D7411 / D7412 / D7413 / D7414

AI Desktop Speaking Chairman / Delegate Unit

Remarks:

D7411 (AI Desktop Speaking Chairman Unit with Square Microphone rod)

D7412 (AI Desktop Speaking Delegate Unit with Square Microphone rod)

D7413 (AI Desktop Speaking Chairman Unit with Gooseneck Microphone Rod)

D7414 (AI Desktop Speaking Delegate Unit with Gooseneck Microphone Rod)

The products here take D7411 D7412 as an example.

Description

The D74 Series Intelligent Digital Conference System is built on a professional ARM platform and integrates advanced DSP audio processing with high-fidelity circuit design. Offering high-quality audio transmission and reliable digital control, it provides an all-in-one solution for modern conference applications. The system includes the D74 Series Conference Host—comprising the digital conference system host and conference units—and supports features such as speech discussion, conference cascading, and seamless AI speech-to-text integration. With hand-in-hand connection via 8-core cables and cross-shaped adapters, the system ensures easy installation, stable performance, and strong anti-interference capability.

The conference unit serves as the essential device for participants to engage in and operate the conference. Conference units are the basic devices used by participants to attend and operate the conference. These units include chairman units, delegate units, and speech-only units. Different participants are assigned different types of units; for example, the chairman is equipped with a chairman unit that holds full control and operational authority over the conference order. All units are powered centrally by the control host and feature built-in speakers, headphone jacks, and LED indicators.
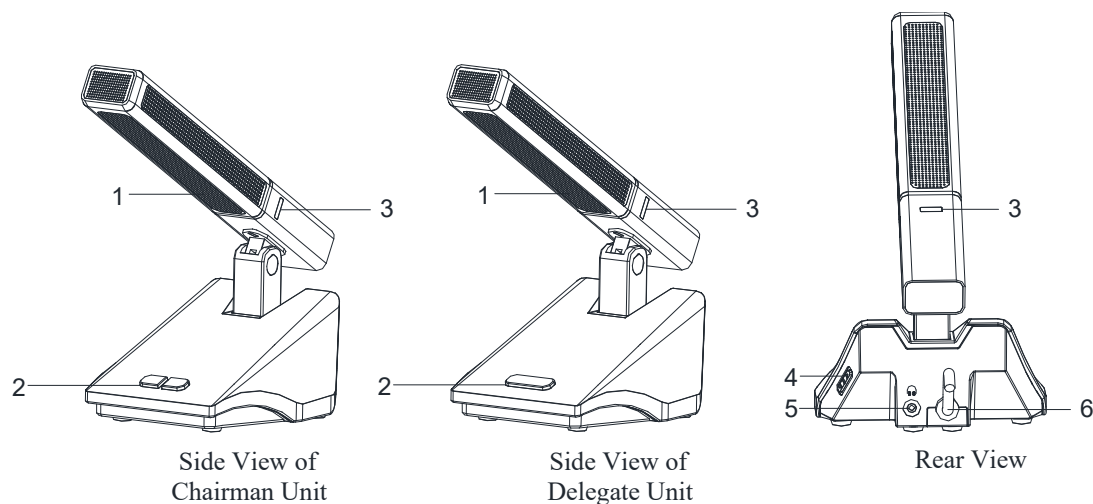
The conference units feature ultra-long pickup, high gain, intelligent noise reduction, and real-time feedback suppression for clear and natural sound. They adopt an electret cardioid condenser microphone with a red indicator light and include AI desktop chairman and delegate models with square or gooseneck microphone rods. Each unit has a unique ID that can be reset via the host, while the chairman unit supports request approval and priority control. Powered by the central controller with a 12V input, the units are easy to install, user-friendly, and designed with a sleek modern style.

Features

- Ultra-long pickup distance with high sound gain.
- Comes with a dedicated 2-meter 8-core DIN high-density cable with an aviation male connector.
- Utilizes an electret cardioid condenser microphone with an integrated, non-detachable microphone rod and a red speaking indicator light. The speaking indicator remains steady when speaking and flashes when a speaking request is made.
- Microphone volume can be adjusted via buttons on the unit or through the host.
- When used with the conference host, microphone audio processing parameters can be adjusted.
- Equipped with a microphone on/off button, the chairman unit has a chairman priority button. Speaking and unit ID assignment can be performed via the microphone on/off button.
- Each conference unit has a unique ID number, which can be deleted by pressing and holding the microphone on/off touch button. ;
- The chairman unit supports approval of delegates' speaking requests and features a priority function for full control over meeting order. Its connection position is not restricted.
- The units are passive devices, connected to the host via an 8-core DIN high-density cable and powered by the system host (DC 12V input).
- The chairman unit can approve delegates' speaking requests.
- The chairman unit has the priority function of having full control of the order of the Conferences.
- Its connection position is not restricted.
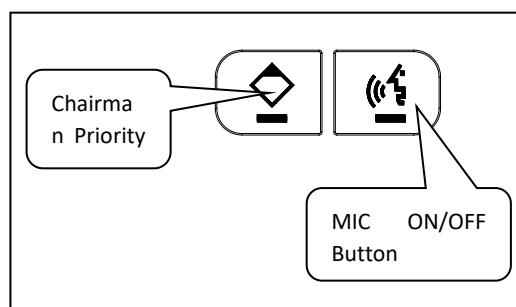- Connection in "hand-in-hand" "T" and "+" modes.

Specifications

Model		D7411 / D7412 / D7413 / D7414
Structure Type		Desktop Design.
Effective Frequency Range of Gain Limit (±3dB)	Unit to Host LINE OUT	80Hz-12kHz
Static Power Consumption		<1.5W
Max. Power Consumption		3W
SNR		＞80dB
Crosstalk Attenuation		＞80dB
Harmonic Distortion		＜0.3%
Working Power		Power by the host with DC12V
Unit Interface		8-pin DIN dedicated interface
MIC	Microphone Type	Electret Cardioid Condenser
	Sensitivity	-45dBV/pa
	Input Impedance	2kΩ
	Equivalent Noise	20Db (SPL)
	Max. SPL	125dB (THD＜3%)
Package Size		385x345x201mm
Product Dimensions		(Excluding Mic Rod) (L×W×H): 142×130×62mm
Gross Weight		2.7kg(2 PCS Per Pack)
Net Weight		0.8kg

Side View of
Chairman Unit

Side View of
Delegate Unit

Rear View

1. Microphone Rod

2. Mic On/Off Button & Indicator

● The microphone switch button / speech request button and indicator light on the delegate speaking unit. When the button is pressed to activate the microphone, the indicator light turns on during ID reassignment. When the button is pressed to submit a speaking request, the light flashes while waiting for the chairman's approval. (During the approval process, the microphone rod indicator flashes while the button light remains off.)

● The microphone on/off button and the chairman priority button and indicators of the chairman unit.

Chairman Priority

MIC ON/OFF Button

● The indicator lights up when performing unit ID reassignment or pressing the MIC ON/OFF button to activate the microphone.

● During chairman approval of speaking requests, pressing the Chairman Priority Button prohibits delegate units from speaking; pressing the MIC ON/OFF button allows delegate units to speak.

During ID reassignment, pressing the MIC ON/OFF button assigns the ID. Once the ID is assigned, both the microphone rod and button indicators turn off.