AurA®

AMH-525BT

BLUETOOTH / USB / FM RECEIVER

USER MANUAL

Bluetooth™ ▌flac RGB *illumination* APP 10 BAND EQ 3 RCA SUB CONTROL

PLEASE READ CAREFULLY BEFORE USING

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Disposal instructions
Directive Weee 2012/19/EU on waste from electrical and electronic equipment. The electrical equipment that has served its term should not be thrown out with the rest of the household waste. Please hand over it in secondary processing. To obtain the necessary information, contact the local authorities.

Important!
All illustrations given in this instructions are schematic images of objects and may slightly differ from their real appearance.
Due to the continuous finalization and improvement of the product, all technical characteristics, as well as the appearance, can be changed without prior notice.

Service life
In accordance with the law, the service life of 3 years from the date of sale of the device with a store is set for this device. The value of the service life is in no way related to the real life of the device and is exclusively an obligation in relation to the legal requirements of the Law on the Protection of Consumer Rights. Given the high quality control, reliability and degree of safety of the device, the actual duration of operation can significantly exceed the officially established service life, subject to the consumer of the rules established by the manufacturer.

Precautions

User manual contains important security recommendations and information about the proper operation of the device. Please carefully follow all the instructions given in this guide.

1. When installing the device, avoid places with high temperature, humidity, or places where there is a lot of dust.

2. Make sure that the device and, in particular, its accessories for installation, are inaccessible to children.

3. Do not drop the device and make sure that it is not subjected to blows, as this can lead to its damage.

4. The manufacturer does not bear any responsibility for any data loss that arose due to damage to this device, its repair or for any other reason.

5. Do not disassemble the device yourself. This can lead to cancellation of the guarantee.

6. Do not use alcohol, solvents or gasoline to clean plastic parts and device display. For cleaning, use only dry soft fabric.

7. Avoid contact of the device with liquids.

8. The product is designed for use only with 12-volt electrical systems with negative grounding. The use of a device in systems with a positive grounding and/or voltage different from 12 volts can lead to damage to the car and device.

Open the package and make sure that inside are:

1. USB receiver - 1 pc.
2. Remote control - 1 pc.
3. Keys for removing the receiver - 2 pcs.
4. ISO - connector - 1 pc.
5. Instruction

Device installation
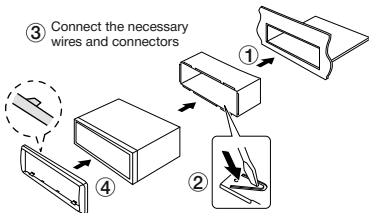
1. Install the mounting casing in the hole of the 1din standard,
   provided by the manufacturer. If the regular place has a 2DIN size,
   use transitional frames and adapters of the △ᴜʀ△ brand.

2. Light out the metal tongues on the mounting casing to fix it in place.

3. Check electrical connections, connector or individual wires
   (depends on the configuration of a particular car model).
   Connect the main connector to the device. Check
   The system performance before fixing in the mounting casing.

4. Insert the device into the mounting casing and push it inward to
   fixation by click.

In some brands of cars (for example, Toyota, Honda, ...), the device is mounted
by screws to standard brackets.
In this case, the mounting casing is not used.

Power connection

1. Make sure your vehicle's onboard voltage 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 supply.
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 antenna motor control input.
7. Connect the orange wire **(A6)** to the circuit in which +12 volts appears when the dimensions are turned on.
8. Connect the remaining wires according to the diagram.

Note:
To avoid increased current consumption and unstable operation of the receiver, when connecting the red wire **(A7)** to +12 volts (together with the yellow **A4**), set the "CAR ACC" function in the "SYSTEM" menu to "NO"!
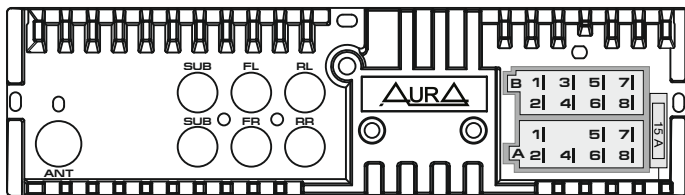
Connecting speaker and RCA cables
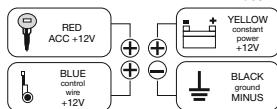
SUB - RCA subwoofer
FL - RCA front (left)
FR - RCA front (right)
RL - RCA rear (left)
RR - RCA rear(right)

