

## HCS-4857D 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 originated 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, all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Supporting “PnP” (plug and play)

The delegate unit meets the basic demands of conferences. It provides facilities for speaking and listening and adjust different volume and frequency response for different speaker voice characteristics to perfect effects.

### Functions

- Compliant to ISO 22259
- Based on TAIDEN originated 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)
- Invisible 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

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

### Interconnections

- One DC slot for connecting to +12V power adapter
- Two Gigabit network ports for “daisy chain” connection
- RS485 interface can be used to connect the central control system
- 2x RJ45 for central control system

### Technical Specifications

#### Electrical

Power supply.....15V,5A

#### Microphone

Transducer..... Electret-condenser, 14mm gold-plating capacitance sound head

Polar pattern..... Uni-directional

Sensitivity.....-37 dBV/Pa

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

Input impedance.....2kΩ

Directivity 0°/180° ..... > 20 dB (1 kHz)  
 Equivalent noise ..... 20 dBA (SPL)  
 Maximum sound pressure level ..... 139dB (THD<3%)

**Mechanical**

Mounting ..... Flush-mounting  
 Dimensions (h x w x d) ..... 175 x 70 x 720 mm  
 Hole size(mm) ..... 152.5x59  
 Microphone length ..... 410mm  
 Weight ..... 3.1g  
 Color ..... Black (PANTONE 419 C)

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**Ordering Information**

HCS-4857D ..... Fully Digital Congress System Delegate  
 Unit (flush-mounting, discussion, retractable microphone,black)