axis AX1860NAV ANDROID MULTIMEDIA RECEIVER Instruction Manual

INSTRUCTION MANUAL

AX1860NAV
12/24V 6.2'' ANDROID MULTIMEDIA RECEIVER

Contents

SPECIFICATIONS

GENERAL
– 6.2" Capacitive Touch LCD
– Android 8.1.0 OS
– Cortex A7 Quad Core T3 1.2Ghz
– 1GB DDR3 RAM
– 32GB Flash
– Steering Wheel Control (Programmable)
– 11-28V DC Voltage Range
– -20° to +60°C Operating Temp
– 170W x 97Hmm Nose
– 178W x 103H x 98Dmm Overall

AUDIO
– 4 x 45W Max Power (24V)
– 7 x EQ Presets
– 1 x Custom 12 Band EQ with Q Value Adjust
– Subwoofer Control: 80/120/160Hz Level Adust
– Loud/Mute
– 2 x RCA Pre-out
– 1 x Sub-RCA Pre-out

TUNER
– Elite RDS AM/FM
– FM 87.5-108MHz; AM522-1710KHz
– 30 Presets (18 FM/12 AM)

MULTIMEDIA
– Built-in WiFi
– Included Apps: Spotify, Chrome, Waze, Google Maps, YouTube
– Mirror Link: Android Display & 2-Way Control via USB
Apple & Android Display only via WiFi
– 32GB Internal Storage
– Supports External Hard Disk up to 1TB
– 3 x USB (2 x Rear, 1 Front)
– 1 x Micro SD Map Slot (Front)
– 1 x AUX Input (Front)
– 1 x A/V Input (Rear)
– 2 x Camera Input (Selectable)

– 1 x Video Output
– Audio Formats: MP3, WMA, AAC, WAV, OGG, FLAC, AC3
– Video Formats: 1080p, DivX, RMVB, MP4
– Image Formats: JPEG, BMP, GIF, PNG
NAVIGATION
– Includes: WAZE Navigation App, GOOGLE maps App
– Optional: iGo Primo Mapping, HEMA Explorer App

BLUETOOTH
– A2DP Audio Streaming
– Phonebook & Search
– External Mic

INCLUDED
– GPS Antenna
– ISO Wiring Harness
– Installation L Brackets
– 2 Year Warranty

User Manual Instructions

- Illustrations are used in this manual to explain operations and precautions.
- The illustrations used in this manual are only for reference.
- If the manual differs to the unit, it could be a result of factory improvements and updates. Please take the actual unit as the standard.


Warnings
To avoid any injury or damage to yourself, your car, and others, please make sure to do as following:

- Before using this unit, please read all related instructions carefully. Any damage to this unit caused by improper operation will void the warranty.
- In order to drive safely and not break traffic rules, please do not watch videos or operate the unit while driving.
- To avoid short circuits; please keep the unit away from fluids.
- To avoid short circuits, please do not place or insert any kind of metal object (such as a coin or metal tool) into the unit.
- Do not insert any objects into the ventilating slot or another opening of this unit.
- Please operate the unit as per this manual.
- Do not open the unit for maintenance. If any maintenance is needed, please visit an authorized service agent.
- After the car engine is off, please do not use the unit for an extended period of time, otherwise, the battery may be drained.
- Do not strike, rub, scratch, knock or press hard on the touch screen.

Cleaning the Unit

• If there is any dirt or marks on the front panel, clean the panel using a dry, soft cloth.
• If the panel is very dirty, clean the panel with mild detergent and then wipe the detergent with a clean soft cloth.
Be sure that no fluids enter the unit, as this will void the warranty.
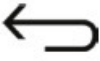

