

HCS-4851C/50 Discussion Unit



Features

- Stylish and ergonomic design
- Retractable microphone array
- Priority button
- “Closed Loop - Daisy Chain” connection topology
- 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 all 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-4851D/50 Delegate Unit, the HCS-4851C/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. The chairman unit can also be used to apply/cancel a request-to-speak and turn off all active microphones.

Functions

- Compliant to IEC 60914
- “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 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
- 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)
- Retractable microphone array can be used after fully raised up, with total length 200 mm, and 30 degree lean angle

- 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 two-color illuminated ring
- Microphone On/Off button with indicator
- Priority button with indicator

Interconnections

- 1.5 m cable with 6P-DIN plug
- 0.6 m cable with 6P-DIN socket

Technical Specifications

Electrical

Max. consumption10 W

Microphone

TransducerElectret-condenser

Polar patternUni-directional

Operating voltage5 VDC

Sensitivity-46 dBV/Pa

Frequency response50 Hz to 20 kHz

Input impedance2 kOhm

Directivity 0°/180°> 20 dB (1 kHz)

Equivalent noise20 dBA (SPL)

Maximum sound pressure level125 dB (THD<3%)

Mechanical

Mounting..... Flush-mounting
Dimensions (h x w x d)..... 299 x 66 x 105 mm
Microphone array length..... 200 mm
Weight..... 1.7 kg
Color...Black (PANTONE 419 C) / Champagne (PANTONE 401 C)

Ordering Information

HCS-4851C_B/50... Fully Digital Congress System Chairman Unit
(flush-mounting, retractable microphone array,
black)

HCS-4851C_S/50... Fully Digital Congress System Chairman Unit
(flush-mounting, retractable microphone array,
champagne)

HCS-4851D/50 Discussion Unit



Features

- Stylish and ergonomic design
- Retractable microphone array
- “Closed Loop - Daisy Chain” connection topology
- Excellent immunity to RF interference from mobile phones
- Gain and EQ (5 band) of each microphone adjustable separately
- 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, registering a request-to-respond and listening. Excellent immunity to RF interference from mobile phones.

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
- 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)
- Retractable microphone array can be used after fully raised up, with total length 200 mm, and 30 degree lean angle
- 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 two-color illuminated ring
- Microphone On/Off button with indicator

Interconnections

- 1.5 m cable with 6P-DIN plug
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Technical Specifications

Electrical

Max. consumption 10 W

Microphone

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
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 Microphone array length 200 mm
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 Color Black (PANTONE 419 C) / Champagne (PANTONE 401 C)

Ordering Information

HCS-4851D_B/50.....Fully Digital Congress System Delegate Unit
(flush-mounting, retractable microphone array,
black)

HCS-4851D_S/50.....Fully Digital Congress System Delegate Unit
(flush-mounting, retractable microphone array,
champagne)