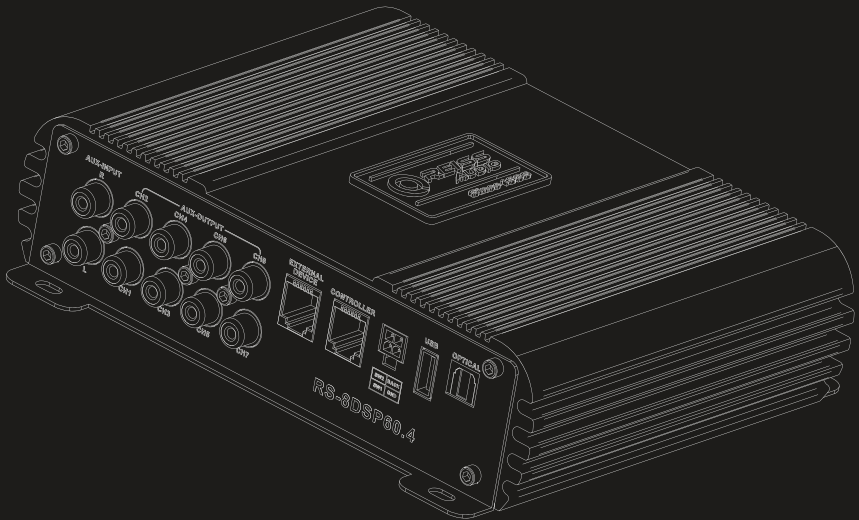
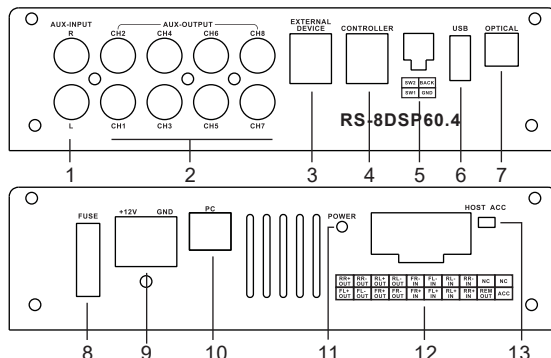


OWNER'S MANUAL

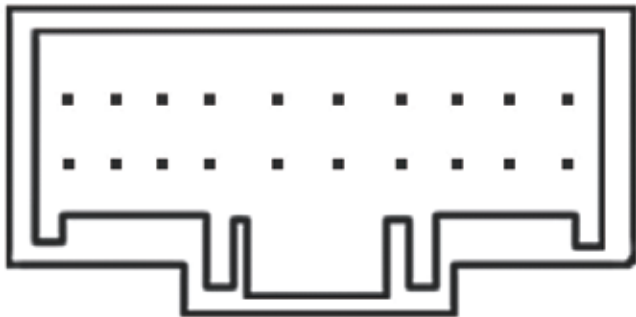
DIGITAL SIGNAL PROCESSOR RS-8DSP60.4



3. Introduction to machine interface



1. RCA input connector: Up to 2 channels can be connected.
2. RCA output connector: Up to 8 channels can be connected.
3. External Device Interface : Connect to the adapter, supporting high-definition audio codecs including APTX and BLUETOOTH.
4. Controller connector: Can be connected to the controller for playback control, volume adjustment, etc.
5. Steering Wheel Control Reverse Detection Wire
6. USB Interface (USB): Standard USB interface.
7. Optical Input (OPTICAL): Connect to the head unit's optical output or the optical output of other playback devices.
8. FUSE: If the fuse blows, replace it with one of the same specification only.
9. Negative terminal of power supply (GND): Connect to the negative terminal of the power supply. ensure good grounding.
Positive terminal of power supply (+12V): After passing through the fuse (optional), connect to the positive terminal of the battery.
10. Computer Tuning (PC port): link to computer debugging software No need to download driver installation, the sound software linked to the computer will be installed automatically
11. Status Indicator Light (POWER): Blue Light: Device is powered on and operating normally. Red Light: Device has entered protection mode (cool down the device before restarting).
12. High Level Input And Output Port
13. Power On/Off Selection (ACC/HOST): ACC: Powers on automatically when the vehicle starts. HOST: Powers on automatically when the head unit is activated.



