

DSP-C8
DSP-C12
C Series DSP

YOUR DSP

Dear Customer,

Congratulations on purchasing our GoldenAcoustics mobile system product for your sound system.

This product has been designed and manufactured to GoldenAcoustics's exacting standards to ensure many years of audio enjoyment. For the best performance, we recommend that you have your GoldenAcoustics product installed by an authorized GoldenAcoustics dealer.

If you would like to install this product on your own, we recommend for you to go through this manual to familiarize yourself with all the installation requirements and procedures.

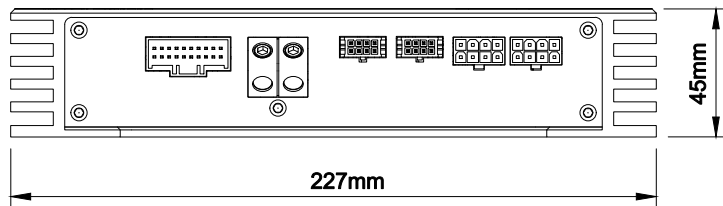
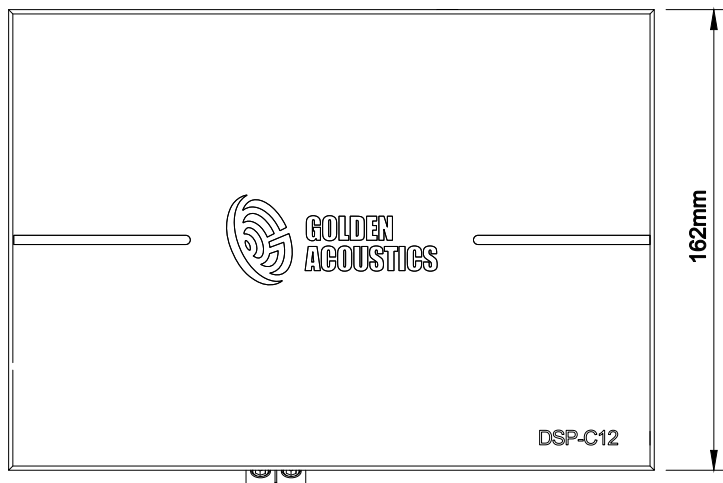
If you encounter any issues or if you have any questions on the operation of this product, please contact your nearest authorized GoldenAcoustics dealer for assistance, or you may also contact us through our website or social media channels.

WHAT'S IN THE BOX

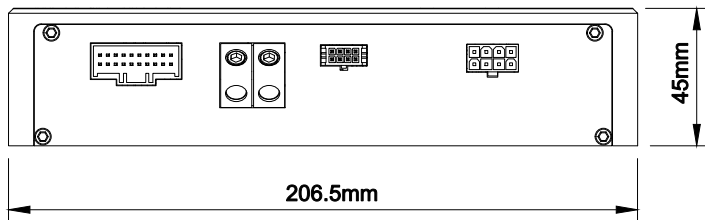
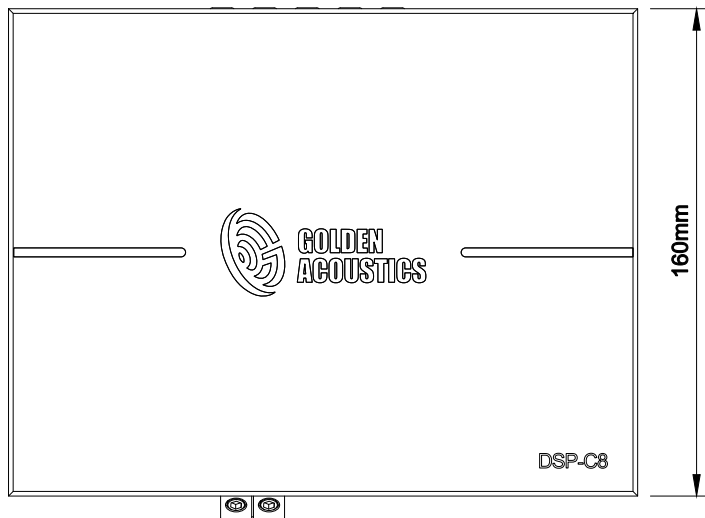
Check and identify the contents of your package:

