



V 1.0 - 102024

PeopleLink Wireless Digital Conference System

Excellent Legibility Sound:

Advanced voice processing technology with the unique design of the microphone head, this unit can accurately pick up and restore human voice through a high-quality built-in speaker or an external PA system. Original P-Link digital ring network technology, Automatic Gain Control Volume (AGC), and automatic frequency control (AFC) technology help reach higher volume without triggering the howling effect, ensuring clear sound to every person in the room.



Standard Wi-Fi Communication

Our PeopleLink wireless conference system is an innovative system based on standard Wi-Fi technology and self-adjustment technology. The system works in the 2.4 GHz and 5 GHz bands and gets 50 channels for communication to coexist with other Wi-Fi networks. The unique self-adaptive technology's strong anti-interference ability ensures the system is interference-free and highly flexible for different applications. The standard Wi-Fi technology makes the system work worldwide with no ISM limit.

Ease of Use

The system requires no additional cabling and testing and runs under the 25-meter radius of the Wi-Fi signal, which is full 360-degree coverage. All microphone units automatically identify the access point and communicate with a WPA2-secure connection to ensure the safety of the conference.

Compact yet versatile design

The product design reflects the elegant yet compact and easy-to-use features. The conference unit features a graphical interface operating area, including a lighting reminder, so anyone can get started quickly. Easy to install and user-friendly, it is designed to ensure more productive meetings.

Conference System Controller - (PL-CSC)



Features

- The unique P-LINK digital ring network technology achieve full-digital signal transmission and processing.
- All microphone units support audio, ID independent output. Working with voice recognition system to achieve voice role separation.
- High-fidelity sound quality by lossless audio transmission technology, 48K audio sampling rate and 20Hz ~ 20000Hz.
- The conference controller can output 16 segment equalized EQ to achieve sound field adjustment; pressure limit, which can recognize the noise gate passed by a human voice. AGC automatic volume gain control; AFC automatic feedback suppression and auto-mix technology.
- Sound output is achieved by a separated zone function. Each zone is automatically adjusted according to the volume of the microphone's position, achieving longer distance pickup without a whistle.
- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video
- USB recording, controller monitor, and advanced noise cancellation technology to realize clearer recording

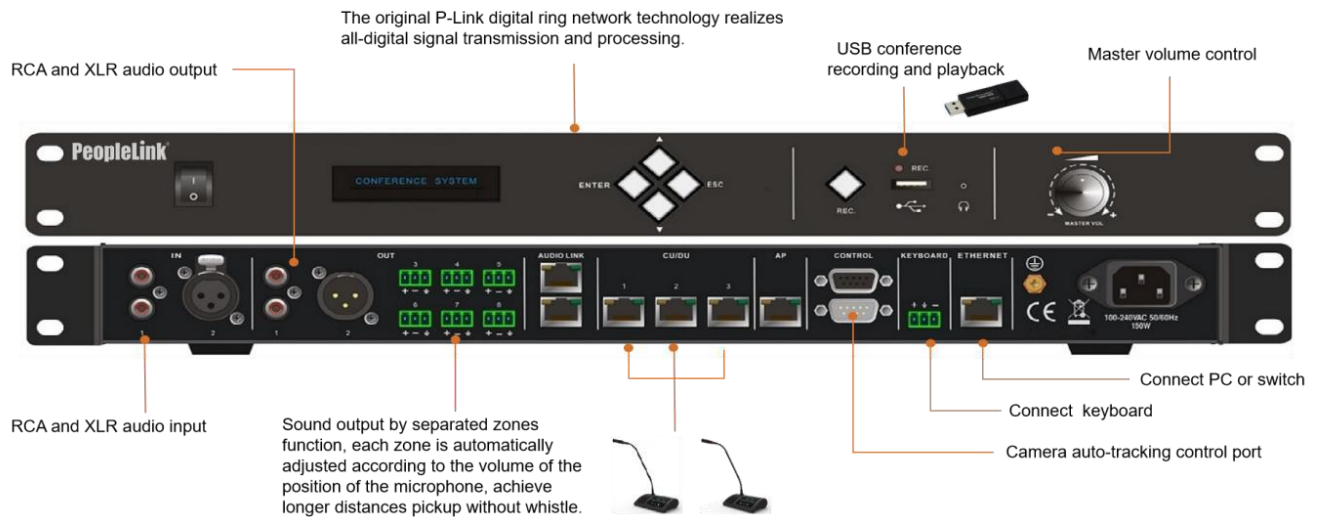
Functions

- Connect with PL-CSC (Conference Controller), a full-digital extension main unit. It can expand to 5200 in a combination of wired and wireless discussion units (by using multiple external power units).
- 2 channel audio input, XLR or RCA type, for local audio input or remote video-conferencing input.
- Maximum 8-channel audio output, XLR, RCA or Phoenix type, can be connected to simultaneous interpretation output or partitioned output.
- Add the audio input box. The system is connected to other condenser microphones or dynamic microphones, providing more choices for users.
- RS232 central control, realize the microphone switch, priority, volume and other controls
- RS232 or RS485 will send the PELCO/VISCA protocol to realize the camera auto-tracking function.
- Without using PC software, our conference controller still has a limit on the number of speaking persons: by setting the number of active units at the same time, the number is 1/2/4/6/ units.
- Discussion modes: "OPEN" Free for all, limited by the active units setting by the controller, "VOICE" Can activate MIC by detecting sound without pressing the button, "OVERRIDE" First in, first out, "APPLY" To apply, then to speak

