

## 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 speaking units according to preset (except VIP)
- Approves/denies delegates' speaking request
- System supports up to 100 chairman units, while only 1 chairman unit has the control facilities listed above (set by software)

### 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%)

**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 / Silver  
Stem length..... 410 mm (standard version),  
240 mm, 330 mm, 470 mm

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**Ordering Information**

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

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

## HCS-4841ND/50 Discussion Unit



### Features

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- 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.

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- 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)
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    - ☞ "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

Frequency response.....30 Hz to 20 kHz

#### 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 / Silver  
 Stem length.....410 mm (standard version),  
 240 mm, 330 mm, 470 mm

### 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,