RR+ OUT	RR- OUT	RL+ OUT	RL- OUT	FR- IN	FL- IN	RL- IN	RR- IN	NC	NC
FL+ OUT	FL- OUT	FR+ OUT	FR- OUT	FR+ IN	FL+ IN	RL+ IN	RR+ IN	REM OUT	ACC

- *"+"is positive or positive,"-"is negative or inverted (ground).
- *Only the special wire for the original car is selected, or the user can define the external wiring material by himself.
- * Before connecting the power supply, you confirm that the power supply meets the power requirements of device and connect in strict accordance with the device instructions, Failure to do so may result in damage to the equipment and may cause accidents such as fire, electric shock,etc.

4. Product parameters

DSP	RS-8DSP60.4
EQ	31 Band Graphic Equaliser
USB	Support
Bluetooth	Built-in BT 5.3
Input signal	4-channel high level, 2-channel low level,
Output channel	8CH RCA
Signal output range	RCA:5.6Vpp; RMS Power:4CHx 60W
Signal input range	RCA:5Vpp; High level:56Vpp
Signal to noise ratio	≥98dB
Input resistance	High level:240 Ω
Total harmonic distortion	≤0.05%
Frequency Range	20Hz~20KHz
Start REM input	High levelstart (FL+/FL-)ACC Start
Start REM output	12V start voltage output

5. Product function parameters

Input signal type	4-channel high level, 2-channel low level, support built-in Bluetooth, USB music playback
Output signal type	8-channel low level, 4-channel RMS Power:4CHx 60W
Output gain	Gain range: mute,-60dB-6dB
Ioutput signal equalizer	31-band EQ for every channel: 1.Frequency range: 20Hz-20KHz; resolution: 1Hz 2.0 value (slope and slope): 0.3-50 3.Gain:-12.0dB+12.0dB,resolution: 0.1dB
Output Signal Divider	Equipped with high and low pass filters: 1.Professional filter type: Butterworth, Bessel, Linkwitz 2.Filter Crossover Point:20Hz-20kHz, Resolution 1Hz 3.Filter Slope Setup: 6dB/Oct~48dB/Oct
Output Phase and Latency	Adjust phase and time alignment for every outpuf channel: In Phase or Out Phase(0-180°); Time Alignment:0 to 25 milliseconds, 0 to 850 centimeters, 0 to 334.65 inches;
Scene operation	Save 6 presets into the device

6. Common fault solutions

Before powering on, you should carefully check that the 12V, GND, and ACC positions of the connection lines are consistent with the original car. You must ensure that all interfaces are connected normally.

Common fault judgment and solutions:

If you encounter any problems when the machine can be powered on and can be connected to the computer software, please restore the factory settings before testing and testing.

Fault phenomenon	
① No power	Please check whether the power connection is correct and whether the startup method is correct.
② There is no sound	Whether to activate the mute setting, the priority of the audio source is USB playback, Bluetooth, the original car host, please check whether the Bluetooth is connected first.
③ USB software connection fails	Please check whether the USB cable is inserted in place, and whether there is a prompt sound of “ding dong” after connecting to the computer.

1. Specifications for use

- ① To prevent short circuit of the main board, do not place the device in rainy or humid places.
- ② If the main board encounters water or other liquids into the machine, please cut off the power immediately, and ask professional maintenance personnel to inspect and repair to avoid accidents.
- ③ There is no place in the machine that the user can repair, please do not disassemble the machine, please find a professional for maintenance.
- ④ During the operation of the machine, heat dissipation will accumulate. Do not touch the body with your hands directly to avoid burns.

The above are the product usage specifications. If you fail to pay attention to causing personal injury or equipment damage, please be responsible for it.

2. Product list

① Product host	one
② USB tuning cable	one



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