Control & Indicators

- LCD display to show all the operations and results
- 4-Way button for menu operate
- One-button press to start recording
- Light indicator
- Master volume control knob

Interfaces



Interfaces

- Front panel USB recording interface
- 3.5mm headphone for monitoring
- 1x RCA audio input
- 1x XLR audio input
- 1x RCA audio output
- 1x XLR audio output
- 6x Phoenix audio output connector
- 2x RJ45 digital audio connection
- 2x RJ45 for chairman unit, delegate unit, unit translators and other connections
- 1x RJ45 for wireless AP or router
- 1x DP9 male interface for external control
- 1x DP9 female interface for camera
- 1x three-pin phoenix interface for camera control keyboard
- 1x RJ45 for computer connection or network switcher
- 1x grounding screw
- 1x 100 ~ 240V AC Power Interface

Technical Parameters

- **Power** : 100V / 240V AC
- **Static power consumption** : 12W
- **Maximum power consumption** : 150W
- **Frequency Response** : 20Hz ~ 20000Hz
- **Noise ratio (S/N)** : >96dBA
- **Total harmonic distortion** : <0.05%
- **Channel crosstalk** : > 85dB
- **Dynamic range** : >94dB
- **Ethernet control** : RJ45 connected to PC
- **Mounting** : 19" standard rack
- **Dimensions** : 483L x 260W x43.6H
- **Weight** : 3kg

Wireless Chairman / Delegate Microphone Unit



Features

- Stylish, low profile design with a touchable interface
- The integration of 5G Wi-Fi wireless and wired network, as well as dual connection to communicate, prevents meetings from being interrupted
- Wireless communication, setting up all systems for a few minutes to be ready for use, and putting them away in a short time well
- Replaceable battery power supply,
- Internal high-fidelity loudspeaker
- The headset interface on both sides has a volume adjustment
- The detachable battery pack is easy to replace and charge. The battery can provide 20 hours of runtime after it is fully charged
- The unique P-Link digital ring network technology achieves real-time signal transmission and processing, completely avoiding RF interference from a cell phone
- The unit shows the time/date on the screen. The timer displays the time each delegate will speak and will remind the user of the MIC automatically

Functions

- High fidelity sound by zero loss audio transmit technology, 48K audio sampling frequency, 20Hz~20000Hz response frequency
- AGC (Automatic Gain Control) / AFC (Adaptive Feedback Cancellation) / ANC (Active Noise Control) / Mix (Auto-Mix) technology.
- Precise cardioid directional microphone capsule with anti-wind microphone foam, with two-color LED indicator.
- The MIC ON/OFF, Priority & Apply Answer button is for the chairman.
- Built-in high-fidelity speakers, it automatically mutes to prevent howling when pressing MICON
- Support more AP working together to increase the Wi-Fi coverage range for wireless MIC units in a large conference room or multi-room
- 6 wireless units can be activated at the same time by the users
- One AP can work with more than 50 wireless units, and more units can be connected by extension APs.
- 128 bits digital encryption technology, with WAP2 secure connection, MAC address filtering, and SSID-hiding to prevent wiretapping and unauthorized access from delegate unit
- The headset interface on both sides has a volume adjustment
- Discussion modes: "OPEN" Free for all, limited by the active units setting by controller, "OVERRIDE" First in First out, "VOICE" Can activate MIC by detecting sound without press button, "APPLY" To apply then to speak

Wireless Chairman / Delegate Microphone Unit

Control & Indicators

- Each unit with a two-color LED indicator, red for speaking on the microphone and green means needs acceptance from the chairman to speak
- The 128mm x 32mm OLED display has a volume bar, clock, time span of microphone activation, MIC ON/OFF, etc., and other information.
- Indicator for Volume adjustment
- Indicator for MIC ON/OFF Chairman unit with priority button and consent button for the delegates

Interfaces

- Pluggable gooseneck microphone base
- 2 x 3.5mm stereo headphone jack

Battery Capacity:

- 7.2V, 4900mAh, 35.28Wh

Technical Parameters

- **Button** : Touchable interface
- **Sound Pickup** : Heart type capacitance
- **Display** : OLED display 128mm × 32mm
- **Sensitivity** : -46 dBV / Pa
- **Maximum power consumption** : 2.0W
- **Directivity** : 0 ° / 180 ° > 20 dB (1 kHz)
- **Headphone load** : 16Ω
- **Headphone volume** : 10mW
- **Headphone jack** : 3.5mm stereo
- **Input impedance** : 2kΩ SNR: 70dB
- **Frequency response** : 20 ~ 20000Hz
- **Equivalent noise** : 20dBA (SPL)
- **Main material** : ABS
- **Maximum sound pressure** : 125dB (THD <3%)
- **Weight** : 1.1kg (with microphone)
- **Dimension** : 195L × 120W × 60H mm (without microphone)
- **Operating temperature** : 0 °C to + 55 °C
- **Color** : Black