ANT - radio receiver antenna connection input
(not included)

fuse

RED ACC +12V

YELLOW constant power +12V

BLUE control wire +12V

BLACK ground MINUS

Connecting steering wheel buttons
A1 - SWC key / pink
A2 - SWC key / brown
A8 - GND (ground) / black

WARNING
DO NOT OPEN

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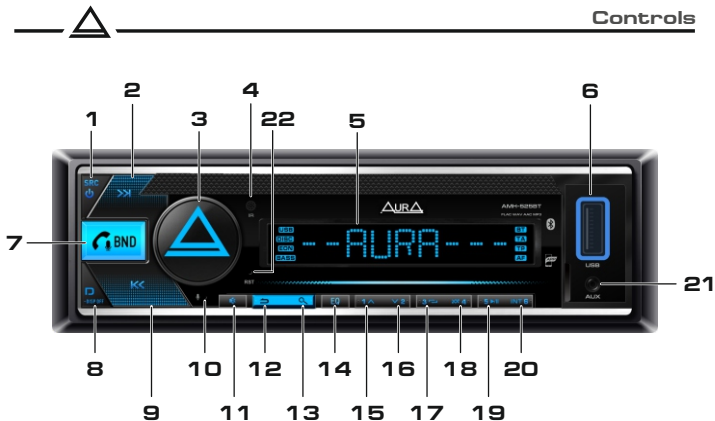**B6** Left channel – (white-black)

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

1. Turn on / turn off the device / select the source
2. Next track / Fast forward / Radio tune
3. Adjust volume / Switch settings / Confirm selection
4. IR receiver
5. LCD display
6. USB connector
7. Receiving / Ending a call / Voice assistant /
   Switching radio bands (FM1, FM2, FM3)
8. Type of information on the display / Turn off the display
9. Previous track / Rewind / Radio tune
10. Microphone
11. Sound mute (Mute)
12. Return
13. Track search
14. Equalizer setting
15. Preset Button 1 / Next Folder
16. Preset button 2 / Previous folder
17. Preset Button 3 / Repeat Mode
18. Preset button 4 / Shuffle mode
19. Preset button 5 / Pause
20. Preset Button 6 / Track Scan Mode
21. AUX input
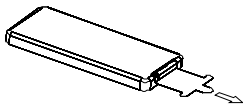22. Reset - reset to factory settings.

6

53

50

182

178

108

49

30

58

188
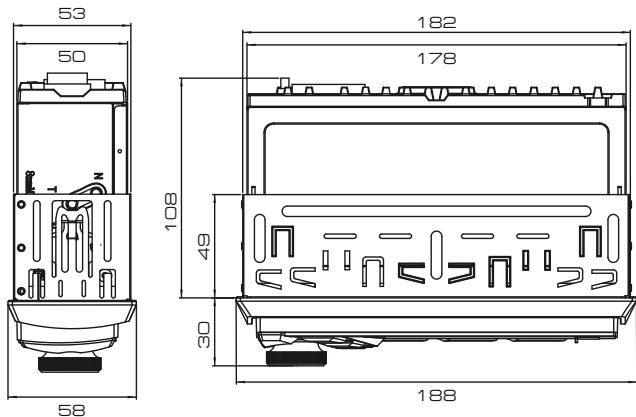
Removing the battery protection **(CR-2025)**.
The remote control comes with battery protection.
The remote control will not work until
the protection is removed.

Battery replacement:
1. When the lithium battery has lost capacity,
   replace it as shown in the figure.
2. Push and hold the latch in the direction of arrow 1.
   At the same time, pull the cell holder out of the
   remote control in the 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 control.

