

TECHNICAL FEATURES

INDIGO-D1.900

Output power (14,4V), RMS 4Ω (Bт)	301 x 1 CH
Output power (14,4V), RMS 2Ω (Bт)	551 x 1 CH
Output power (14,4V), RMS 1Ω (Bт)	901 x 1 CH
Output power (14,4V), (bridge connection of 2 amplifiers), RMS 2Ω (Bт)	1802 x 1 CH
LPF filter	15 Hz - 400 Hz (24 dB/oct)
Subsonic filter	0 - 50 Hz
Phase switch	0 - 180 rp.
Total Harmonic Distortion (THD)	<0.15%
Frequency Response (± 2dB)	15 Hz ~400 Hz
Signal to noise ratio	>89 dB
Input sensitivity	195 mV ~ 6 V
Bass Boost	0 - 12 dB (45 Hz)
Fuse rating	30A x 3
Size	280 x 190 x 54 mm

AURA[®]

OWNER'S

MANUAL

INDIGO-D1.900

CAR POWER AMPLIFIER
MONOBLOCK POWER AMPLIFIER

www.aurael.ru



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

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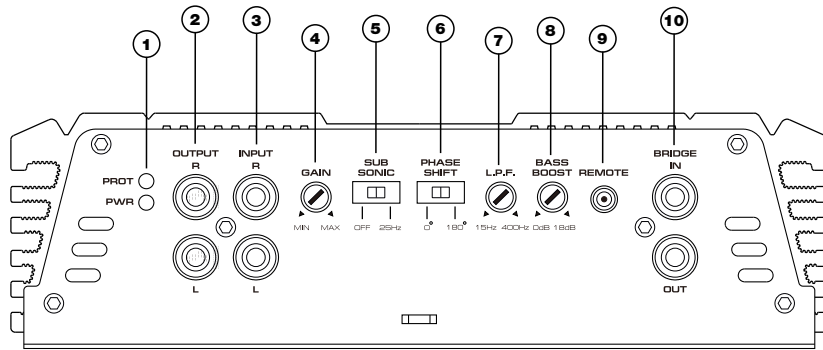
WARNING!

PLEASE READ CAREFULLY BEFORE USING

INSTALLATION

Thank you for purchasing an **AURA** amplifier.
We strongly recommend using the services of a professional installation studio to install the amplifier. The correct configuration of the system and the qualifications of specialists will allow you to maximize the potential of your amplifier, avoid unpleasant situations, as well as eliminate connection errors and possible malfunctions.

CONTROL ELEMENTS



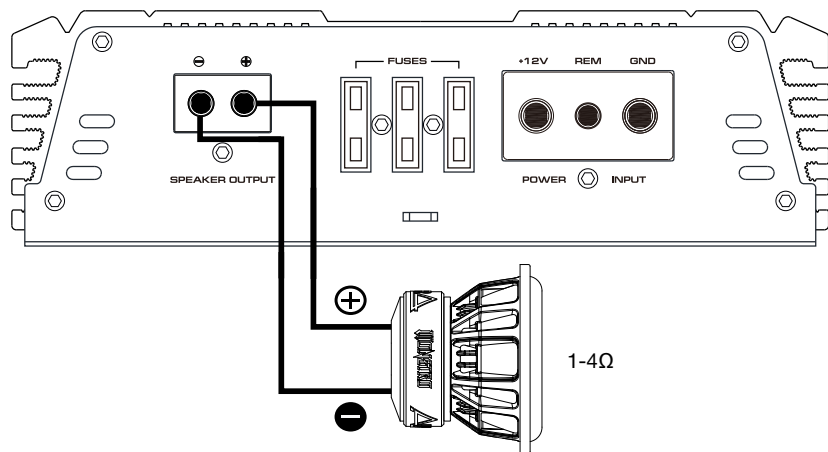
1. PWR - work indicator (green) / PROT - protection indicator (red)
2. Signal loop through, RCA line out
3. Signal input, RCA line input
4. GAIN - adjusting the input signal level
5. SUB SONIC - ultra-low-pass filter
6. Phase switch (0 - 180 degrees)
7. L.P.F. (LPF) - low pass filter adjustment
8. BASS BOOST - Bass boost control.
9. Connector for connecting a remote input level control
10. BRIDGE IN / OUT - bridge connection of amplifiers (input / output)

TROUBLESHOOTING

Simptoms	Possible trouble	Recomendations
Does not turn on no sound	Too weak or no signal from the control cable	Check the voltage at the output of the control wire
	Power cables are not connected.	Check the power cable connections and correct if necessary.
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Turns on and the sound turns off	Defective speaker system	Check your speakers and repair or replace them.
	Thermal protection turns on when the radiator heats up over 80 ° C	Make sure there is sufficient ventilation to cool the amplifier.
	Loose or poor contact at the input connectors.	Check the connection and integrity of the input connectors, replace if necessary.
Battery fuse blows	The speaker impedance is too low.	Check the impedance of the speakers. It is not should be below 1 ohm.
	Short circuit in the power wire or incorrect connection	Check the power cable connections and correct if necessary.
Amplifier fuse blows	Fuse less than necessary.	Replace with the correct fuse.
	Too much current	Check the impedance of the speakers. It should not be lower than 1Ω in normal mode or 2Ω in bridged mode for connecting 2 amplifiers (Master / Slave)

