

## HCS-4891RD/82 Delegate Unit



### Features

- Elegant and ergonomic design
- Exquisite and delicate tabletop design for ease of use and transport
- Cable coming out of the base for a tidier wiring
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable, range : -35° ~+50°
- Exquisite and sleek 4.3" touch screen for information display of meeting proceedings
- Supports custom boot screen and background picture
- "Closed Loop - Daisy Chain" connection topology
- Supporting 48 kHz audio sampling rate
- Water resistant and noise-free button with long service life
- Excellent immunity to RF interference 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, registering a request-to-speak, listening. Excellent immunity to RF interference from mobile phones. A 4.3" touch screen can display speaking list, operation menu, etc.

### 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 technologies
- 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)
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Rectangular columnar microphone, the pitching angle of the microphone is adjustable

- Gain and EQ (5 band) of each microphone adjustable separately, fitting the individual orator's voice to achieve perfect speech pickup any time
- Supporting 48 kHz audio sampling rate
- Integrated high-pass filter (low-cut switch) to cut low frequency elements from the audio when needed
- Automatic system recovery and "PnP" (plug and play)
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- Hand up button (discussion mode)
- 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
- Automatic video tracking implementation when cooperating with cameras & video switcher unit; preset positions on PC
- 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

- 4.3" touch screen for displaying:
  - ◆ Speaking list, timing speaking information, delegate information
  - ◆ Screen brightness, system language and unit information
- Hypercardioid uni-directional electret condenser microphone with bi-color illuminated ring
- Headphones volume control
- Microphone On/Off button with indicator

### Interconnections

- 2xØ 3.5 mm stereo headphone jacks
- 1.5 m cable with 8P-DIN plug
- 0.6 m cable with 8P-DIN socket

### Technical Specifications

#### Electrical

Max. consumption.....2.7 W

#### LCD

Dimension.....4.3"

Resolution.....800x480

Contrast.....800:1

#### Headphone connection

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

Earphone load impedance.....≥16 Ohm

Earphone output.....10 mW

**Microphone type**

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°/120°..... ≥ 28 dB (1 kHz)  
..... ≥ 28 dB (2 kHz)  
..... ≥ 26 dB (4 kHz)  
Equivalent noise.....20 dBA  
Maximum sound pressure level.....132dB@1kHz, THD≤0.5%

**Interface data**

Connector.....2xØ 3.5 mm stereo jacks for headphones

**Mechanical**

Mounting.....Tabletop  
Dimensions (h x w x d).....68 x 99 x 145 mm (base)  
.....37 x 37 x 241 mm (microphone)  
Weight (incl. microphone).....1.4 kg  
Color.....champagne (PANTONE 401 C) microphone +  
black (PANTONE 419 C) base

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**Ordering Information**

HCS-4891RD\_S/82... Fully Digital Congress System Delegate Unit  
(tabletop, discussion, 4.3" touch screen,  
rectangular columnar metal microphone,  
Ø16mm gold-plated large-diaphragm high  
performance electret condenser microphone,  
champagne microphone + black base)