7
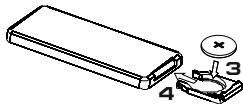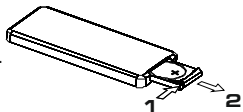
1. ⏻ Turning on / off the device
2. Volume adjustment
3. Switching radio ranges
   / ☎ Reception of a call
4. ⏮ Previous track / rewinding back
   / Radio setting up
5. Choosing a source
6. ⏭ Next track / rewinding forward
   / Radio setting up
7. Muffling sound (mute)
8. ☎ Call completion / clock
9. Pre -configuration button 1
   / ⏸ Pause
10. Preliminary settings button 2
    / Skaging mode of tracks
11. Preliminary settings button 3
    / Repeat mode
12. Preliminary settings button 4
    / Random play mode
13. Pre -configuration button 5
    / Switch to 10 tracks backward
14. Pre -configuration button 6 / Switch to 10 tracks forward
15. Radio station reception (mono / stereo)
16. Loud subtle
17. Memory scanning / Automatic search and
    memorization of stations (AMS)
18. Choosing a source
19. Choosing the preset of equalizer
20. Lowering of the sensitivity of the tuner (LOC)
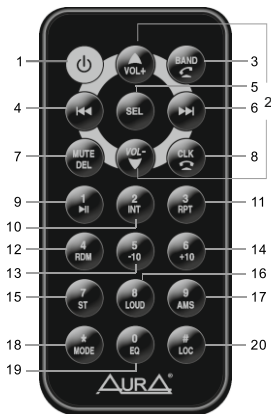
Using remote control (PDU):

• Place the radiating window of the remote control in the direction of the sensor
  window on the device.
• A working angle for receiving the signals of the PDU is about 30 degrees.
• The distance between the radiation window of the DPD and the touch window of
  the device. It should be less than 5 meters.
• The sowing nutrition element can lead to damage to the remote control.
• Store the nutrition elements in an inaccessible place for children!

Turning on / off
Press any button to enable the device.
Press and hold the button (1) ⏻ / **SRC** to turn off.

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

Choosing a source
Press the button (1) ⏻ / **SRC** to switch between sources
Reproduction: Radio -> USB -> Aux in -> Bluetooth.

Sound mute
Press button (11) 🔇 .

Settings menu
Press the volume knob button (3) and rotate to select the desired setting section:
AUDIO (audio settings), DISPLAY (display settings), TUNER (radio settings),
BLUETOOTH, SYSTEM (system settings).
Press the volume knob (3) to select the desired section.

AUDIO - sound settings

Equalizer - equalizer setting
Manual adjustment of the 10 band equalizer (from -10 to +10 dB).
Tuning possible at frequencies: 32 / 64 / 125 / 250 / 500 Hz / 1 / 2 / 4 / 8 / 15 kHz

Preset EQ - equalizer presets.
Values: Custom 1 / Custom 2 / Flat / Classic / Rock / Pop / Jazz / Country

Bass
Enable and adjust bass boost (OFF / LOW / HI).

Loudness - enable / disable loudness.

Subwoofer - subwoofer settings.
Values: OFF / 80 / 120 / 160 Hz (from -1 2 to + 12 dB).

Fader - adjust the relative volume between the front and rear speakers.

Balance - adjust the relative volume between the left and right channels.

Vol limit
Select the value of the maximum possible volume level.

Power UP
Selects the volume level value when turning on the receiver.

<div align="right">

DISPLAY - display settings

</div>

Color set - RGB color setting.
Variable - automatic change of backlight colors.
RED (red), PINK (pink), PURPLE (purple), BLUE (blue)
Customize - setting a custom highlight color.

Language - menu language selection.

<div align="right">

TUNER - radio function settings

</div>

Local set - local search, on / off.

Stereo - stereo mode, on / off.

Regional - selection of the broadcasting region
(Europe, USA, Asia, Russia).

<div align="right">

BLUETOOTH

</div>

PIN-code
Change the PIN for BT pairing.

MIC gain
BT microphone level adjustment.

<div align="right">

SYSTEM

</div>

Clock - clock setting

Format - selection of time display format (12 / 24 hours).

Adjust - setting hours / minutes.

Beep - button sound.
Sound when pressing buttons, on / off.

AUX IN
Enable/disable AUX source.

SWC
Programming regular steering wheel buttons.
Detailed description of the programming procedure on page 14.

Car ACC - ignition lock type
Yes - set for a car with ACC position, the red wire of the device power supply is connected to the ACC position of the ignition switch.

