

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 80 Hz (18 dB/octave) 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-4340CA/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-4841NC_S/50...Fully Digital Congress System Chairman Unit
(flush-mounting, HCS-4340CA/50 needed,
silver)

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

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 80 Hz (18 dB/octave) 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-4340DA/DT/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-4340DA/DT/50 needed, silver)
- HCS-4841ND_G/50... Fully Digital Congress System Delegate Unit
(flush-mounting, HCS-4340DA/DT/50 needed, charcoal gray)