4x51W MAX POWER



INDIGO-879DSP

DSP BLUETOOTH / USB / FM RECEIVER

USER MANUAL



PLEASE READ CAREFULLY BEFORE USING

Copyright

Copyright

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.



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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.

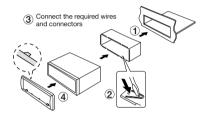
7. Avoid contact of the device with liquids.

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

Installation of the device



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

- 1. Make sure that your vehicle's on-board voltage is +12 volts.
- 2. Before connecting wires, remove the fuse from the device.
- 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 a metal part of the car body.

6. Blue wire (A5) - connect to the remote input of the amplifier (Remote) or the power input of the active antenna.

7. Connect the orange wire (A6) to the circuit where +12 volts appears when the headlights are turned on.

8. Connect the remaining wires according to the diagram.

Note:

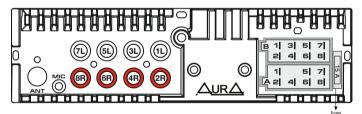
To avoid increased current consumption and unstable operation of the receiver, when connecting the red wire **(A7)** to constant +12 volts (together with yellow **A4**), set the "CAR ACC" function in the "SYSTEM" menu to "NO"!

Connecting speaker and RCA cables

1L-2R: RCA-output, 1 (left) and 2 (right) channels 3L-4R: RCA-output, 3 (left) and 4 (right) channels

5L-6R: RCA-output, 5 (left) and 6 (right) channels

7L-8R: RCA-output, 7 (left) and 8 (right) channels



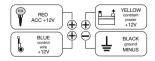
- ANT radio antenna connection input (not included)
- MIC external microphone input (not included)

Connecting steering wheel buttons

- A1 SWC key: brown/black
- A2 SWC key: brown



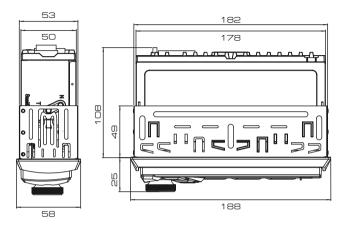




- B5 Channel 1 left + (white)
- B6 Channel 1 left (white-black)
- B3 Channel 2 right + (grey)
- B4 Channel 2 right (grey-black)
- B7 Channel 3 left + (green)
- B8 Channel 3 left (green-black)
- B1 Channel 4 right + (purple)
- B2 Channel 4 right (purple-black)



- 1. Turn on/off the device/Select source
- 2. IR receiver
- 3. LCD display
- 4. USB connector
- 5. Next track / Fast forward / Radio tuning
- 6. Volume adjustment / Switch settings / Confirm selection
- 7. Previous track / Rewind / Radio settings
- 8. Return / Search
- 9. Microphone
- 10. Muting the sound (MUTE)
- 11. Preset Button 1 / Next Folder
- 12. Preset Button 2 / Previous Folder
- 13. Preset Button 3 / Repeat Mode
- 14. Preset Button 4 / Shuffle Mode
- 15. Preset Button 5 / Pause
- 16. Preset button 6 / Track scan mode
- 17. Type of information on the display / Turn off the display (press for 2 seconds)
- 18. Receive / End a call / Voice assistant / Switch radio bands (FM1/2/3)
- 19. Reset the device to factory settings (reset)
- 20. AUX input



Remote control

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:

When the lithium battery has lost capacity, replace it as shown in the figure.

- 1. Pull the holder out of the remote control in the direction of arrow 1.
- 2. Replace the old battery with a new one. Observe polarity! Make sure the (+) is on top!
- 3. Insert the battery holder into the remote control.







- 1. U Turning on / off the device
- 2. Volume adjustment
- 3. Switching radio ranges / C 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
 / ►II 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

Volume adjustment

Rotate the volume control handle to set the desired level.

Choosing a source

Press the button (1) U / SRC to switch between sources Reproduction: Radio -> USB -> Aux in -> Bluetooth.

Settings Menu

Press the volume knob button (6) and rotate to select the desired settings section: AUDIO (sound settings), DISPLAY (display settings), TUNER (radio settings), SYSTEM (system), BLUETOOTH (Bluetooth settings).

AUDIO - audio settings

EQ setting

<u>Custom</u> - manual adjustment of 48-band equalizer (from -9 dB to +9 dB). EQ reset - reset equalizer settings.

Presets:

Flat, Classic, Rock, Pop, Easy, Top 40, JAZZ, Vocal, Country, Superbass, Natural, Electric, Powerfull, Dynamic.

<u>Q-factor</u>

Level Setting the value of the quality factor (quality factor). Values: 1 - 10.