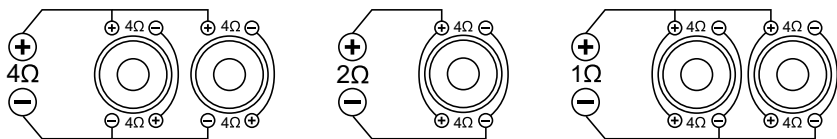
SUBWOOFER CONNECTION

INDIGO-D1.900

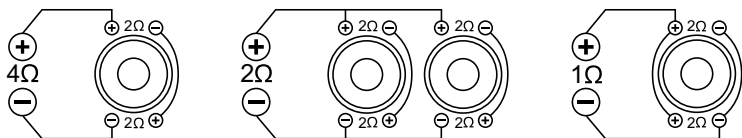


SUBWOOFER CONNECTION OPTIONS

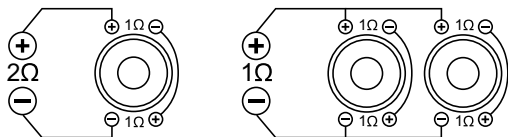
Сабвуферы с катушками 4 Ом



Subwoofers with 2Ω coils



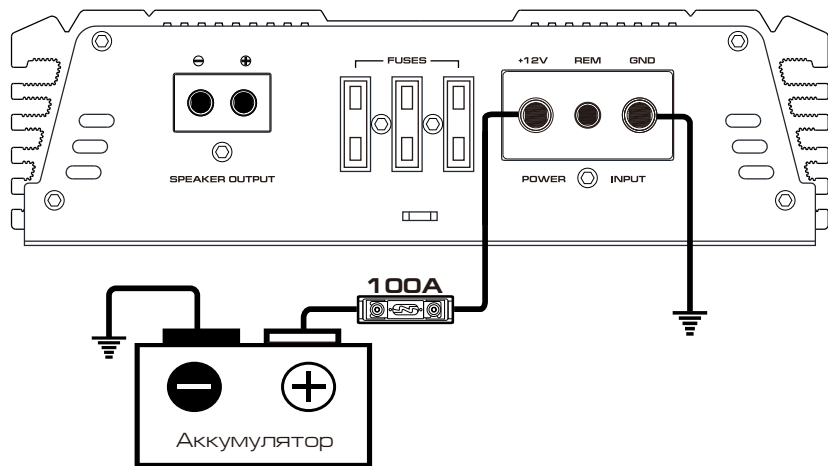
Subwoofers with 1Ω coils



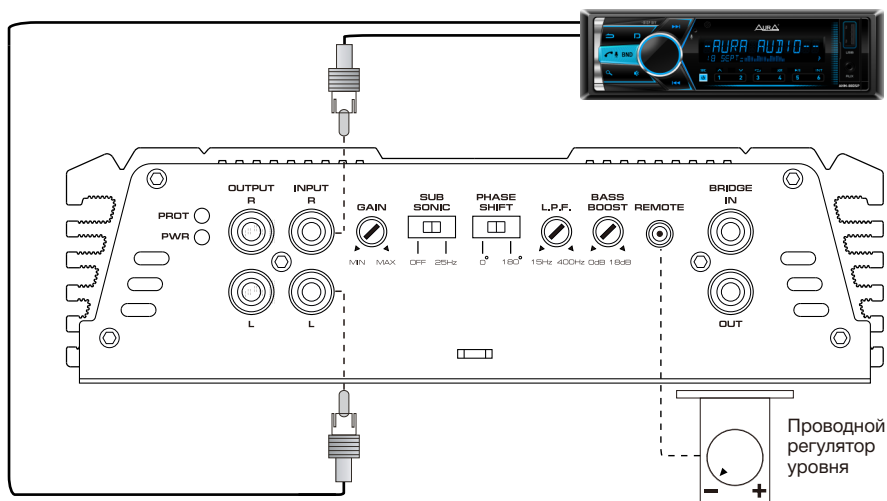
CONNECTION RECOMENDATIONS

1. Make sure that your car has a +12 Volt power supply system, with a negative ground (negative on the body).
2. Check the voltage of the main battery (accumulator), it should not be lower than 12.5 volts with the battery disconnected.
3. Check the voltage supplied by the alternator - it should be between 13.8 - 14.4 volts with the vehicle running. Make sure that the rated current of the generator is sufficient to support the increased demand. For example, this amplifier requires a current at the rate of $900 \text{ W} / 13 \text{ Volts} = 69.2 \text{ A}$.
4. Do not route power wires near moving parts of the vehicle. This can lead to a short circuit and, as a result, a fire. Use AurA power cables with a minimum cross-section of 20 mm (4 AWG). The cross-section of the positive and negative cables must be the same!
5. Select a location with good air circulation to properly cool the amplifier.
6. Connect the positive (+ 12V) cable only after all other cables have been connected. Be sure to use a fuse on the positive power cable that is not less than the total fuse rating on the amplifier. Install the fuse as close to the car battery as possible, but no further than 40 cm from the positive terminal. The negative cable must be connected to the car body exclusively by bolting. The connection point must be free of paint and reliably protected from corrosion. Loose power connections can lead to unstable operation and damage to the amplifier!
7. The device turns on when + 12V is supplied to the "REM" terminal. This terminal is low-current and does not require connection with a cable of the same cross-section as positive or negative. An acceptable wire is 18-16AWG (0.75-1.5mm²). The standard color of the control cable is blue.

ПОДКЛЮЧЕНИЕ ПИТАНИЯ



ПОДКЛЮЧЕНИЕ RCA-КАБЕЛЯ



Amplifier Bridging (Master / Slave)

