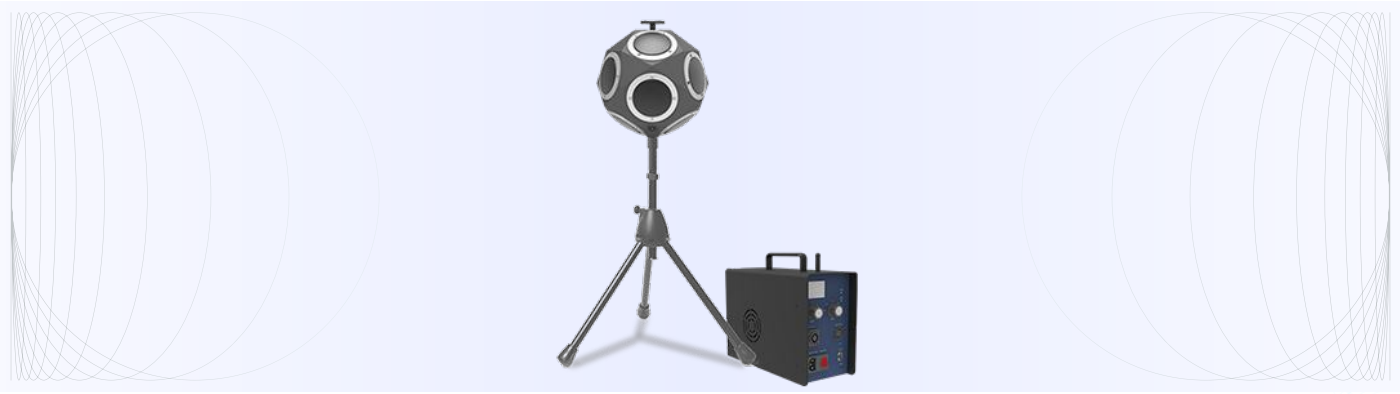

CRY3612

Dodecahedron Sound Source Kit

Features

- **Applications**

  Reverberation Time Measurement
  Sound Insulation Measurement
  Room Absorption Measurement
  Reflection Coefficient / Absorption Coefficient Measurement

- Applicable Standards

  JJF1468-2014
  GB/T6882-2008

Introduction

The CRY3612 dodecahedron sound source kit consists of a dodecahedron speaker and a power amplifier. The dodecahedron speaker is an omnidirectional sound source that evenly transmits sound in all directions, ensuring reproducible and reliable results.

The CRY3612 dodecahedron sound source can be used as a point source in architectural acoustics testing, mainly for reverberation time measurement, sound insulation measurement, auditorium acoustics measurement, room sound absorption measurement, reflection coefficient or absorption coefficient measurement, and outdoor sound propagation applications.

Highlights

- Supports AC 110V-220V power supply
- Features 1 Line-in input
- Provides 1 amplified output
- Offers 5-level volume adjustment via rotary knob
- Built-in sound sources: sweep, white noise, and pink noise signals (selectable via knob)
- Supports 5 preset sound sources (1 customizable)
- Includes RF remote control for sound source selection, start/pause, and volume adjustment
- Equipped with Bluetooth module
- Comes with protective case

Product Configuration

- Dodecahedron speaker
- Power amplifier
- Wireless remote control
- Desktop stand for dodecahedron speaker
- Power cable for amplifier
- 5m speaker cable with banana plugs
- Tripod

Technical Specifications

Dodecahedron Sound Source

Total Output Power	180 W
Input Impedance	3.4 Ω
Maximum Positive Power Loss	107dB 1kHz
Frequency Range	80Hz-16kHz
Output Interface	4 Pin Speakon
Weight	5.25 kg
Dimensions	300mm

Wireless Communication Device

Operating Frequency	433MHz
Transmission Distance	Approx. 0km
Radar Mode	ASK
Weight	70g
Dimensions (L×W×H)	142mm*30mm*15mm
Power Supply	2 AA batteries
Bluetooth	Connects with APP

Power Amplifier

Total Output Power	238 W，4Ω（@1% THD）
Frequency Response	20 Hz-20 kHz
Load Resistance	≥ 3Ω
Dynamic Range	29.753 dBV
Maximum Bearing Capacity Output Voltage	30.74 Vrms(Distortion<1.5%)
Maximum Input Holding Voltage	1.219 Vrms
Balance Coefficient	+ 0 / -2dB@20Hz ~ 20kHz
Stability Ratio	>93dB
Current Channel (dB)	-20, -15, -10, -5, 0
Protection	Over-speed, Over-high, Over-low
Output Interface	4 Pin Speakon
Input Interface	XLR Balance
Weight	2.8 kg
Dimensions (L×W×H)	295mm * 120mm*200mm
Power Supply	AC 220V/50Hz

Precautions

1. Replace batteries correctly to ensure proper connector functionality.
2. Avoid interference from other wireless devices or system equipment if the connector fails to connect remotely.
3. Protect power cables from excessive strain during use due to their limited flexibility.
4. Do not mix cables with other models; keep wiring simple to prevent short circuits and ensure insulation.
5. After use, store in a protective bag to prevent dust and moisture exposure.
6. The amplifier automatically shuts off output in cases of high temperature or overcurrent conditions, and features an uto-retry function.

Product Usage

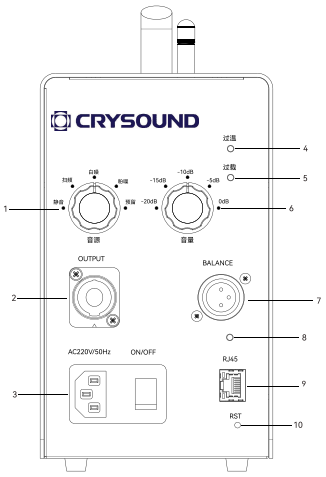

Figure 1 Front Panel of Power Amplifier

No.	Name
1	Volume Adjustment Button
2	Output Interface
3	Power Input/Switch
4	Over-Temperature Indicator
5	Overload Indicator
6	Volume Knob
7	Input Interface
8	Status LED
9	Network Port
10	Reset Button
11	Ground Terminal

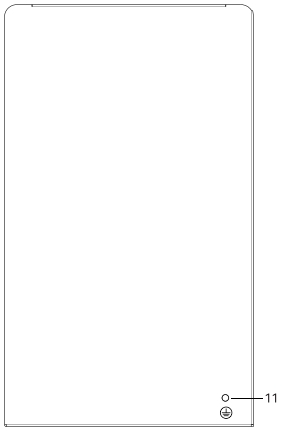

Figure 2 Rear Panel of Power Amplifier

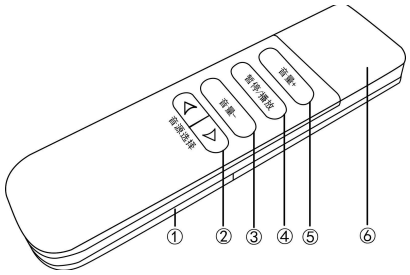

Figure 3 Wireless Remote Control

NO.	Name
1	Battery Compartment
2	Source Switch Button
3	Volume -
4	Play/Pause Button
5	Volume +
6	Digital Display