

J I 5 6 0 D - E

DIGITAL NETWORK WIRELESS DELEGATE UNIT

Gooseneck wireless delegate microphone with 4.3-inch touch screen, encrypted 96 kHz audio and removable battery.

WIRELESS	4.3-IN TOUCH	96 KHZ	< 5 MS	12 H TALK	TYPE-C
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01 OVERVIEW

The Jistron JI560D-E is a digital network wireless delegate unit with a 4.3-inch touch screen for professional conference systems. It combines all-digital wireless audio, 96 kHz sampling, sub-5 ms latency, encrypted ID pairing, three-level RF power adjustment and a removable 5200 mAh lithium battery. The delegate unit adds interactive touch control, VIP assignment, voting, camera tracking and voice wake-up functions.

02 KEY FEATURES

- **All-digital wireless audio**
Digital wireless codec technology improves anti-interference performance and supports stable, accurate transmission.
- **96 kHz audio / < 5 ms latency**
96 kHz audio sampling with latency below 5 ms supports strong, clear and responsive conference audio.
- **Encrypted ID pairing**
Digital encryption with ID pairing helps protect audio against eavesdropping and unauthorized access.
- **4.3-inch touch screen**
Supports speaker info, voting, gain, language, brightness and standby screen / clock functions.
- **3-level RF transmission power**
Transmission power can be adjusted to suit the on-site wireless environment and transmission distance.
- **VIP unit assignment**
The delegate unit can be configured as a VIP unit and is not limited by the microphone opening mode.
- **Long-life removable battery**
5200 mAh removable lithium battery supports up to 12 hours of speech and up to 15 hours of standby.
- **Camera tracking & voice wake-up**
Supports host-based camera tracking plus configurable voice wake-up sensitivity and automatic silent shutoff.

03 TOUCH DISPLAY & CONFERENCE FUNCTIONS

4.3-IN TOUCH	4 SPEECH MODES	VOTING	VOICE WAKE-UP	AUTO UNIT ID	5-GRID BATTERY
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04 CONTROLS & WIRELESS OPERATION

1 VIP UNIT ASSIGNMENT The delegate unit can be configured as a VIP unit and is not limited by the microphone opening mode.	2 TOUCH DISPLAY FUNCTIONS Supports speaker info, countdown, directivity, sign-in, voting, gain, messaging, language, brightness and standby display.
3 MICROPHONE SWITCHING Supports trigger switching or press-and-hold to open, then release to switch.	4 CAMERA TRACKING Supports automatic camera tracking when used with the host and computer presets.
5 WIRELESS CHANNEL SETUP Microphones can be added by setting the same wireless channel without complex frequency matching.	6 VOICE WAKE-UP Startup sensitivity and automatic shutoff time in silent mode can be configured.
7 CHARGING FLEXIBILITY Supports direct Type-C charging or removal of the battery pack for replacement or external charging.	8 AUTO ID & HOST FOLLOW-OFF Each unit has a unique serial number for automatic ID assignment and can follow the host power-off state.

05 SYSTEM RELIABILITY & INDICATORS

Encrypted wireless transmission Digital encryption combined with ID pairing helps prevent unauthorized access to transmitted audio.
Three-level RF power control Selectable transmission power supports stable operation across different wireless environments and distances.
Touch display & status indication The screen provides 5-grid battery and 4-grid signal indication plus interactive conference controls.
Anti-mobile-phone interference The microphone core is designed for stable and reliable operation in the presence of mobile-phone interference.

06 TECHNICAL SPECIFICATIONS

SYSTEM & CONTROL	
System type	Digital network wireless delegate unit (gooseneck touch screen)
Delegate function	Can be configured as a VIP unit; not limited by the microphone opening mode
Display	4.3-inch touch screen
Display functions	Speaker info / countdown · directivity · sign-in · voting / results · microphone gain · information exchange · Chinese / English language · brightness · standby screen / clock · 5-grid battery · 4-grid signal indication
Speech modes	First-in-first-out (FIFO) · Application · Restriction · Voice Wake-up
Microphone opening modes	Trigger switch · Long press to open / release to switch
Camera tracking	Supported with host and computer presets
Unit identification	Unique serial number; conference system can automatically assign an ID
Host power management	Microphone unit follows host power-off

MICROPHONE & AUDIO	
Audio sampling frequency	96 kHz
Latency	< 5 ms
Microphone core	High-precision electret condenser double-pole 4-microphone core
Directional characteristics	Cardioid
Microphone type	Cardioid condenser
Frequency response	40 Hz - 20 kHz
Sensitivity	-32 dBV
Distortion	< 1%
Switch mode	Physical switch

WIRELESS & SECURITY	
Wireless audio security	Digital encryption with ID function pairing
Transmission power adjustment	3-level adjustable
RF power output	<= 10 dBm (reference value)
Channel setup	Same-channel configuration allows microphones to be added without complex frequency matching

06 TECHNICAL SPECIFICATIONS - CONTINUED

POWER & BATTERY	
Power consumption	1.6 W
Battery capacity	Removable lithium battery, 5200 mAh
Charging current	5 V / 2 A
Speech time	<= 12 hours
Standby time	<= 15 hours
Charging interface	Type-C or external charger

PHYSICAL & INDICATION	
Base dimensions	180 x 142 x 59 mm
Gooseneck length	415 mm
Weight	965 g
Battery indication	5-grid battery level display
Signal indication	4-grid wireless signal indication
Speaking indication	Two-color LED indicator; red indicates speaking

07 ORDERING INFORMATION

MODEL	DESCRIPTION	NOTES
J1560D-E	Digital network wireless delegate unit - gooseneck with 4.3-inch touch screen, encrypted 96 kHz audio and VIP assignment	Removable 5200 mAh lithium battery; Type-C or external charger

Specifications on this datasheet refer to the J1560D-E delegate unit. System host and related conference components are specified separately as required.

08 ABOUT JISTRON

Jistron is a European audio-visual brand headquartered in Tallinn, Estonia. It supplies conference systems, audio processors and installed audio-visual solutions for boardrooms, chambers and command environments; products are manufactured at audited partner facilities.

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