

## HCS-5300DE/80 Wireless Discussion Unit with Voting and Channel Selection



### Features

- **Table, stylish and ergonomic design**
- **Wireless unit, easy setup and removal**
- **Hi-Fi loudspeaker**
- **Pluggable microphone**
- **System controls up to 1000 contribution units**
- **5 voting keys**
- **Transmitting up to 8 CHs high quality digital audio signals**
- **Built-in channel selector consists of up/down channel select keys and 2-digit channel indicator display**
- **Broadcast standard microphone and digital infrared audio processing and transmitting technologies ensure 20 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**
- **Excellent immunity to RF interference from HF-driven lighting and mobile phones**
- **Microphone sensitivity and EQ individually adjustable**
- **Built-in rechargeable Lithium battery pack**

The multi-functional wireless delegate unit meets the demands of even the largest conferences and provides facilities for speaking, listening, voting and selecting language channels. It has excellent immunity to RF interference from mobile phones and features a channel selector and a headphone connection. Channel selection is automatically limited to the number of language channels available. The loudspeaker offers superior acoustics with minimal feedback, for enhanced intelligibility.

Separate rechargeable Lithium battery packs can be removed and replaced in a matter of seconds, providing maximum flexibility in recharge scheduling.

### Functions

- Compliant with IEC 60914
- 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
- System controls up to 1000 contribution units
- Transmitting up to 8 CHs high quality digital audio signals
- 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 20 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
- Excellent immunity to RF interference from HF-driven light and mobile phones
- Stem microphone can be unplugged during adjournment, easy to maintain
- Mini-microphone, with foam windshield
- Hi-Fi loudspeaker, minimal feedback
- Ø 3.5 mm stereo headphone jack for headphone with controllable volume
- Microphone On/Off button, 5 voting keys
- Built-in channel selector (operable only when earphone is inserted)
- 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
  - ◆ Simultaneous interpretation
- In combination with the corresponding software modules, multiform voting can be implemented:
  - ◆ Parliamentary: YES/NO/ABSTAIN
  - ◆ Questionnaire: 1/2/3/4/5
  - ◆ Audience response: --/-/0/+/++
- Key-press sign-in
- Automatic video tracking, when cooperating with camera and video switcher unit
- Built-in rechargeable Lithium battery operation duration: 14.4 hours when microphone is continuously on; 48 hours when microphone is off

**Controls and Indicators**

- Graphic 64×48 LCD with back-lighting for displaying channel number, language name, battery capacity, and signal icon
- Built-in channel selector consists of up/down channel select keys and 2-digit channel indicator display
- Uni-directional electret condenser microphone with two-color illuminated ring
- Charging indicator
- Fully charged indicator
- Power switch
- Headphone volume control button
- Five voting keys with indicators
- Microphone On/Off button with indicator

**Interconnections**

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

**Technical Specifications**

**Electrical**

**Headphone connection**

Frequency response.....20 Hz to 20 kHz (-3 dB)  
 Headphone load impedance.....≥16 Ohm × 2  
 Headphone output.....10 mW

**Microphone**

Transducer.....Electret-condenser  
 Polar pattern.....Uni-directional  
 Sensitivity.....-46 dBV/Pa  
 Frequency response.....30 Hz to 20 kHz  
 Directionality 0°/180°.....>20 dB (1 kHz)  
 Equivalent noise.....20 dBA (SPL)  
 Max.SPL.....125 dB (THD<3%)

**Interface data**

Connector.....Ø 3.5 mm stereo jack for headphone

**Operation time of battery pack**

When mic. is continuously on.....Approx. 14.4 hours  
 When mic. is off.....Approx. 48 hours

**Mechanical**

Mounting.....Tabletop  
 Dimensions (h x w x d) (w/o Mic.).....73 x 184 x 134 mm  
 Weight  
 Excl. battery.....0.5 kg  
 Incl. battery.....0.8 kg  
 Color.....Silver (PANTONE 428C) / Charcoal gray (PANTONE Cool Gray 11C)

**Ordering Information**

HCS-5300DE\_S/80.....Digital IR Wireless Delegate Unit (discussion, voting, 1+7 CHs, silver, excl. battery)  
 HCS-5300DE\_G/80.....Digital IR Wireless Delegate Unit (discussion, voting, 1+7 CHs, charcoal gray, excl. battery)