HCS-4813D Delegate Unit with Voting and Channel Selection

Features

- **Stylish and ergonomic design**
- **Exquisite and delicate tabletop design for ease of use and transport**
- **Cable coming out of the base for a tidier wiring**
- **Invisible microphone**
- **Microphone On/Off button**
- **5 voting keys**
- **Braille is present for physical buttons**
- **OLED screen with high brightness and contrast, wide viewing angle and low power consumption**
- **"Closed Loop - Daisy Chain" connection topology**
- **Transmitting up to 64 CHs high quality digital audio signals on a dedicated 8-pin cable**
- **Built-in channel selector consists of channel select keys and channel indicator display**
- **Excellent immunity to RF interferences from mobile phones**
- **Separate adjustment of gain and EQ (5 band) of each microphone for the perfect sound**
- **Supporting "PnP" (plug and play)**

The multi-functional delegate unit meets the demands of even the largest conferences. It provides facilities for speaking, listening, voting and selecting language channels and offers excellent immunity to RF interferences from mobile phones. It features a channel selector with automatic limitation to the number of language channels available.

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 originated MCA-STREAM digital audio processing and transmitting technology
- Proprietary MCA-STREAM technology used to transmit fully digital audio between the congress units as well as between congress units and main unit(s)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- 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
- Built-in adaptive feedback suppression (AFC) and adaptive noise control (ANC) functions to improve the system's audio gain, and always maintain a clear and stable pickup effect
- Transmitting up to 64 CHs high quality digital audio signals on a dedicated 8-pin cable (general cat5e cable with a drain wire substitutable)
- Supports up to 64 (1+63) CHs simultaneous interpretation
- Supports 48 kHz audio sampling, and all 64 channels perfectly reproducing audio frequencies between 20 Hz and 20 kHz
- Automatic recovery facility, supporting "PnP" (plug and play)
- Excellent immunity to RF interferences from mobile phones and comparable devices
- Microphone On/Off button
- 5 voting keys, Key-press sign-in
- Braille is present for all physical buttons
- An ID can be assigned by default or manually to each conference unit bearing a unique serial number for convenient maintenance
- 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
  - ◆ Simultaneous interpretation
- Multiform voting in combination with the corresponding software modules
- Automatic video tracking implementation when cooperating with cameras and video switcher unit; preset positions on PC
- Set any delegate unit to be VIP unit
  - ◆ Up to 32 units can be set as VIP in one system via application software
  - ◆ 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

- Graphic 128x36 OLED for displaying Channel number and language name
- Built-in channel selector with channel select buttons
- Uni-directional electret condenser microphone

- Five voting buttons with indicators
- Headphones volume up and down
- Microphone On/Off button with indicator

Interconnections

- Ø 3.5 mm stereo headphone jack with volume control
- 1.5 m cable with 8P-DIN plug
- 0.6 m cable with 8P-DIN socket

Technical Specifications

Electrical

Max. consumption	1.8 W

Headphone connection

Frequency response	20 Hz to 20 kHz
Earphone load impedance	≥16 Ohm
Earphone output power	10 mW

Microphone

Transducer	Electret-condenser
Polar pattern	Uni-directional
Sensitivity	-46 dBV/Pa
Frequency response	50 Hz to 20 kHz
Input impedance	2 kOhm
Directivity 0°/180°	> 20 dB (1 kHz)
Equivalent noise	20 dBA (SPL)
Maximum sound pressure level	125dB (THD<3%)

Interface data

Connector	Ø 3.5 mm stereo jack for headphone

Mechanical

Mounting	Tabletop
Dimensions (h × w × d)	52 × 201 × 119 mm
Weight	0.7kg
Color	Black (PANTONE 419 C)

Ordering Information

HCS-4813D   Fully Digital Congress System Delegate Unit (tabletop, invisible microphone, 5 voting keys, 64 CHs, black)