Panel Introduction
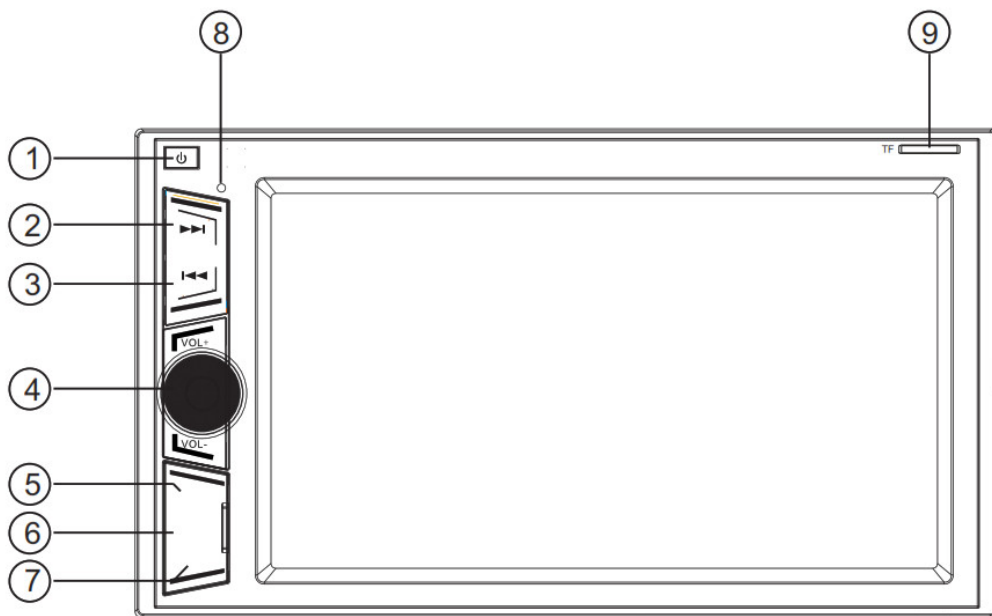
1. **Power On/Off:** Short press to turn on. Long press to turn off.

2. **Seek/Tune-Up (2. Seek/Tune-Up ►►I:** Short press for one forward frequency step tuning or next song in USB/SD mode. Long press for forwarding frequency scan.

3. **Seek/Tune Down I◄◄:** As above, but for reverse step/scan.

4. **Volume Knob:** Rotate to increase or decrease volume. Press to mute.

5. **USB Input (Behind Panel):** Multimedia file playback via USB.

6. **AUX Input (Behind Panel):** 3.5mm input for auxiliary audio.

7. **Reset Button (Behind Panel):** Press to reset the unit to factory default settings.

8. **N/A**

9. **Micro SD Mapping Card Slot:** Multimedia file playback via Micro SD card.

Main Screen Interface

After the unit is turned on, the system will enter Radio mode by default. Press the HOME icon to enter the Home Page.

1. Press the Home icon to go back to the home page.
2. Slide down here to reveal the Settings Icon, System Info & SD Card status.

   Press the down arrow (V) to access Wi-Fi settings, Hot Spot On/Off, Screen Shot, Clean Memory.
3. Press the image of the file to display open/running files & functions. Press the X symbol to close.
4. Press the ⟵ symbol to return to the previous.
5. Touch the icon to select your desired function.
6. Slide Left or Right to scroll through pages.

Functions – Home Page 1

Radio Function Operation
Tap the Radio icon on the Home Page to enter the radio interface.
Radio Band Select
Tap the AM or FM icon to switch the radio bands: FM1/FM2/FM3/AM1/AM2.
Tune and Seek

- Press the icon I◄ and ►I to tune frequency step by step.
- Press and hold the I◄ or ►I icon to seek automatically.
  Tuning will stop seeking when a station is found.
- Drag the orange curser along the frequency bar or tap on the frequency bar to quickly move to the desired frequency.

Auto-Search and Store

- Press the search icon 🔍 and the tuner will search all frequencies and auto store into presets.

LOC/DX

- Press the 📡 icon to select local or distance tuner setting.

RDS

- Press to turn On/Off the Radio Data System notifications.

Audio Settings

- Press the EQ icon to select preset EQ presets, adjust 12 Band EQ, EQ Q Value, Loudness, Fading, Balance, Sub On/Off, Sub Freq. Filter, Sub Level.

Bluetooth Phone
Tap the **Phone** icon on the Home Page to enter the phone interface.
Registering your Bluetooth device
1. Activate Bluetooth on your phone.

2. Touch "search".

3. Touch the Bluetooth Device name of your phone.

4. Type the pin code (default code is 0000 or 1234) on your phone.

Connecting your Bluetooth device

1. Activate Bluetooth on your phone.

2. Touch to see the existing registered Bluetooth device list.

3.Select the box of the Bluetooth device name to connect.

