

J I 6 0 D - E

DIGITAL NETWORK WIRELESS DELEGATE UNIT

Gooseneck wireless delegate microphone with encrypted 96 kHz audio, VIP assignment and long-life battery operation.

WIRELESS

96 KHZ

< 5 MS

13 H TALK

TYPE-C



DELEGATE UNIT

WIRELESS · 96 KHZ · ENCRYPTED

01 OVERVIEW

The Jistron JI60D-E is a digital network wireless delegate unit for professional conference systems. It combines all-digital wireless audio, 96 kHz sampling, sub-5 ms latency, encrypted ID pairing, adjustable RF transmission power and a removable lithium battery. The delegate unit can be configured as a VIP unit and supports camera tracking, voice wake-up and flexible microphone opening modes.

02 KEY FEATURES

■ All-digital wireless audio

Digital wireless codec architecture improves anti-interference performance and provides stable transmission.

■ Encrypted ID pairing

Digital encryption with ID pairing protects the audio signal against eavesdropping and unauthorized access.

■ 3-level RF transmission power

Transmission power can be adjusted to suit the on-site wireless environment and required operating distance.

■ Long-life removable battery

2600 mAh removable lithium battery supports up to 13 hours of speech and up to 22 hours of standby.

■ 96 kHz audio / < 5 ms latency

96 kHz audio sampling with latency below 5 ms supports clear and responsive conference audio.

■ VIP unit assignment

The delegate unit can be configured as a VIP unit and is not limited by the microphone opening mode.

■ Camera tracking support

Supports automatic camera tracking when used with the host and configured computer presets.

■ Voice wake-up & flexible switching

Voice wake-up sensitivity and silent shutoff can be configured; trigger or press-and-hold switching is supported.

03 OPERATIONAL FUNCTIONS

4 SPEECH MODES	VOICE WAKE-UP	TRIGGER / HOLD	AUTO UNIT ID	4-GRID BATTERY	HOST FOLLOW-OFF
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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 CAMERA TRACKING**

The unit supports automatic camera tracking when used with the host and computer presets.
- 3 MICROPHONE SWITCHING**

Supports trigger switching or press-and-hold to open, then release to switch.
- 4 VOICE WAKE-UP**

Startup sensitivity can be set and the microphone can automatically switch off after a configured silent period.
- 5 WIRELESS CHANNEL SETUP**

Microphones can be added by setting the same wireless channel without complex frequency matching.
- 6 AUTOMATIC IDENTIFICATION**

Each conference unit has a unique serial number and the conference system can automatically assign an ID.
- 7 CHARGING FLEXIBILITY**

Supports direct Type-C charging or removal of the battery pack for replacement or external charging.
- 8 HOST POWER FOLLOW-OFF**

When the host is powered off, the microphone unit follows power-off without switching off each unit separately.

05 SYSTEM RELIABILITY & INDICATORS

- Encrypted wireless transmission**

Digital encryption combined with ID pairing helps prevent unauthorized access to the transmitted audio.
- Three-level RF power control**

Selectable RF power supports stable operation across different wireless environments and transmission distances.
- Two-color status indicator**

The unit uses a two-color LED indicator; red indicates speaking.
- Anti-mobile-phone interference**

The microphone core is designed for stable, durable and reliable operation in the presence of mobile-phone interference.

06 TECHNICAL SPECIFICATIONS

SYSTEM & CONTROL	
System type	Digital network wireless delegate unit (gooseneck)
Delegate function	Can be set as a VIP unit; not limited by opening mode
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 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	0.7 W
Battery capacity	Removable lithium battery, 2600 mAh
Charging current	5 V / 2 A
Speech time	<= 13 hours
Standby time	<= 22 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	4-grid battery level display
Speaking indication	Two-color LED indicator; red indicates speaking

07 ORDERING INFORMATION

MODEL	DESCRIPTION	NOTES
J160D-E	Digital network wireless delegate unit - gooseneck, encrypted 96 kHz audio, VIP assignment	Removable 2600 mAh lithium battery; Type-C or external charger

Specifications on this datasheet refer to the J160D-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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