No - set for the machine without ACC position, the red power wire is connected to constant +12 volts (together with the yellow one).
Current consumption will be minimized when the device is turned off.

Animation - animation on the main screen.
Enabling and setting the delay interval before the animation plays on the device display: No / 15 / 30 sec. / 1 / 2 / 4 min.

Demo mode - demo mode.
Enable / disable demo mode.

Factory reset
Reset / return to factory settings.

Version - software version.

Range selection
Press the button (7) **BND**, to select the radio broadcast band: FM1, FM2, Fm3.

Storing and recalling radio stations
Press and hold one of the number buttons (1-6) to memorize 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 broadcast band.

Automatic search for radio stations
Press the button (9) ◄◄ or (2) ►► to quickly search for stations.

Automatic search and storage of stations
Press and hold button (13) for more than 2 seconds.
The unit will quickly search and automatically store 18 strong FM radio stations.

Manual search for radio stations
Press and hold the button (9) ◄◄ or (2) ►► for more than 2 seconds to enter the manual setting 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.

Connect the USB storage device to the connector on the front panel of the device.
Mp3, FLAC files will start playing automatically.
The USB connector supports charging mobile devices. Charging current - 1A.

IMPORTANT! There are many free and other software for encoding FLAC, Mp3
and WAV files on the market, and depending on the encoding status and file format,
you may experience poor playback quality or noise during playback. Playback is
not possible in some cases.

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

Rewind
Press and hold button (9) ◄◄ or (2) ►► to rewind or fast forward.

Play/Pause
Press the button (19) ►/II to stop playback.
Press again to resume playback.

Scanning tracks
Press the button (20) **INT** for sequential playback of 10 seconds of each track.
Click again to stop scanning.

Repeat Play mode
Press the button (17) to select the repeat playback mode:
RPT FLD - repeat playback of all files in the current folder.
RPT ALL - repeat playback of all files on the media.
RPT ONE - repeat playback of the current file.

Shuffle Play mode
Press the button (18) to turn on the random play mode.
Press again to disable.

Switching folders and tracks
Press the button (16) ▼ or (15) ▲ to switch to the previous or next source folder.
Press and hold the button (16) ▼ or (15) ▲ to move 10 tracks backward or forward.

Phone pairing
Pair your phone with the AMH-525BT receiver:

1. Turn on Bluetooth on your mobile device.
2. Find "AMH-525BT" in the list of available BT devices and connect to it. Authorization PIN: 1234 .
3. In case of successful connection, the "BT" indicator on the receiver's display will stop blinking and will light up constantly.
4. The audio signal from the mobile device (music and calls) will be transmitted to the car speakers.

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

Incoming Call
When an incoming call comes in, the caller's number will be displayed on the receiver's screen. Press the button (7) ➐ to receive a hands-free call.

Ending call
To reject an incoming call or end a conversation, press and hold the button (8) ➐ .

Call to the last dialed number
Press and hold button (7) ➐ on the receiver to call the last number in your phone's outgoing call list.
Press the button (7) ➐ on the receiver to activate the Siri function.

Switching between phone and speakerphone
During a call, press the button (7) ➐ to transfer audio from the speakerphone to your phone or from your phone to the speakerphone.

Volume control
Rotate the volume knob during a call to adjust the volume level.
Press the button (11) ◄ to mute the sound.

Bluetooth music (A2DP)
The AMH-535BT receiver supports the A2DP Bluetooth audio 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 the buttons (9) ◄◄ or (2) ►► .
To stop playback, press the button (19) ►/II.

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

Reset settings
Press the button (22) **reset** for 10 sec. to reset all settings except sound settings.

Smartphone app

Most device settings are available in the AurA Audio mobile app for Android or iOS.

You can control the AMH-525BT receiver from your smartphone:

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

Steering wheel button programming

This function can only be implemented in cars with resistive control buttons, the common wire of the buttons is connected to the car's ground.
For the steering wheel buttons to work correctly, you must first connect the wires of the standard control panel to the ISO connector (section A).
The ground wire (WHEEL GND) of the factory control panel must be connected to the black GND wire (A8), and the WHEEL KEY A and WHEEL KEY B signal wires must be connected to the A1 (pink) and A2 (brown) wires, respectively.