Link All Band

Yes - single Q value for all equalizer bands. No - individual Q value for each equalizer band.

Bass boost

Enabling and adjusting bass boost (5 levels).

Loudness

Enabling and setting up loudness (2 levels).

Subwoofer:

Sub-W output - enable/disable subwoofer. Sub-W level - adjusting the subwoofer volume level. Sub-W steneo - operating mode 7/8 RCA subwoofer outputs (Mono/Stereo).

Fader

Adjusting the relative volume between 1/2 and 3/4 channels.

Balance

Adjusting the relative volume between left and right channels.

Volume Step

Selecting the volume control step value (1/2/3).

Volume limit

Selecting the maximum possible volume level (3 - 62).

Power on vol.

Selecting the volume level when turning on the receiver (1 - 62).

X-Over

<u>1/2 Channel</u> - setting high-pass filter (HPF), low-pass filter (LPF), filter type, slope, level and phase of 1/2 channels.

1/2-HPF FRQ - cutoff frequency: THROUGH (off)/20 Hz - 12.5 kHz. 1/2-HPF TYPE - filter type. 1/2-HPF SLOPE - slope: 6 - 48 dB per octave.

1/2-LPF FRQ - cutoff frequency: THROUGH (off)/20 Hz - 12.5 kHz. 1/2-LPF TYPE - filter type. 1/2-LPF SLOPE - slope: 6 - 48 dB per octave.

1/2 GAIN - level 1/2 channels, from -8 dB to 0 dB. 1/2 PHASE - Electrical phase switching:0° / 180°

<u>3/4 Channel</u> - setting high-pass filter (HPF), low-pass filter (LPF), filter type, slope, level and phase of 3/4 channels.

3/4 -HPF FRQ - cutoff frequency: THROUGH (off)/20 Hz - 12.5 kHz.
3/4 -HPF TYPE - filter type.
3/4 -HPF SLOPE - slope: 6 - 48 dB per octave.

3/4-LPF FRQ - cutoff frequency: THROUGH (off)/20 Hz - 12.5 kHz. 3/4-LPF TYPE - filter type. 3/4-LPF SLOPE - slope: 6 - 48 dB per octave.

3/4 GAIN - level 3/4 channels, from -8 dB to 0 dB. 3/4 PHASE - electrical phase switching:0° / 180°

<u>5/6 Channel</u> - setting high-pass filter (HPF), low-pass filter (LPF), filter type, slope, level and phase of 5/6 channels.

5/6-HPF FRQ - cutoff frequency: THROUGH (off)/20 Hz - 12.5 kHz. 5/6-HPF TYPE - filter type. 5/6-HPF SLOPE - slope: 6 - 48 dB per octave.

5/6-LPF FRQ - cutoff frequency: THROUGH (off)/20 Hz - 12.5 kHz. 5/6-LPF TYPE - filter type. 5/6-LPF SLOPE - slope: 6 - 48 dB per octave.

5/6 GAIN - level 5/6 channels, from -8 dB to 0 dB. 5/6 PHASE - Electrical phase switching:0° / 180°

<u>7/8 Channel</u> - setting high-pass filter (HPF), low-pass filter (LPF), slope, level and phase of 7/8 channels.

7/8-HPF FRQ - cutoff frequency: 10 Hz - 100 Hz / THROUGH (off) 7/8-HPF TYPE - filter type. 7/8-HPF SLOPE - slope: 6 -48 dB per octave.

7/8-LPF FRQ - cutoff frequency: 30 Hz - 800 Hz / THROUGH (off) 7/8-LPF TYPE - filter type. 7/8-LPF SLOPE - slope: 6 -48 dB per octave.

7/8 GAIN - level 7/8 channels, from -8 dB to 0 dB. 7/8 PHASE - electrical phase switching:0° /180°

X'over reset

Resetting Crossover Settings.



IMPORTANT!

Setting the delays starts with the speaker farthest from the listening position (usually the subwoofer).

The farthest speaker does not need any additional delay.

The remaining speakers should be adjusted according to the difference between the distance from the farthest speaker and the distance from the target speaker to the listening position.

For example: the distance from the listener to the subwoofer is 220cm, the distance from the listener to the front left tweeter is 80cm. The delay for the left tweeter channel will be: 220cm - 80cm = 140cm. We enter the number 140 into the channel delay value of the left tweeter.

Make the necessary calculations for all speakers, then make settings in the AURA AUDIO app or in the receiver menu.

Position - listener position selection. All / Front left / Front right / Front all.

Delay - value for each channel.

Select the desired channel and set the desired signal delay value. In MONO mode, the delay values for 7/8 channels will be adjusted synchronously.

Gain - signal level value for each channel.

