

## HCS-4841NC/50 Chairman Unit



### Features

- Flush-mounting, stylish and ergonomic design
- Pluggable microphone
- Priority button
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Gain and EQ (5 band) of each microphone adjustable separately
- Supporting "PnP" (plug and play)

The stylish and ergonomically designed chairman unit has the necessary facilities to enable the user to chair a conference. It has excellent immunity to RF interference from mobile phones. Similar in appearance to HCS-4841ND/50 Delegate Unit, the HCS-4841NC/50 Chairman Unit includes a microphone priority button. When pressed, the priority button causes all currently active delegate microphones to be switched off temporarily or permanently, allowing the chairman to take control of the meeting.

### Functions

- Compliant to IEC 60914
- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- 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 recovery facility, supporting "PnP" (plug and play)
- Stem microphone can be unplugged during adjournment, easy to maintain
- Mini-microphone, with foam windshield
- Excellent immunity to RF interference from mobile phones and comparable devices

- Microphone On/Off button
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID forever
- Facilities in stand-alone operation:
  - ◆ Set the number of delegates permitted to speak at the same time
  - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/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
    - "APPLY" mode, delegate applies 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
- Activation at any time (if the amount of active microphones in the system is less than 6)
- Priority button to switch off or to mute the delegate units according to preset
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while all or part chairman units have the control facilities listed above (set by software or main unit)

### Controls and Indicators

- Uni-directional electret condenser microphone with illuminated ring (red)
- Microphone On/Off button with indicator
- Priority button

### Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340CAT/50 or HCS-4340CAF/50 (Multi-function Connector) via Cat.5 cable

### Technical Specifications

#### Electrical

Frequency response	30 Hz to 20 kHz
<b>Recommended microphone type</b>	
Transducer	Electret-condenser
Polar pattern	Uni-directional
Operating voltage	5 VDC
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	125 dB (THD<3%)



## HCS-4841ND/50 Discussion Unit



### Features

- Flush-mounting, stylish and ergonomic design
- Pluggable microphone
- Supporting 48 kHz audio sampling rate
- Excellent immunity to RF interference from mobile phones
- Gain and EQ (5 band) of each microphone adjustable separately
- Supporting "PnP" (plug and play)

This delegate unit meets the basic demands of most conferences. It provides facilities for speaking and registering a request-to-speak.

### Functions

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- Based on TAIDEN originated MCA-STREAM digital audio processing and transmitting technologies
- Audio signals processed by high performance DSP: sound quality approaching CD quality
- 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 recovery facility, supporting "PnP" (plug and play)
- Stem microphone can be unplugged during adjournment, easy to maintain
- Mini-microphone, with foam windshield
- Excellent immunity to RF interference from mobile phones and comparable devices
- Microphone On/Off button
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID forever
- Facilities in stand-alone operation:
  - ◆ Set the number of delegates permitted to speak at the same time
  - ◆ Speak mode: OPEN/OVERRIDE/VOICE/APPLY/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
- "APPLY" mode, delegate applies 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
  - ◆ 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 6 (incl. chairman/delegate/VIP unit)

### Controls and Indicators

- Uni-directional electret condenser microphone with illuminated ring (red)
- Microphone On/Off button with indicator

### Interconnections

- Socket for pluggable microphone
- RJ45 standard interface: connect with HCS-4340DAT/50, HCS-4340DAF/50 or HCS-4340DT/50 (Multi-function Connector) via Cat.5 cable

### Technical Specifications

#### Electrical

##### Recommended microphone type

Transducer.....	Electret-condenser
Polar pattern.....	Uni-directional
Operating voltage.....	5 VDC
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.....	125 dB (THD<3%)

#### Mechanical

Mounting.....	Flush-mounting
Dimensions (h x w x d) (w/o stem microphone).....	83 x 111 x 41 mm
Weight (incl. stem microphone).....	0.2 kg
Color.....	Charcoal gray (PANTONE Cool Gray 11 C) / Silver (PANTONE 428 C)
Stem length.....	410 mm (standard version), 240 mm, 330 mm, 470 mm

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**Ordering Information**

HCS-4841ND\_S/50... Fully Digital Congress System Delegate Unit  
(flush-mounting, HCS-4340/50 needed,  
silver)

HCS-4841ND\_G/50... Fully Digital Congress System Delegate Unit  
(flush-mounting, HCS-4340/50 needed,  
charcoal gray)