The operating voltage range with the remote control buttons connected is from 0.3 to 3.3 V.
The minimum difference in operating voltages, which are set at the output of the remote control after pressing the buttons, must be at least 0.3 V.
Otherwise, in some cases, the buttons may be perceived as one.

ATTENTION!
The manufacturer does not guarantee the correct operation of the device with all car models and is not responsible for possible problems with the car or the device that have arisen in the event of incorrect connection of the device to the car's standard wiring.

Steering wheel button programming

To properly connect the original resistive remote control, consult your car dealer or an authorized installation center.

Button programming procedure:

1. Select the SYSTEM menu.
2. Enter the SWC section and select one of the two memory banks (SWC 1 or SWC 2).
3. Enter the ENABLE menu item and select YES.
4. Press the back button and select PROGRAM.
   The message PRESS KEY 1 flashes on the display.

Follow these steps:
1. Press the button located on the steering wheel to assign a function to it.
   CHOOSE KEY 1 flashes on the display.
2. Select one of the buttons on the head unit to which you want to assign a function.
   If the assignment is successful, the message flashes on the display PRESS KEY 2 (PRESS K2).
3. Repeat these operations (1-2) as many times as you want to assign functions to the buttons on the steering wheel.
4. Press the knob on the front panel to save the data.
   The display will show SAVED x KEYS, then the unit will return to the SWC menu.

Note.
A total of 9 programming functions are available.
To disable programmed button settings, enter the SWC menu and select the ENABLE option and set it to NO.

Main

Operating voltage supply:	12 V (allowable limits 9.6 - 15 V)
Fuse:	15 A
Maximum output power:	4 x 51W (4 ohms)
Rated output power:	4 x 16 W (4 Ohm)
Speaker Impedance:	4 - 8 ohm
Frequency response:	20 Hz - 20 kHz
Display viewing angle:	vertical ±30°, horizontal ±15°
Audio signal input (AUX, stereo):	one (on the front panel, 3.5 mm)
Line output (RCA):	6-channel (3 pairs)
RCA output level:	up to 3.5 V
Maximum current consumption:	15 A
Mounting dimensions (W x D x H):	182 x 108 x 53mm
Temperature (working):	From 0°C to +60°C
Humidity (working):	from 45% to 80%

USB

Supported media:	USB
Supported formats:	FLAC (16 bit), WAV, APE, AAC, MP3
File system:	FAT16, FAT32
USB/SD cards:	USB 2.0, USB 3.0, up to 64Gb
ID3 Tag support:	English , Russian

Bluetooth

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

Radio FM

Radio tuning memory:	18FM
FM frequency range:	87.5 - 108.0 MHz
Antenna impedance:	75 Ohm

AUX IN

Audio input level:	500 mV (maximum 2 V)
Connector:	mini Jack 3,5 mm
Equalizer	10 bands, 34-15000 Hz
	Gain -10 dB to +10 dB, 1 dB step
Filter L.P.F. (subwoofer):	80/120/160Hz
	Gain -12 dB to +12 dB, 1 dB step

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 the high quality and reliability of the products provided that the technical requirements described in
Operating Instructions. This warranty is issued for a period of one year from the date of purchase and is provided in the event that the product is found to be defective due to inadequate quality of materials or workmanship of the manufacturer.
Obligations under this warranty are performed on the territory of the Russian Federation by the manufacturer, selling organizations - authorized dealers of the manufacturer and service centers indicated on the manufacturer's website.

The product is not subject to warranty repair if it has the following features:
1. The fact that water or other liquids get inside the product;
2. Incorrectly completed warranty card or its absence;
3. Unqualified installation (connection of the product is not appropriate power section of wires, placement in place, hindering product cooling).
4. Intervention in the design of the product.

In case of disputes for reasons not included in the above list, the decision is made by the Authorized Service Center after a technical examination.

Parts with a limited life span (batteries, fuse links, etc.) are not covered by this warranty.
This warranty is not valid if the product is used for industrial purposes.
All terms of this warranty are in accordance with applicable consumer protection laws..

Additional information on the website www.aurael.ru

CE EHC

App Store

Google Play

www.aurael.ru