Select the desired channel and set the required signal level. In MONO mode, the levels for 7/8 channels will be adjusted synchronously.

DTA reset Reset delay settings.

Delay units

Selecting a unit of measurement: centimeters or milliseconds.

<u>Car type</u>

Select car type: Sedan / Station wagon / Minibus.

You can save 6 independent settings (presets) and quickly switch between them.

IMPORTANT! Settings are retained when battery power is removed.

- 1. Adjust the EQ, delay and crossover parameters.
- 2. To save the current settings to memory cell "1", quickly press the "1" button 3 times.
- 3. Change EQ, delay and crossover settings.
- 4. To save the current settings to memory cell "1", quickly press button "2" 3 times.
- 5. Press the "1" button 2 times quickly to recall the settings stored in "Preset 1" from memory.
- 6. Press the "2" button 2 times quickly to recall the settings saved in "Preset 2".

Display

Color select

Setting the RGB color.

All zone - color selection for all 3 zones at the same time.

Zone 1, Zone 2, Zone 3 - choice of color for each of the 3 zones.

Dimmer

Backlight dimming settings, on/off, or select two dimming levels.

Spectrum

Frequency spectrum display on / off.

Tuner

Local seek Local search on / off.

Stereo set

Stereo mode on / off.

Regional

Selecting a broadcasting region (Europe, USA, Asia, Russia).



RDS set Enabling the text messaging system.

TA set Traffic messages.*

AF set Transition to more stable frequencies.*

EON set Automatic switching to traffic channels.*

Radio text Displaying text information.

Pl regional Station name display.

PTY search Search by program type.* *function is not supported in Russia.

BLUETOOTH

Enable Turning on/off VT.

<u>PIN-code edit</u> Changing the PIN code for BT pairing.

MIC gain

Adjusting the BT microphone level.

System

Language

Selecting the menu display language.

<u>Clock</u>

Clock format - selecting the clock display format (12 / 24 hours). Clock adjust - setting hours/minutes. Data format - select date display format. Data set - setting date values. Time sync - synchronization of exact time via RDS.

<u> Beep - button sound</u>

Enable/disable sound when pressing buttons.

AUX IN

Enable/disable AUX source.

SWC

Programming standard steering wheel buttons. Detailed programming procedure on page 18.

Car ACC - ignition switch type

Yes - install for a car with ACC position, red wire The device's power supply is connected to the ACC position of the ignition switch.

No - install for a car without ACC position, the red power wire is connected to constant +12 volts (together with the yellow one). BT module and USB connector will be disabled when the device is turned off.

Animation - animation on the main screen

Enabling and setting the delay interval before playing animation on the device display: no / 15 / 30 sec. / 1 / 2 / 4 min.

Demo mode

Enabling/disabling demo mode.

Factory reset

Reset to factory settings.

Version

Viewing the current software version.

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 broadcast band.

Range selection

Press the (18) **BAND** button to select the broadcast band radio stations: FM1, FM2, Fm3.

Automatic search for radio stations

Press button (7) 🛏 or (5) 🛏 to quickly search for stations.

Automatic search and storage of stations

Press and hold the **SEARCH** button (8) for more than 2 seconds. The unit will quickly search and automatically store 18 FM and 12 AM radio stations with strong signals.

Manual search for radio stations

Press the button (7) \bowtie or (5) \bowtie to change the frequency step by step. Hold down the button (7) \bowtie or (5) \bowtie to enter the auto tuning mode.

Connect the USB storage device to the connector on the front panel of the device. Playback of supported file formats will start automatically. The USB connector supports charging mobile devices.

IMPORTANT! There is a large selection of free and other software on the market for encoding FLAC, Mp3 and WAV files, and depending on the encoding status and file format, poor playback quality or noise may occur during playback. In some cases, playback may not be possible.

Switching tracks

Press the button (7) Here or (5) Here to move to the previous ornext track.

Rewind

Press and hold button (7) ➡ or (5) ➡ to rewindback or forward..

Play/Pause

Press the button (15) ►/II to stop playback. Press again to resume playback.

Scanning tracks

Press the (16) **INT** button to play in sequence for 10 seconds.every track. Click again to stop scanning.

Repeat

Press the button (13) to select the repeat playback mode: Repeat folder - Repeat playback of all files in the current folder. Repeat one (repeat track) - repeat playback of the current file. Repeat all (repeat all) - repeat playback of all files on the media.

Random play

Press button (14) to select random play mode: Random folder / Random All / Random Off.

Switching folders and tracks

Press the button (13) for or (12) for to switch to the previous or next source folder. Press and hold the (13) for or (12) for button to move 10 tracks backward or forward.

