

HY-8650CW

Digital 5.8G Wireless Chairman Microphone

Description

- Adopts high-performance FPGA, dual-MCU processors, large-capacity FLASH and DDR memory to realize full digital signal transmission and processing, compliant with IEC60065 international standard.
- Equipped with electret super cardioid microphone with voice activation function. The effective pickup distance reaches 50cm to guarantee stable pickup and clear sound quality.
- Threaded detachable gooseneck design for convenient transportation, storage, installation, maintenance and storage during recess.
- Adopts FTC334C capacitive touch sensor chip together with Mohs Grade 6 touch glass panel. The virtual touch keys produce no mechanical clicking noise and have long service life.
- Nano fingerprint isolation and oleophobic coating effectively repel water, oil and stains for anti-fingerprint and sweat-proof performance.
- 5-inch full-laminated HD LCD touch screen, multi-language menu: Simplified Chinese, Traditional Chinese, English, Russian, French, Spanish; brightness adjustable via progress bar.
- Display content: company logo, attendee info, speaking timer, service requests, short messages, firm ware version, speaker list, calendar, check-in & voting data, battery level.
- Built-in speaking timer with real-time duration display and configurable countdown limit.
- High-fidelity lossless audio transmission with optional 32kHz / 48kHz sampling rate; frequency response 20Hz~20kHz for sensitive pickup and crisp voice.
- 5.8G full-digital DSSS frequency hopping technology with WPA/WPA2 encryption. Voice data is transmitted via router with audio latency less than 5.5ms.
- Protected by 128-bit AES Rijndael encryption plus 48-bit PIN code to prevent eavesdropping and unauthorized access and protect meeting privacy.
- Seven working modes: FIFO, LIFO, request-to-speak, queue speaking, free mode, chairman mode, voice-activated mode; the number of simultaneous speakers can be set from 1 to 6.
- Once a microphone is activated, the speaker list shows all active microphones and attendee information to realize efficient conference interaction and collaboration.
- Upgradable central control function: one-click mute for all microphones; control venue equipment including light, power and screen; one-touch recall of preset conference modes.
- Digital ID addressing with customizable unique codes. Audio stream can be exported to third-party speech recognition software for text archiving.

Specifications

Mechanical	
Operating Frequency	5.8G Wi-Fi
Transmission Distance	30M±5M
Transmit & Receive Angle	360° omnidirectional
Microphone Capsule	2×14mm gold-plated condenser capsule
Polar Pattern	Supercardioid electret
Display	5-inch LCD touch screen
SNR	> 90dB
Dynamic Range	96dB
Total Harmonic Distortion	< 0.05%
Microphone Sensitivity	-37dB±2dB
Max SPL	125dB
Equivalent Noise Level	20dBA (SPL)
Battery Capacity	7000mA
Gooseneck Length	390mm
Base Dimensions (without gooseneck)	120×155×48mm

All Information Copyright 2026 (HUAIN)