

CS1212 brief introduction

1. Main functional features:

2 low-level inputs, 12 high-level inputs, Bluetooth inputs, U disk playback, optical fiber input (up to 96KHz sampling rate);

12 high-level outputs, 12 RCA outputs.

High levels can be mixed and output with other sources.

1.1 DSP function:

Matrix routing function, each output channel selects the input signal source.

12×31 segment PEQ, multi-slope high-low pass function.

12 channels of independent delay adjustment.

Support input EQ, delay, high and low pass filter settings.

1.2 Output Power (14.4V Supply, Including Line Loss):

RMS: 10x60W+2x80W@4Ω (Bridge 1X200W)

1.3 Complete protection:

Power supply reverse polarity protection, over current protection, under voltage protection, over voltage protection, load-dump protection, power amplifier output short circuit protection, etc.

1.4 Dual-mode BluetoothV5.0.

1.5 Start-up mode, switch to ACC or high start-up.

1.6 1.6 Support mobile PC tuning.

1.7 Six EQ modes can be preset.

1.8 Support color screen wire control.

1.9 Dimension: 296x193x57mm

1.10 Support lossless playback function. Supported files:

.MP3 .WAV .FLAC .WMA。

2.Amplifier index

Note: The following indicators and diagrams, using 4Ω load, all use APX515 audio analyzer, indoor ambient temperature is 25°C, and the voltage across the dedicated line power supply is 14.4V。

Parameter	Test condition	Min	Typical	Max	Unit
High input impedance			51		Ω
Low input impedance			15K		Ω
High input voltage	It is formulated according to the pre-amplifier, and when the maximum pre-stage effective value, the power amplifier outputs the maximum power		9.2		Vrms
Low input voltage	It is formulated according to the pre-amplifier, and when the maximum pre-stage effective value, the power amplifier outputs the maximum power		2.5		Vrms
Continuous output power	4Ω load, 1K sine wave, full power continuous load test greater than 20 minutes, THD<1%, A-weighting		60x10 80x2		W
CH1~CH12 CH1 ~ CH12, Output voltage,maximum	When the corresponding amplifier channel outputs THD<1%, the RAC outputs THD<0.05%.		2.5		Vrms
Frequency	0~-3dB	20		20K	Hz

THD+N	PA channel	4Ω load, 50W output		0.8		%
	CH1~CH12	2Vrms output, APX515 input impedance 200KΩ		0.05		%
Noise Level	PA channel	4Ω load, A-weighting		-73		dBv
	CH1 ~ CH12	A-weighting, APX515 input impedance 200KΩ		-89		
S/N	PA channel	4Ω load, 50W output,1K sine wave,A-weighting		95		dB
	CH1 ~ CH12	1Vrms output, APX515 input impedance200KΩ,A-weighting		95		
Dynamic Range AES17	PA channel	4Ω load, 1Ksine wave,Signal level range-60dB, A-weighting		90		dB
	CH1 ~ CH12	1Vrms output, input impedance 200KΩ,A-weighting		90		
Crosstalk	PA channel	4Ω load, 50W output,1Ksine wave,A-weighting,		85		dB
	CH1 & CH12	Absolute value		85		
SMPTE	PA channel	4Ω load, half power output power output, Frequency1: frequency sweep 40~1kHz, Frequency 2: 7kHz, Amplitude ratio 4: 1.		0.3		%
	CH1 ~ CH12	1Vrms output, APX515 input impedance 200KΩ,A-weighting		0.05		

3.Interface definition:

1. Color screen in-line interface
2. USB connection PC computer interface
3. U disk interface
4. Bluetooth indicator
5. Low level input
6. RCA1~12 output
7. COAX input
8. Optical input
9. 12V power interface
10. 12 high-level outputs
11. high-level inputs
12. Start mode switch
13. Power LED