BLUETOOTH

Phone pairing

- 1. Turn on Bluetooth on your mobile device.
- Find "INDIGO-879DSP" in the list of available BT devices and connect to it. PIN code for authorization: 1234.
 WARNING! No need to pair with the BLE channel!

This may cause the device to become unstable!

- If the connection is successful, the "BT" indicator on the receiver's display will stop blinking and 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 (18) **>** to receive a hands-free call.

Ending call

To reject an incoming call or end a conversation, press and hold the button (18) $\mathbf{\hat{s}}$.

Call to the last dialed number

Press and hold the button (18) \uparrow on the receiver to call the last number in your phone's outgoing call list.Press the button (18) \uparrow on the receiver to activate the Siri function.

Switching between phone and speakerphone

During a call, press the button (18) **t**o 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 (10) **MUTE** button to mute the sound.

The VENOM-D41DSP receiver supports Bluetooth 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 the buttons (7) \bowtie or (5) \bowtie . To stop playback, press the button (15) ▶/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 and hold for 10 seconds, button (19) **RST** to reset the device to factory settinas.

Software update

We are pleased to offer the option to update the firmware to bring you the best performance and the latest features for your device. Please check the availability of the new software version on the website

www.aurael.ru

Phone app

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

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

Steering wheel button setup (Direct SWC)

This function can only be implemented in cars that have resistive control buttons; the common wire of the buttons is connected to the vehicle ground. For correct operation of the steering wheel buttons, you must first connect the wires of the standard control panel to the ISO connector (section A).

APPLICATION





The ground wire (WHEEL GND) of the original control panel must be connected to the black GND wire (A8), and the signal wires WHEEL KEY A and WHEEL KEY B must be connected to wires A1 (brown/black) and A2 (brown), respectively.

The operating voltage range when the remote control buttons are connected is from 0.3 to 3.3 V.

The minimum difference in operating voltages that are set at the remote control output after pressing the buttons must be at least 0.3 V.

Otherwise, in some cases, the buttons may be perceived as one.

WARNING!

The manufacturer does not guarantee correct operation of the device with all car models and is not responsible for possible problems with the car or device that arise if the device is incorrectly connected to the car's standard wiring..

To correctly connect the standard resistive remote control, consult with the official dealer of your car or contact a certified installation center.

Button programming procedure:

- 1. Select menu SYSTEM.
- 2. Enter the SWC section and select one of 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. PRESS KEY 1 will flash on the display..

Follow these steps:

- 1. Press the button located on the steering wheel to assign a function to it. CHOOSE KEY 1 will flash 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, PRESS KEY 2 will flash on the display.
- 3. Repeat these operations (1-2) as many times as you need to assign functions to the buttons on the steering wheel.
- 4. Press the front panel knob button to save the data. The display will show SAVED x KEYS and 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..

4 x 51 W (4 ohms)

4 x 16 W (4 ohms)

one (front. 3.5 mm)

8-channel (4 pairs)

182 x 108 x 53 mm

From 0°C to +60°C

from 45% to 80%

20 Hz = 20 kHz

15 Å

4 - 8 Ohm

up to 4 V

15 A

12 V (permissible limits 9.6 - 15 V)

vertical ±30°. horizontal ±15°

Main

Operating supply voltage: Fuse: Maximum output power: Rated output power: Speaker impedance: Frequency range: Display viewing angle: Audio input (AUX, stereo): Line Out (RCA): RCA Output Level: Maximum current consumption: Installation dimensions (W x D x H): Temperature (operating): Humidity (operating):

USB

Supported media:	USB
Supported formats:	FLAC (16 bit), WAV, APE, AAC, MP3
File system:	FAT16, FAT32
USB storage:	USB 2.0, USB 3.0, up to 256Gb
ID3 Tag support:	English, Russian

Bluetooth

Version: Profiles: Codec: Frequency:

Radio FM, AM

Radio tuning memory: Received FM frequency range: Antenna impedance:

AUX IN

Audio input level:

DSP:

Crossover Equalizer Phase rotation Time delays

5.1

A2DP, AVRCP, HFP SBC 2.4 GHz

18 FM 87.5 - 108.0 MHz 75 Ohm

500 mV (maximum 2 V)

8 bands, 10-12500 Hz, 6-48 dB/oct. 48 bands, 20-20000 Hz 0 / 180° 0-25 ms, 0-850 cm



WARRANTY CARD

Model name	INDIGO-879DSP
Serial No.	
Buyer name	
Buyer address Phone No.	
Sales date	
Signature	
Seller name/stamp	

WARRANTY CARD

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;
- 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

C€ EÆ

INDIGO







www.aurael.ru



Due to continuous product development and improvement, all specifications and appearance are subject to change without notice.

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