







TAIDEN[®]

8 Units Two-way Directivity
Controllable Column Loudspeaker

Unique Design Stunning Sound

-  Adjustable vertical beam angle and width
-  Individually adjustable dual beams
-  Independent switch for beam sidelobe suppression
-  Adjustable beam splitting point
-  AES/EBU and analog dual signal input with hot backup
-  Composite carbon fiber units



Overview

HCL-804A 8 Units Two-way Directivity Controllable Column Loudspeaker comes with 8×4" midwoofers and 24×0.75" tweeters. Three tweeters form a linear tweeter sub-array in combination with a coaxial transducer and a midwoofer allowing smoother off-axis response and wider high frequency directivity. Built-in 8-channel DSP engine and high-performance class D digital amplifier can control each array element with high precision in a programmable manner. It can be decomposed into two independent beams to control vertical beam angle and width, beam splitting point and sidelobe suppression.

It provides simultaneous input of analog audio and AES/EBU digital audio signals to achieve hot backup. System setting and monitoring are all carried out via standard Ethernet, which is efficient and convenient.

Applications



Large Meeting Rooms



Small and Medium Meeting Rooms



Multifunction Halls



Ballroom



Lecture Halls



Hotels



Specifications

Item	Parameter
Frequency Range	100Hz-20kHz (± 3 dB) / 80Hz-22kHz (-10dB)
Sensitivity	103dB
Rated Power	400W (AES)
Max SPL	129dB SPL, 135dB SPL peak
Midwoofer Unit	8 \times 4" complex carbon fiber diaphragm midwoofers
Tweeter	24 \times 0.75" nano carbon fiber diaphragm tweeters
Horizontal Coverage Pattern	100°
Vertical Coverage Pattern	-45°- + 45° (accuracy of 0.1 degree)
Beam Control	Individually adjustable dual beams and beam splitting point
Beam Width	12°-90°
Coverage Area	3m-30m
AD & DA	24bit-96kHz
Control Interface	RJ45
Input	An AES/EBU input, an analogy input
Enclosure Material	Aluminum + surface coating
Dimensions (H \times W \times D)	1000 \times 131 \times 158mm
Weight	15kg

