × 12 mm
Ⓓ Power cord
Ⓘ Flat head screws — M5 × 8 mm

Documents / Resources

JVC KD-AV300	**JVC KD-AV300 Monitor With DVD Receiver** [pdf] Instruction Manual KD-AV300, KD-AV300 Monitor With DVD Receiver, Monitor With DVD Receiver, DVD Receiver, Receiver

References

- Ⓜ **Manual-Hub.com - Free PDF manuals!**
- **User Manual**