

HCS-4857D/82 Delegate Unit



Features

- Stylish and ergonomic design
- Light aluminum alloy material with good heat dissipation
- Microphone stem can be lifted or lowered independently for perfect storage
- Based on TAIDEN MCA-STREAM 2.0 (Multi_Channel_Audio STREAM) digital processing and transmitting technologies
- Full digital audio technology, built-in high performance CPU, faster processing speed, better sound quality
- Supporting 48 kHz audio sampling rate
- Supporting "PnP" (plug and play)

The delegate unit meets the basic demands of conferences. It provides facilities for speaking and registering a request-to-speak. It has excellent immunity to RF interference from mobile phones.

Functions

- Compliant to ISO 22259
- "Closed Loop - Daisy Chain" connection topology for a high operational system reliability: breakdown or replacement of a Congress Unit and connection failure of a cable will not influence other Congress Units
- Based on TAIDEN MCA-STREAM 2.0 digital audio processing and transmitting technology
- Proprietary MCA-STREAM 2.0 technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Lifting microphone
- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic recovery facility, supporting "PnP" (plug and play)
- Microphone On/Off button
- Mini-microphone, with foam windshield
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance

- The microphone can be centrally controlled through the conference system software to rise, fall and pause
- Facilities in independent operation from computer:
 - ◆ Set the number of delegates permitted to speak at the same time
 - ◆ Speak mode: Open/Override/Voice/Request/PTT
 - "Open" mode, microphone On/Off button with request-to-speak registration (AUTO)
 - "Override" mode, microphone On/Off button control with override of the active microphones (FIFO)
 - "Voice" mode, acoustic active sensitivity and automatic switch-off time adjustable continuously, built-in "flash-on" technology, immediate microphone activation on speaking
 - "Request" mode, delegate requests to speak by pressing microphone On/Off button, delegate only speaks when operator or chairman approved his application
 - "PTT" mode, press microphone On/Off button to talk
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Activation at any time (if the amount of active microphones in the system is less than 8)
- Set any delegate unit to be VIP unit
 - ◆ VIP unit can be activated as long as the total of active microphones is not beyond 8 (incl. chairman/delegate/VIP unit)

Controls and Indicators

- Hypercardioid uni-directional I electret condenser microphone
- Microphone On/Off button with indicator
- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring

Interconnections

- One DC slot for connecting to +12V power adapter
- 2 × RJ45 socket for daisy chain connection (be sure to use the network cable with an ESD drain wire and RJ45 plug with metal shell)
- RS485 interface can be used to connect the central control system

Technical Specifications

Electrical

Power supply.....12V,3A

Microphone

Transducer.....Ø16mm gold-plated electret-condenser

Polar pattern.....Hypercardioid uni-directional

Sensitivity.....-37dB (0dB=1 V/Pa)

Frequency response.....20 Hz to 20 kHz

Directivity 0°/180°.....≥ 28 dB (@ 1 kHz)

≥ 28 dB (@ 2 kHz)

≥ 26 dB (@ 4 kHz)

Equivalent noise.....20 dBA

SNR.....74 dBA

Maximum sound pressure level.....139dB @ 1kHz, THD<3%

Mechanical

Mounting.....Flush-mounting

Dimensions (h × w × d).....695 × 58 × 175mm

Microphone length.....41 cm
Weight.....3.1kg
Color.....Black (PANTONE 419 C)

Ordering Information

HCS-4857D/82.....Fully Digital Congress System Delegate Unit
(flush-mounting, discussion, retractable
microphone Ø16mm gold-plated
large-diaphragm high performance electret
condenser microphone, microphone and
adapter are included, black)