4. Type the pin code (default code is 0000 or 1234) on your phone.

Delete a registered device

1. Touch to see the registered Bluetooth device list.

2. Cross the box of the device name you wish to delete.

3. Touch the cross. You will be asked, "do you want to unpair the Device??".

4. Touch OK. The device will be deleted.

Hands-Free Call

1		Dial Panel
2		Phone book
3		Phone call record
4		Device list
		Settings

Making a Phone call

Touch for the keypad, type the phone number and touch to make a phone call. End the phone call by touching , and touch to switch to speaker.
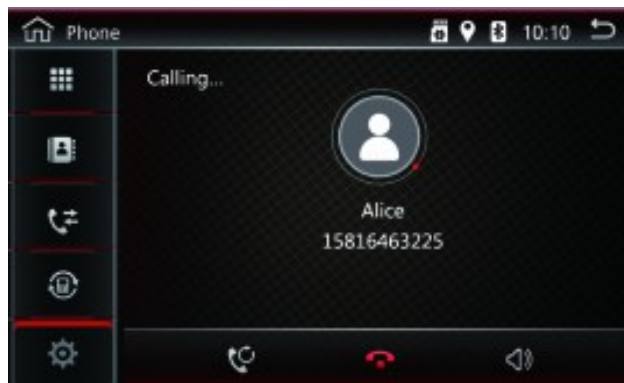
Bluetooth Music
Tap the BT Music icon on the Home Page to enter the BT audio interface. The unit will automatically start playing music from the paired device.
Tune and Seek

- Press the icon I◄ and ►I to skip forward or backtrack.
- Press the Pause/Play symbol accordingly. Compatible paired devices will display the Track title, Artist name, and Album name.

NOTE: For some mobiles, you may need to start the music app via your Device.
Must be paired via BT to the unit first. Refer to page 8.
WAZE Navigation App
Tap the Waze icon on the Home Page to activate the App.

- This unit is pre-loaded with WAZE Navigation APP.
- Waze is owned by Google and is the world's largest community-based traffic and navigation app. Unlike Google maps, Waze is designed to be a dedicated in-car navigation system.
- Join other drivers in your area who share real-time traffic and road info.
- Get alerted before you approach police, accidents, road hazards or traffic jams; all shared by other drivers in real-time, working together to get the best route.
- Simply connect the unit to a Wi-Fi signal or use your phone as a hot spot to get access to real-time information.
- WAZE will give you turn-by-turn navigation to your chosen destination and help you to avoid traffic jams and accidents etc. when it can.

WAZE Navigation Setup

- Turn on the device (smartphone etc.) Hotspot function.
- On the unit, access "Network & Internet" settings by sliding down the top menu (see page 6, point 2.)
- Select Wi-Fi and turn the Wi-Fi function on.

The unit will scan for available Wi-Fi connections. Select your Hotspot device and follow the password instructions.
The unit will say "Connected" when successful.
Press the Home icon to return to the home page, then select the Waze icon.
Then follow the Waze App setup steps and use information.

Navi

Tap the Navi icon on the Home Page to activate Google Maps.
*NOTE: The unit will need to be hot spot to a Wi-Fi device or Smart Phone.
Music Function

Tap the Music icon on the Home Page to enter the music stored.

- You can play audio files from a USB device or from the internal memory.
- When playing a music file that is not supported, the system will display "fail to play as the file format is not supported".
- Tap the I◄ or ►I icon to play the previous/next song.
- Tap the Pause icon to switch between Pause/Play.

Phone Mirroring Function

Tap the EasyConnection icon on the Home Page to enter the mirroring mode.

- This function allows you to view the phone's screen on the unit.
- Via USB:

Android phones* will display the phone's screen via USB and allow 2-way control of the phone via the unit's screen.

- Via Wi-Fi:

Apple & Android phones* will display the phone's screen via wireless Wi-Fi, but will not allow control of the phone via the unit's screen.
*NOTE: phone updates can affect the EasyConnection performance and compatibility.
Phone Mirroring Setup

Tap the EasyConnection icon on the Home Page to enter the mirroring mode.

- Select one of the 3 connects phones/modes.
- Follow the instructions highlighted.
- Press the Settings icon for more options.
  Press the ? icon for help

*NOTE: on Android phones, the USB debugging function will need to be enabled. This will be in the phone's settings. (under Developer Options, check your phone's manual for more information.)

Spotify

Tap the Spotify icon on the Home Page to listen to your favorite music.
*NOTE: The unit will need to be the hot spot to a WiFi device or Smart Phone.

Chrome

Tap the Chrome icon to search the internet.
*NOTE: The unit will need to be the hot spot to a Wi-Fi device or Smart Phone.

