



CON-ARRAYSPEAKER

Complete audio system, including speakers, mic & receiver

Features

- Integrated design: The control panel integrates MIC receiver, preamplifier, audio processor, centralised controller, power sequencer, etc.
- Quick Start: Press one button to power on the system
- Beam-forming Control: Adjustable beam-forming area with built-in software settings
- Audio over Ethernet: Digital Dante interface supported
- Reliable Installation: Wall-mount available for speakers
- Digital Signal Transmission: It supports Bluetooth and wireless U-band frequency audio transmission
- External Control: Supports remote control by an external control panel
- Easy Setup: Built-in power supply in the column loudspeaker and easy deployment
- Optional Accessories: MIC & control panel
- Connectivity: Supports (LINE-IN&OUT, XLR differential signal input and optical signal input)

CON-ARRAYSPEAKER	
Specifications of Digital Active Array Column Loudspeaker	
Maximum Sound Pressure Level (SPL)	109dB SPL@1m
Total Harmonic Distortion (THD+N)	≤3% @ 1m, 0.5Vrms, 1kHz
System Noise Level	NR-20
Frequency response range	150Hz~20kHz (-10dB)
Type of Enclosure	Sealed
Volume of Enclosure	About 2.79L
Material of Enclosure	Aluminium Alloy
Number of Speakers	8pcs
Size of Speakers	2.75"
Output Power of the Amplifier	32W×8CH
Power Amplifier Specifications	D type 100W/CH, 8CHs in total
Amplification Range (Horizontal)	100°
Amplification Range(Vertical)	Tilting 30°-90° (Adjustable with Software)
	Width 10°-110° (Adjustable with Software)
Specifications of Integrated Digital Loudspeaker Control Panel	
MIC receiver	UHF with 16 Bands, Dual Channel, Anti-oscillation

Power Sequencing	Supported
Signal-to-noise Ratio	Analogue Channel: 85dB@500mVrms, 1kHz
	Digital Channel: 85dB@500mVrms, 1kHz
Frequency Response	20Hz~20kHz (±1dB, in Standard Mode)
Controls	Power On/Off, Volume Adjustment
Bluetooth	BT5.0
EQ	Standard, Conference
Specification of Microphone	
Quantity	2
Style	Handheld
Frequency Band	UHF 633MHz-695MHz (2 channels, each with 16 bands are available for settings each)
Battery	AA
Electrical Specification (Digital Active Array Column Loudspeaker)	
Power Input	100V-240V AC 50Hz/60Hz 2A
Maximum Power Consumption	200W
Standby Power Consumption	≤0.5W
Electrical Specification (Control Panel)	
Power Input	DC 15V 1.2A
Maximum Power Consumption	18W
Standby Power Consumption	≤1W
I/O of Control Panel	
USB Type A (for Debug and Update)	1
XLR IN	2
Speaker OUT (Phoenix Socket-outlet)	2
LINE IN	2
LINE OUT	2
RJ45(Dante)	4
Optical IN	1
Integrated Controller	1
Power Interface	1
Button	On/Off Button, Return Button, Confirm Button
Physical Specification (Digital Active Array Column Loudspeaker)	
Dimensions (L×W×D)	46 x 4 x 3 in (1168×98×64.7 mm)
Package Dimensions (L×W×D)	50 x 10 x 8 in (1283×265×208 mm)
Thickness (Wall Mount Included)	71.6mm
Specifications of Wall-mounted Screws	TA5×40mm
Net Weight	14 lbs (6.2kg)
Gross Weight	32 lbs (14.6kg)
Physical Specification (Control Panel)*	
Dimensions (L×W×D)	9 x 7 x 2 in (232×176×50 mm)
Package Dimension (L×W×D)	16 x12 x 4 in (417×306×97 mm)
Net Weight	2.7 lbs (1.25kg)
Gross Weight	6.8 lbs (3.1kg)
Accessories	
Power Cable (Packaged with the Column Speaker)	×2 (3m)
Wall Mount (Packaged with the Column Speaker)	×2
Rack Mount (Packaged with the Control Panel)	×3
Antenna (Packaged with the Control Panel)	×4
Adapter (Packaged with the Control Panel)	×1
Audio Cable (Packaged with the Control Panel)	×1
Silicon Case for Handheld Microphone (Packaged with the Control Panel)	×2
Documents	
Quick Guide	×1
User Manual	×1
Warranty Card	×1
Environment	
Operation Temperature	32°F - 104°F (0°C - 40°C)
Operation Humidity	10% - 90%RH
Storage Temperature	-4°F - 140°F (-20°C - 60°C)
Storage Humidity	10% - 90%RH
Altitude	Below 5000 metres

Ordering Information

CON-ARRAYSPEAKER: Audio system