1. Installation Manual x 1
2. Dsp C8/C12
3. USB cable x 1

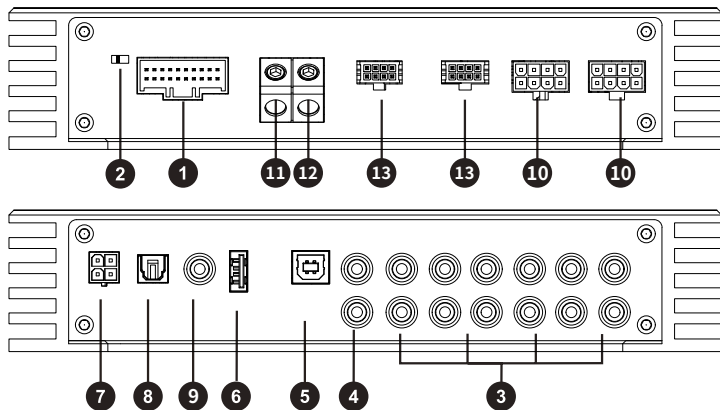
Dimension DSP-C12



Dimension DSP-C8

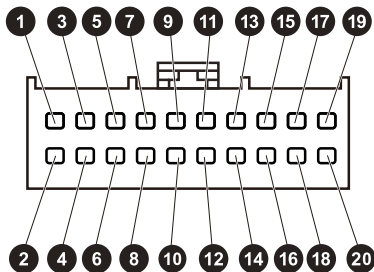


Device Connections



1. 12V wiring harness
2. Turn on selector
3. RCA outputs
4. RCA inputs
5. Pc control input
6. USB play
7. Remote
8. Opticalinput
9. Coaxialinput
10. Hi output
11. 12V+
12. GND
13. Hi input

12V wiring harness



PIN	FUNCTION	PIN	FUNCTION
1	REM IN	11	FR+(Input)
2	12V+	12	FR-(Input)
3	REM OUT	13	FR+(Output)
4	GND	14	RL-(Output)
5	RR+(Input)	15	FR-(Output)
6	RR-(Input)	16	RL+(Output)
7	RL+(Input)	17	FL-(Output)
8	RL-(Input)	18	RR-(Output)
9	FL+(Input)	19	FL+(Output)
10	FL-(Input)	20	RR+(Output)

SPECIFICATIONS DSP-C12

Power(DC): 10-16V

Input: High-level 12ch, 2xRCA, Optical/Coaxial,

Bluetooth5.2, USB Music Play

RCA Output: 12ch

Peak Power: 12x68W

Signal To Noise: ≥ 102 dB

Impedance: $2\Omega/4\Omega$

THD&Noise: $< 0.05\%$

Frequency response: 20Hz~20kHz

Dimension(LxHxW): 227x162x45mm

SPECIFICATIONS DSP-C8

Power(DC): 10-16V

Input: High-level 8ch, 2xRCA, Optical/Coaxial,

Bluetooth5.2, USB Music Play

RCA Output: 10ch

Peak Power: 8x68W

Signal To Noise: ≥ 102 dB

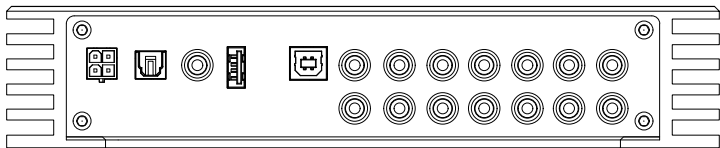
Impedance: $2\Omega/4\Omega$

THD&Noise: $< 0.05\%$

Frequency response: 20Hz~20kHz

Dimension(LxHxW): 207x160x45mm

Controlling the DSP

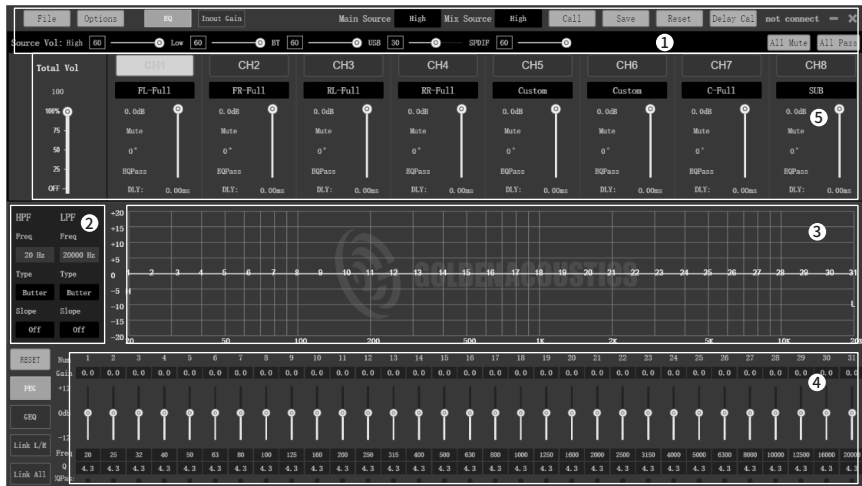


Connecting via USB to a Windows PC



Bluetooth music

Connecting via Bluetooth to Phone



(1) Main menu editing area

Can be loaded and saved as computer scene files, load and save scene files of the whole machine; switch between Chinese and English, firmware update, about (check version number) and restore factory settings, etc..

(2) Filter editing area

Type of high-pass and low-pass filters, adjustable filter type, frequency and slope.

(3)Curves display area

Here all curves of output channels can be selected to be displayed

(4)Equalizer setting

Functions about EQ and a simple input source setting, as well as delay selection.

(5)Output channel

The volume, mute and phase settings of the output channel; channel alias setting for active crossover, and delay value (time or distance) input text field for you to align the speakers or set the position of sound field.

SUBSCRIBE FOR MORE INFO



Wechat
Public Account



Wechat
Channels



DouYin
Channels

WWW.HUISHENGAUDIO.COM

Copyright © 2026 GOLDEN ACOUSTISC All Rights Reserved.