Front Camera

Tap the F. Camera icon to view the front-mounted camera (not Included)
• Touch the screen to display the top panel functions.
• Touch the Home icon to return to the menu.
• The image can be changed between normal or mirrored views via the Settings menu. (see pg. 2 of Home screen → Video)

Functions – Home Page 2

Settings
Tap the Settings icon to access all system settings.
• Video, General, Input Gain, Network & Internet, Apps & Notifications, Display, Storage, Security & Location, Users & Accounts, Accessibility, Google, System.
Aptoide Lite
Tap the Aptoide Lite icon to access downloadable Apps.
*NOTE: The unit will need to be the hot spot to a Wi-Fi device or Smart Phone.
YouTube
Tap the YouTube icon to access Videos & Music.
*NOTE: The unit will need to be the hot spot to a Wi-Fi device or Smart Phone.
ES File Explorer
Tap the ES File Explo… icon to access all stored and downloaded information.
Clock
Tap the Clock icon to set Alarm, Clock, Timer & Stopwatch functions.

Equalizer
Tap the EQ icon to set audio preferences.

EQ ICON SETTINGS:

- EQ Presets: Flat, Pop, Easy, Rock, Classical, Jazz.
- EQ User: Touch desired level of each selected frequency.

  The unit will display the frequency adjusted and the level adjusted to.

- Q value: Sets the width of the adjusted frequency- narrow or wide.

SPEAKER ICON SETTINGS:

- Loudness: On / Off

When set "On" frequencies are adjusted for enhanced listening at low volumes.

- Subwoofer: On / Off

Select the frequency range that will be sent to the Subwoofer output.
80Hz and lower
120Hz and lower
160Hz and lower
Select the Subwoofer Output Level.
0 – 14

- Fader / Balance

Touch on the desired location of your choice for a more focused listening position.
Touch the Center icon to revert to the default setting.
AUX
Tap the AUX icon to view and listen to the front 3.5mm A/V input.
Sound Recorder
Tap the Sound Reco… icon to record audible sound/speech.
Video
Tap the Video icon to view the video file stored in the unit's memory.
Maps
Tap the Maps icon to activate the Google Maps App.
*NOTE: The unit will need to be the hot spot to a Wi-Fi device or Smart Phone.

Functions – Home Page 3

Image
Tap the Image icon to view images stored in the unit's memory.
Logo Select
Tap the Logo Select icon to select a logo stored in the unit's memory (not included) to appear on the start-up screen.
SWC
Tap the SWC icon to program steering wheel functions into the unit.
• Connect the KEY 1 wire and KEY 2 wire of the unit's SWC line with the respective positive (+) SWC key wires in the vehicle.
If the vehicle only has one positive (+) SWC connection, connect only one Key wire (either 1 or 2) and insulate the other Key wire.
1. Press SWC to start.
2. To erase any existing SWC programming, press reset, and then press OK.
3. Press the function on the screen you wish to program.
4. Press and hold the corresponding button on the steering wheel.
(a red tick icon will appear when successfully programmed)
5. Repeat steps 3 & 4 for every button.
6. Press Save and Exit once every button has been programmed.

NOTE: This unit can be controlled by analog SWC signals only. If the vehicle has a digital SWC system, an SWC DAC adapter is required for compatibility. If the SWC function is not being used, please insulate all key wires.

SWC Questions
If this unit is only compatible with analog SWC systems, how do I tell if the vehicle has an analog or digital system?
Test 1 – Without the radio SWC wires are connected.
With an Ohm meter, probe the SWC positive and SWC negative connection on the vehicle. Press and hold a button on the steering wheel. If the resistance reading changes from an open circuit to a steady resistance reading, the SWC system is analog. If however, the reading changes from an open circuit to a pulsing or constantly changing reading while the button is held down firmly, the SWC system is digital. If your vehicle has more than one SWC positive connection, only half ofthe buttons on the steering wheel will be connected to each wire, in which case, you may have to try a few different buttons before you get a reading.
Test 2 – With the radio SWC wires connected.
With a voltmeter, probe the SWC positive and SWC negative connection, while the radio is on. Press and hold a button on the steering wheel. If the voltage reading drops from 3.3 volts to a lower voltage and remains at that voltage as long as the button is held down, the SWC system is analog. If the voltage reading starts jumping up and down while the button is held down firmly, the SWC system is digital. If your vehicle has more than one SWC positive connection, only half of the buttons on the steering wheel will be connected to each wire, in which case, you may have to try a few different buttons before you get a reading.
What can I do if the vehicle has a digital SWC system?
A CANBUS SWC adaptor will be required to convert the digital signals to analog signals.
What if the vehicle does not have any SWC functions or the SWC function is not needed?
Insulate the key wires.

