OWNER'S MANUAL

AMH-440BT
AMH-450BT

USB RECEIVER

WARNING!

PLEASE READ CAREFULLY BEFORE USING

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Trademarks and product names are used for editorial purposes only and for the benefit of such companies only.
The manufacturer does not accept any responsibility for the use of this manual and decisions based on its use.
In order to improve product quality, product specifications and features are subject to change without notice.

The Directive WEEE 2012/19/EU on waste electrical and electronic equipment.

Waste electrical equipment should not be disposed of with your other household waste. Please recycle it. Please contact your local authority for the required information.

All illustrations in this manual are schematic images of objects and may differ slightly from their real appearance.
Product service life - 3 years.

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Precautions

This user manual contains important safety advice and information on the correct use of the device. Please follow all instructions in this manual carefully.

1. While installing the device, avoid places with high temperature, humidity, or dusty places.

2. Make sure that the device and especially its installation accessories are out of the reach of children.

3. Do not drop the device and make sure do not hit it, as this may damage it.

4. The manufacturer will not be held liable for any loss of data caused by device damage, repairs or any other reason.

5. Do not disassemble the device yourself. This may void the warranty.

6. Do not use alcohol, solvents or gasoline for cleaning plastic parts and device. Use only dry soft cloth for cleaning.

7. Avoid contact with liquids.

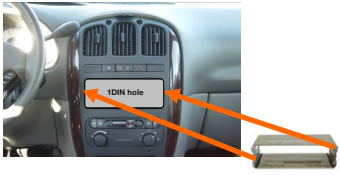
8. The product is designed for use with 12-volt negative-grounded electrical systems only. Using the device on systems with a positive ground and / or voltage other than 12 volts may damage the vehicle and the device.

Package bindle and installation

Open the package and make sure that inside include:

1. USB-receiver - 1piece
2. Remote control - 1 piece
3. Keys for receiver remove - 2 pieces
4. ISO - jack- 1 piece
5. Instruction
6. Guarantee

If the car has a standard 1DIN hole for installing the head unit, use it as described below.



1. Install the mounting cover into the 1DIN hole provided by the manufacturer. If the standard place has a 2DIN size, use adapter frames and adapters AURA brand

2. Use a screwdriver to pry out the metal tabs on the mounting cover to lock it in place.

3. Check electrical connections, ISO connector or individual wires (depending on the equipment of the specific car model).
If necessary, use ISO adapters AURA brand

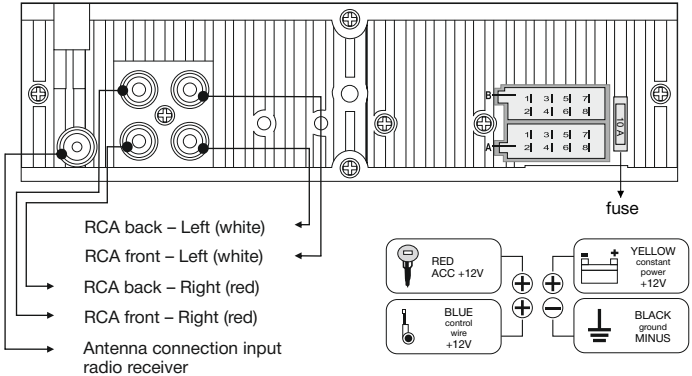
4. Connect the ISO connector to the device. And check the functionality of the system before fixing it in the mounting box.

5. Insert the device into the mounting cover and slide it inward until it clicks into place.

Connection

1. Make sure that the on-board voltage of your vehicle is +12 volts
2. Remove the fuse from the device before connecting the wires.
3. Connect the yellow **(A4)** wire to the +12 Volt DC power circuit.
4. Connect the red wire **(A7)** to the ACC terminal of the ignition switch.
5. Connect the black wire **(A8)** to the metal part of the car body.
6. Blue wire **(A5)** - Connect to the amplifier's remote turn-on input or the antenna motor control input.
7. Connect the orange wire **(A6)** to the circuit where +12 volts appears when the dimensions are turned on.
8. Connect the rest of the wires according to the diagram.

Note: every time the yellow wire is disconnected from the 12 volt power circuit or the battery terminal is removed, the device will revert to the factory settings.



A4 Battery + 12V DC
A5 + 12V control wire to control the motorized antenna and remotely turn on / off amplifiers or other active auxiliary devices. +12 VDC - connect to the remote turn-on input of the amplifier or the antenna motor control input (no more than 100 mA, 12 V).
A6 Dimmer. Connection to vehicle lighting control.
A7 ACC + 12V DC wire - Connect to a power source that can be turned on and off from the vehicle's ignition switch.
A8 Minus (ground) - connect to a metal part
car body or connect to the negative terminal of the battery.

