

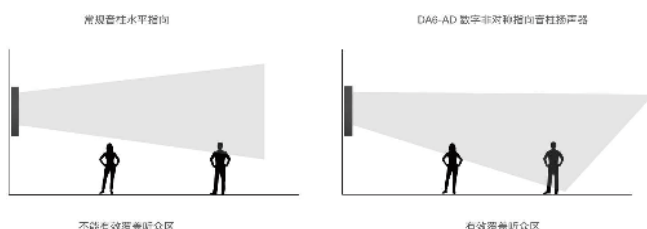


**DATA SHEET**

**Digital Asymmetric Directional Column Speaker  
DA6-AD**

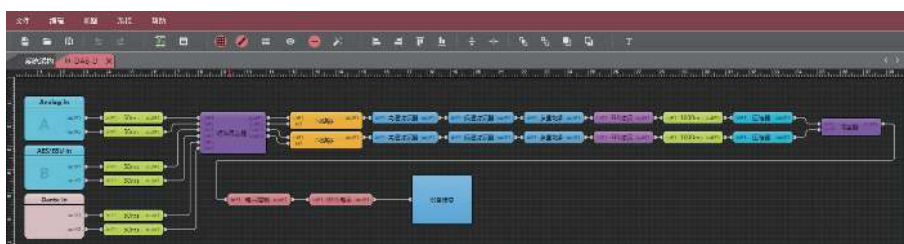
The DA6-AD is the optimal solution for amplifying speech and music in a variety of venues. It is specifically designed to deliver high-definition audio in small to medium-sized spaces, particularly those with challenging acoustic conditions and extended reverberation times, such as auditoriums, exhibition centers, and places of worship.

DA6-AD utilizes FEAC (Fixed Electronic Angle Control) technology, which provides fixed electronic directivity control. It features a preset asymmetric downward-tilted beam orientation that is commonly used in conference halls, making it ideal for the needs of small to medium-sized venues.



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**Product Attributes**

- Features six high-quality 3-inch full-range drivers and two silk dome high-frequency drivers for exceptional audio.
- Utilizes independent DSP channels and Class-D amplifier modules for enhanced performance.
- Incorporates FEAC technology with asymmetric beam vertical coverage: 25° vertical angle (5° downward tilt) and a horizontal range of 135° to 85° for conference spaces.
- Equipped with a high-performance DSP chip for 48kHz sampling and 24-bit AD/DA conversion.
- Offers 2 analog inputs, 2 Dante inputs, and 2 AES/EBU inputs for versatile connectivity.

**Application Scenarios**

- Conference room/Lecture hall
- Multi-purpose hall/Command center
- Concert hall

# DA6-AD

Type:	Digital asymmetric directional column speaker
Frequency Response:	80Hz-18kHz ( $\pm 3$ dB) 72Hz- 19kHz ( $-10$ dB)
Calculated Max SPL*:	125 dB Peak 96 dB Peak (30m) 98 dB Peak (20m)
Power Output:	220W RMS (rated), 500W Peak Note: 8-channel high-quality professional audio power amplifier
Horizontal coverage angle:	Horizontal coverage angle 135° (3.5k Hz) Horizontal coverage angle 85° (7 k Hz)
Vertical coverage angle:	Asymmetric beam vertical coverage, coverage angle 25° Beam vertical pointing tilt angle -5°
Transducers:	6×3 inch 82.9mm premium full-range driver; 2×1" silk dome high-frequency driver
DSP function module:	Independent dual-channel input with DSP processing, adjustable input delay of 50ms, matrix mixing, priority mixing ducking, high-pass filter, low-pass filter, 12-band parametric equalization, independent pre-FIR filter, delay of 1000ms, compression limiter, level control, and RMS level meter, along with temperature monitoring and fixed electronic angle control technology (FEAC - Fixed Electronic Angle Control)
User DSP:	48 kHz (24-bit), 24-bit AD/DA conversion
AES/EBU Sampling Rate:	supports 24-bit / 44.1 kHz, 48 kHz, 88.2 kHz, and 96 kHz sampling rates
Sensitivity:	20 dBu, 7.75 V RMS analog signal
Impedance:	10k ohms analog signal
THD+N Distortion:	+4dBu A-weighted 0.0008% analog input
Input Connectors (Channels):	Analog (analog signal) x 2, Dante (network audio) x 2, AES/EBU (digital signal) x 2
Port Connection:	Control RJ45*1; USB Type B*1; Dante RJ45*1 AES/EBU 3P-PIN*1; Analog 3P-PIN*2
Enclosure:	Aluminium alloy combination box DA6-AD Black matte finish DA6-AD-W White matte finish
Mounting:	The package includes an L-shaped wall mount The bottom of the box has a reserved M20 standard speaker bracket hole The speaker includes a combined assembly connection plate
Dimensions:	130 x 136 x 1,038mm (WxDxH)
Weight:	12.6 kg (accessories not included)

Note: \* The loudspeaker employs an unweighted peak sound pressure level, measured at a distance of 1 meter under full space conditions, utilizing full-band pink noise with a 12dB crest factor. The beam's acoustic centre is positioned centrally, with the beam directed horizontally.

\*aiwia retains the ultimate authority to interpret this information; the technical specifications of related products may change without prior notice.