The SWC wires are connected, but when a button is pushed during the programming procedure, there is no response from the radio screen.
The vehicle likely uses a digital SWC system, a SWC adaptor will be required.

All of the SWC buttons were successfully programmed, but 1 or more of the buttons do not work.
If 2 or more of the resistors in the steering wheel have resistance values that are too close to one another, the radio may register the different buttons as the same button, overwriting 1 or more of the programmed functions. If the radio is unable to distinguish 2 or more buttons, either the resistors in the steering wheel will need to be changed to more distinct values, or an SWC adaptor will be required.
Color LED
Tap the colored icon to make adjustments to the I◄ ◄ & ► ►I button backlighting.
• To active the I◄ ◄ & ► ►I button backlighting when the vehicle's lights turn on; connect the illumination wire to 12V.
• To active the I◄ ◄ & ► ►I button backlighting at all times; go to the Settings icon on the second Home page, then select General.
Under the Headlight Switch heading, select off.

Troubleshooting

Please refer to the troubleshooting issues below:

Issue	Reason	Remedy
Fails to turn on	The fuse is burnt out	Replace the fuse with the same value
	There is abnormality within the MPU	Disconnect power from unit to reset
All settings data is lost after the ignition switch is turned off	The vehicle's battery or fuse was replaced	Reset and save preferred settings
	Accessories and constant power wires are swapped	Connect accessories & constant power wires correctly
Poor Reception	Weak signal or poor antenna grounding	Check that the antenna is well-grounded (earthed)
	The vehicle has an amplified antenna system	Find the antenna power wire in the factory loom and connect to 12V accessories
No image	There is an abnormality with the MPU	Disconnect power from unit to reset
Fail to watch the video while driving	Watching video is not allowed during driving. Check transport laws in your area	Visit an authorized car audio installer in your area to verify laws and solution

WARRANTY

Congratulations on your purchase of a quality *axis* Mobile Entertainment System! You're joining thousands of satisfied customers who enjoy 8 experience the benefits of the products we distribute. In the unlikely event that some technical difficulty arises with your purchase, be assured that we are most anxious to see that the problem is quickly rectified to your satisfaction. Please familiarise yourself with the following simple conditions of our

warranty. This warranty covers faults through component failure or failure of the product to operate in accordance with published specifications. Product failure as a result of unreasonable environmental conditions, accident, misuse, improper installation. unauthorized repair. vehicle electrical or wiring faults or neglect etc, will not be covered by this warranty. Removal and Installation costs, if any, would be paid by the owner as well as any freight or postage costs of transporting the product to AudioXtra. AudioXtra shall not be liable or responsible for any loss of use of this product or any form of consequential loss.

CONSUMER WARRANTY

This product Is warranted by AudioXtra Pty Ltd to be free from defects in materials and workmanship under NORMAL USE for a period of TWENTY FOUR MONTHS from the date of purchase.
vining 30 MAYS OF PURCHASE DATF• Please return the unit for a replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date must accompany the products.
AFTER 30 MAYS OF PIIRCHASF OATF• Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorized center concerned with this repair. This proof should take the form of either:

1. The warranty card accompanying this product is stamped and dated by the dealer.

2. A Tax Invoice or Receipt showing full details of the original vendor, purchaser, model number, and serial number.

COMMERCIAL WARRANTY: A product used In or associated with a commercial application will carry a limited SIX MONTH warranty. An abnormal commercial application is one where usage, dust, vibration, heatrcold and other environmental conditions exist at an extreme level.
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Please complete the details below in the event of warranty service being required.

Purchaser's Name:_____

Purchaser's Address' _____

Model Number: _____AX1860NAV_   **Serial Number:**_____

Dealer Name' _____ **Date of Purchase:** / /

Dealer Address' _____

Invoice/Sales Docket no: _____

General Hints. To expedite service and prang return of the equipment. please:

a) Clearly describe the fault in detail
b) Safety **and Warily** pack the unit for transpon
c) Include your return address
d) Provide a pool of purchase dates as outlined above

Documents / Resources

	axis AX1860NAV ANDROID MULTIMEDIA RECEIVER [pdf] Instruction Manual AX1860NAV ANDROID MULTIMEDIA RECEIVER, AX1860NAV, ANDROID MULTIMEDIA RECEIVER