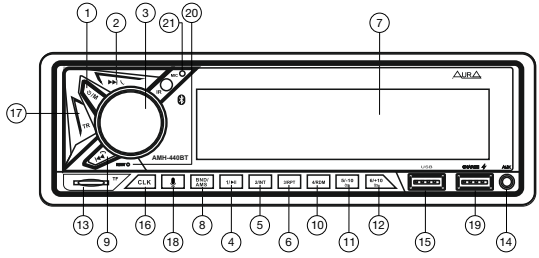
Front speakers
B3 Right channel + (grey)
B4 Right channel – (grey-black)
B5 Left channel + (white)
B6 Left channel – (white-black)

Back speakers
B1 Right channel + (purple)
B2 Right channel – (purple-black)
B7 Left channel + (green)
B8 Left channel – (green-black**)**

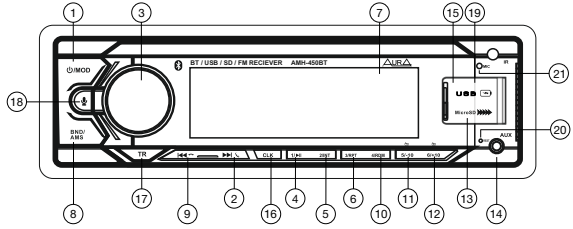
ATTENTION
DO NOT OPEN

Control elements

AMH-440BT

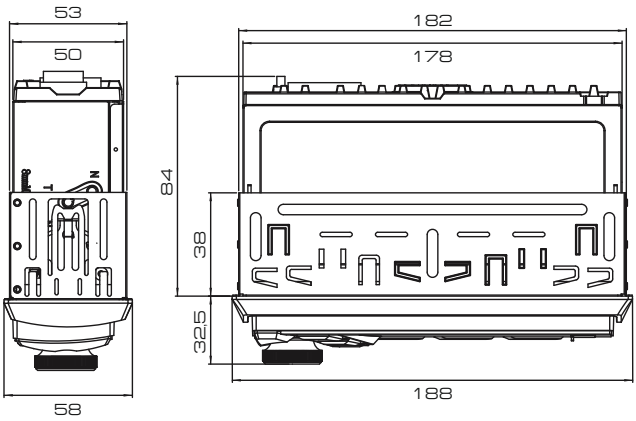


AMH-450BT



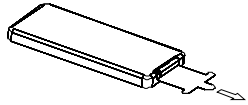
1. Button on. / off. power. Source selection.
2. Fast forward / select next song / pick up the handset.
3. Volume control / select button (SEL).
4. Preset button 1 / play / pause button.
5. Preset button 2 / Recording scan button.
6. Preset button 3 / repeat button.
7. Liquid crystal display.
8. Button for selecting radio frequency range / autosearch of stations (Bnd / Ams).
9. Button for fast reverse playback / select the previous track / hang up the handset.
10. Preset button 4 / Shuffle button.
11. Preset button 5 / Down button 10 songs.
12. Preset button 6 / Up button 10 songs.
13. Slot for microSD memory card.
14. AUX-IN socket.
15. USB port 1.
16. Clock setting button.
17. Backlight color selection button.
18. Call button for the voice assistant.
19. USB 2 port (only for charging mobile devices).
20. Button to reset the device to factory settings (Reset).
21. Built-in BT microphone.

Overall size



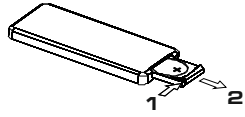
Remote control

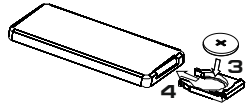
Removing the battery protection **(CR-2025)**.
Remote control supplied with battery protection.
The remote control will not work
until the protection is removed.



Battery replacement:

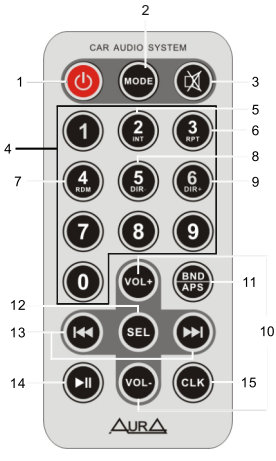
1. When the lithium battery has lost its capacity, replace it as shown in the illustration.
2. Press and hold the latch in direction indicated by arrow 1. Pull the holder at the same time from the remote control to direction of arrow 2.
3. Replace the old battery with a new one. Observe polarity! Make sure the (+) is on top!
4. Insert the battery holder into the remote remote control.





