

HCS-5381D_G Wireless Delegate Unit



Features

- Compliant with ISO 22259
- Based on TAIDEN originated dirATC-digital infrared Audio Transmitting and Control technologies
- Infrared transmitting carrier frequency conforms to IEC 61603-7, DQPSK digital modulation/demodulation technology
- Table, stylish and ergonomic design
- Wireless unit, easy setup and removal
- Hi-Fi loudspeaker
- Priority button
- System controls up to 1000 contribution units
- Broadcast standard microphone and digital infrared audio processing and transmitting technologies ensure 80 Hz to 20 kHz perfect sound quality, extremely low distortion factor
- Digital infrared transmission technology guarantees privacy, no worries about eavesdropping and radio interference, no radiation, no radio frequency license needed
- Adopts 1~8 MHz transmission frequency, excellent immunity to RF interference from HF-driven lighting and mobile phones
- Microphone sensitivity and EQ individually adjustable
- Built-in rechargeable Lithium battery

Functions

- System controls up to 1000 contribution units
- Every delegate unit is assigned an individual ID for convenient setup and to avoid double ID forever
- Broadcast standard microphone and digital infrared audio processing and transmitting technologies ensure 80 Hz to 20 kHz perfect sound quality, extremely low distortion factor
- Digital infrared transmission technology guarantees privacy, no worries about eavesdropping and radio interference, no radiation, no radio frequency license needed
- Adopts 1~8 MHz transmission frequency, excellent immunity to RF interference from HF-driven lighting and mobile phones
- Equipped with 5PIN microphone socket, stem microphone to be ordered separately, MS**E type stem microphone is suitable
- Stem microphone can be unplugged during adjournment, easy to maintain
- Hi-Fi loudspeaker, minimal feedback
- Ø 3.5 mm stereo headphone jack for headphone with controllable volume
- Microphone On/Off button
- Microphone sensitivity and EQ individually adjustable
- System implements the following facilities when operated in stand-alone mode:
 - ◆ "ACTIVE MICS", set the number of delegates permitted to speak at the same time (1/2/3/4)
 - ◆ "OPEN" mode, if Mic. active limit has been reached, next microphone cannot be turned on when pressing "Mic. On/Off" button
 - ◆ "OVERRIDE" mode, if Mic. active limit has been reached, when pressing "Mic. On/Off" button, next microphone is turned on and the first active microphone is turned off
 - ◆ "VOICE" mode, Mic. sensitivity and close time adjustable, built-in "Flash-on" technology for quick voice control
- System supports "Request" mode when connected to computer. The delegate unit will enter into application state by pressing the speech button, and can speak after approval. If it does not reach the Mic. active limit, the chairman/VIP unit microphone can be turned on directly
- Key-press sign-in
- Automatic video tracking, when cooperating with camera and video switcher unit
- Built-in rechargeable lithium battery operation duration in good IR single environment:
 - When Mic on: approx. 12 hours
 - When Mic off: approx. 40 hours

Controls and Indicators

- Uni-directional electret condenser microphone with two-color illuminated ring
- Charging indicator
- Fully charged indicator
- Headphone volume control button
- Microphone On/Off button with indicator

Interconnections

- Socket for pluggable microphone
- Ø 3.5 mm stereo headphone jack
- Power adapter interface

Technical Specifications

Electrical

Power.....built-in 3.7 V/5200 mAh rechargeable Lithium battery
 Power supply by TES-ADP5V adapter (5 V, 2 A)

IR transceiver

Wavelength.....870 nm
 Modulation method.....DQPSK
 Carrier frequency:
 Transmission.....Audio Channel 1: 4.3 MHz
 Audio Channel 2: 4.8 MHz
 Audio Channel 3: 5.8 MHz
 Audio Channel 4: 6.3 MHz
 Control Channel: 3.8 MHz
 Reception.....Floor audio + interpretation audio (0-3)
 + Control signal: 2.333 MHz
 Interpretation audio (4-7)
 + Control signal: 1.666 MHz
 Reception/emission angle.....vertical: 125°, horizontal: 120°
 Frequency response.....80 Hz to 20 kHz (-3 dB)
 Mic. gain adjustable range.....-12 dB ~ +12 dB
 Microphone high/bass adjustable range.....-15 dB ~ +15 dB
 Headphone load impedance.....≥16 Ohm × 2
 Headphone output.....10 mW
 Operation time of battery.....When Mic on: approx. 12 hours;
 When Mic off: approx. 40 hours
 (Sufficient IR signal)

Mechanical

Mounting.....Tabletop
 Dimensions (h x w x d)75 x 144 x 138 mm
 Weight (w/o Mic.).....0.9 kg
 Color.....Charcoal gray (PANTONE Charcoal gray 425 C)

Ordering Information

HCS-5381D_G.....Digital IR Wireless Delegate Unit
 (discussion, charcoal gray, with
 battery, stem microphone to be
 ordered separately)