Remote control

1. ⏻ Turn on / off the device
2. Source selection
3. Muting the sound (Mute)
4. Radio preset buttons
5. Track scan mode (INT)
6. Repeat Mode (RPT)
7. Random Play Mode (RDM)
8. Go to the previous folder (DIR-)
9. Go to the next folder (DIR +)
10. Volume control
11. Switching radio bands (BND)
    / Automatic search and memorization stations (APS)
12. Function selection button
13. ⏮ Previous track / Rewind
    / Radio setup
    ⏭ Next track / Fast forward
    / Radio setup
14. ⏯ Pause
15. Clock setup



Using the remote control (RC):

- Place the emitting window of the remote control in the direction of the sensor window on the device.
- The working angle for receiving remote control signals is about 30 degrees.
- Distance between the emitting window of the remote control and the touch window of the device should be less than 5 meters.
- A depleted battery can damage the remote control.
- Keep batteries out of the reach of children!

Main functions

ONN / OFF Power
Press any button to turn on the device.
Press and hold the button (1) ⏻/**SRC**, to turn on the device.

Volume control
Rotate the volume knob (3) to set the desired level.

Source selection
Press the button (1) ⏻ **/ SRC**, to switch between playback sources:
Radio --> USB --> micro SD --> AUX in --> Bluetooth.

Voice assistant
Press the button (18)

Adjusting the sound parameters
Press the (3) SEL button on the front panel to select sound adjustment options.
The parameters are selected in the following sequence:
Volume -> BASS (bass) -> TRE (treble)
-> BAL (left and right balance) -> FAD (front and rear balance) -> EQ (equalizer setting).
Turn the volume knob (3) to adjust the selected parameter.

EQ - equalizer setting
Equalizer Presets: JAZZ / CLASS / ROCK / POP / USER
In USER mode, manual adjustment of a 10-band equalizer is available
(from -12 dB to +12 dB).
Tuning is possible at frequencies: 31, 62, 125, 250, 500 Hz, 1, 4, 8, 12, 16 kHz

Radio

Range selection
press the button (8) **BND**/**AMS**, to select the broadcast range
radio stations: FM1, FM2, FM3.

Radio

Storing and recalling radio stations
Press and hold one of the number buttons (1-6) to store the current radio station.
Press one of the number buttons (1-6) to recall the current radio station.
It is possible to store 6 radio stations in each broadcasting range.

Automatic station search
Press the button (9) ⏮ or (2) ⏭ to quickly search for stations.

Search and store stations automatically
Press and hold the button (8) **BND/AMS** more than 2 sec.
YThe device will quickly search and automatically store
18 FM radio stations with strong signals.

Manual station search
Press and hold more than 2 sec the button (9) ⏮ or (2) ⏭ to enter manual tuning mode.
Press the button (9) ⏮ or (2) ⏭ to change the frequency step by step.
Hold the button (9) ⏮ or (2) ⏭ to change the frequency step by step.

USB

Connect a USB storage device to the connector on the front of the device.
MP3, FLAC files will start playing automatically.
The USB connector supports charging mobile devices. Charging current - 1A.

Switching tracks
Press the button (9) ⏮ or (2) ⏭ to skip to the previous or next track.

Rewind
Press and hold the button (9) ⏮ or (2) ⏭ to rewind or fast forward.

Play/ pause
Press the button (4) ⏯ to stop playback.
Press again to resume playback.

Track scanning
Press the button (5) **INT** for sequential playback of 10 seconds of each track.
Click again to stop scanning.

Repeat
Press the button (6) **RPT**, to select the repeat play mode.

Shuffle play
Press the button (10) **RDM** дto turn on the random play mode.
Press again to disconnect.

Switching folders and tracks
Press the button (11) or (12) to move backward or forward 10 tracks.

Press and hold the button (11) or (12) to switch to the previous or next source folder.

BLUETOOTH

Pairing with your phone
Pair your phone with the AurA receiver:

1. Turn on Bluetooth on your mobile device.
2. Find the receiver in the list of available BT devices and connect to him.
   PIN-code for authorization: 1234.
3. In case of successful connection, the "BT" indicator on the display of the receiver will stop blinking and light up constantly.
4. The audio signal from the mobile device (music and calls) will be transmitted on the car speakers.

Outcoming call
Dial the subscriber's number on your phone. The call will be made through the speakerphone.

Incoming call
When there is an incoming call, the caller's number will be displayed on receiver screen. Press the button (2) to answer the call on handsfree communication.

End call
To reject an incoming call or end a conversation, press the button (9)

Calling the last dialed number
Press and hold the button (2) on the receiver to call the last number in the list of outgoing calls on your phone.

Bluetooth music (A2DP)

Your receiver supports the Bluetooth A2DP audio transmission protocol.
After successfully pairing your mobile device with the receiver, you will be able to play music from your phone on the car audio system.
To switch tracks, press buttons (9) ⏮ or (2) ⏭ .
Press the (4) ⏯ button to stop playback.

AUX

You can connect an external source to the 3.5mm jack on the front of the receiver using the AurA AUX cable (optional).

Reset settings (reset)

Press the button (20) **reset** to reset the device to factory settings.

Phone app

Most of the device settings are available in the AurA mobile application for Android or IOS.
Вы можете управлять ресивером со своего смартфона:

1. Install the AurA app from Google Play or App Store.
2. Connect your smartphone to the receiver via Bluetooth.
3. Launch the AurA app to control the receiver.

App Store

Google Play

Note:
When the power is turned off, the settings of all parameters are saved in the memory of the device.
When the vehicle battery is disconnected or the device is restarted with the Reset button, all parameters will be restored to their factory settings.
If any of the preset equalizer (EQ) modes is selected, the BASS and TREBLE parameters are not adjustable. If within a few seconds after the selection the parameter is not set, the device will automatically exit the setting mode and return to the current operating mode.

Technical features

Main

Working supply voltage:	12 V (limits 9,6 – 15 V)
Fuse:	10 A
Maximum output power:	4 x 51 W (4 Ω)
Rated output power (with THD less than 1%):	4 x 16 W (4 Ω)
Speaker Impedance:	4 - 8 Ω
Frequency Response Range:	20 Hz – 20 kHz
Display viewing angle:	vertical ±30°, horizontal ±15°
Audio signal input (AUX, stereo):	one (on front panel, 3,5 mm)
Linear output (RCA):	4-channel (2 pairs)
Output level RCA:	2 V
Maximum current consumption:	10 A
Sizes (W x H x D):	178 x 108 x 50 mm
Temperature (working):	From 0°C to +60°C
Humidity (working):	From 45% to 80%

USB

Supported media:	USB, microSD
Supported formats:	FLAC, MP3, WAV, WMA
File system:	FAT16, FAT32
USB/SD cards:	USB 2.0, USB 3.0, до 64Gb
ID3 Tag support:	English

Bluetooth

Profiles:	A2DP, AVRCP, HFP
Frequency:	2,4 HHz

Radio FM

Preset memory for radio stations:	18 FM
Received frequency range FM:	87,5 - 108,0 MHz
Antenna impedance:	75 Ω

AUX IN

Audio input level:	500 mV (max 2 V)
Jack:	mini Jack 3,5 mm

AURA®
SOUND EQUIPMENT

WARRANTY CARD

Model name	
Serial No.	
Buyer name	
Buyer address Phone No.	
Sales date	
Signature	
Seller name/stamp	

TERMS OF WARRANTY SERVICE

The manufacturer guarantees high quality and reliability of the products, subject to the technical requirements described in the instructions for use.
This warranty is valid for a period of one year from the date of purchase and is carried out in the event that the product is found to be defective due to inadequate material or workmanship from the manufacturer.
The obligations under this warranty are fulfilled on the territory of the Russian Federation by the manufacturer, by selling organizations - authorized dealers of the manufacturer and service centers indicated on the manufacturer's website.

A product is not eligible for warranty repair if it has the following features:
1. The fact that water or other liquids have entered the amplifier;
2. Incorrectly filled in warranty card or its absence;
3. Unqualified installation (connection of the product is not appropriate power cross-section of wires, placement in a place that makes it difficult to cool the product. Interference with product design.

If any disputable issues arise for reasons not included in the above list, the decision is made by the Authorized Service Center after a technical examination.

This warranty does not apply to parts with a limited life (batteries, fuses, etc.).

This warranty does not apply if the product is used for industrial purposes.

All terms and conditions of this warranty are in accordance with applicable consumer protection legislation.

For warranty questions, call: +7 495 771-87-57
Additional information on the website www.aurael.ru

App Store

Google Play

www.auraelectronics.com

Note: Technical data is subject to change without prior notify

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