Pluggable Gooseneck Microphone



Features

- Precise directional microphone head with Mini design
- Two color LED ring indicator
- anti-wind microphone foam cover

Functions

- Two-color LED indicator on the microphone, red for speaking, and green means needs acceptance from the chairman to speak
- Screw lock socket to connect a removable microphone

Technical Parameters

- **Directivity** : Cardioid
- **Sensitivity** : 46dBV/Pa
- **Frequency Response** : 30Hz~20000Hz
- **Equivalent Noise** : 20dBA (SPL)
- **Signal-To-Noise Ratio** : Ref ≥96dB
- **Microphone Type**: Condenser
- **Maximum SPL** : (1 kHz at 1% THD, 1 kΩ load) 125dB (THD<3%)
- **Conference Unit Connection** : Mini 6 pin
- **Input impedance** : 2 kΩ
- **Working temperature** : 0~45°C
- **Storage temperature** : 20~50°C
- **Weight** : 80g
- **Length** : 485mm

AP Transmitter



Features

- Connect with the Wi-fi conference processor PL-CSC, or with the switch to extend more conference AP in the same system.
- Typical coverage range 30m
- Each access point (AP) can connect up to 50 conference units
- Install on ceiling, wall or with stand rack mount
- 128 bits AES digital encryption technology, with WAP2 secure connection, MAC address filtering, and SSID-hiding to prevent wiretapping and unauthorized access from delegate unit

Functions

- LED indicator for signal/power
- 5GHz dual band communication
- LAN support POE power supply
- RJ45 for LAN connection

Technical Parameter

- **WLAN Standard** : IEEE802.11ac, IEEE802.11a, IEEE802.11g, IEEE802.11b
- **RF Frequency Bands** : 2.4GHz ISM / 5GHz UNII
- **Max Transmission Power** : 27dBm
- **Antenna Type** : Four built-in 5dBi antennas
- **Interface** : 1 × Gigabit WAN/POE Port, 1 × Gigabit LAN Port
- **Link Speed** : 1200Mbps
- **Networking Addressing Capability** : DHCP or Manual IP address
- **Cable Length** : 100m (max)

Charger Unit (Chairman / Delegate 8 Units)



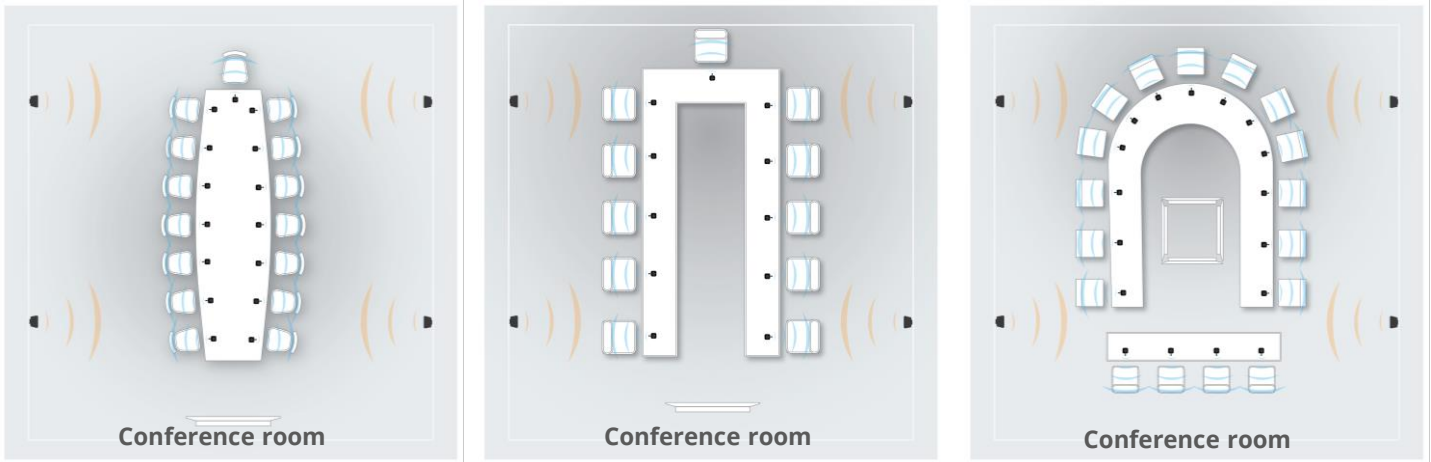
Features

- 4 hours needed to fully charge
- MAX 8 pcs battery charging at one time
- Wide range power input : 100V~240V AC
- Buckle housing to prevent poor contact or dropping, light in weight for easy moving.

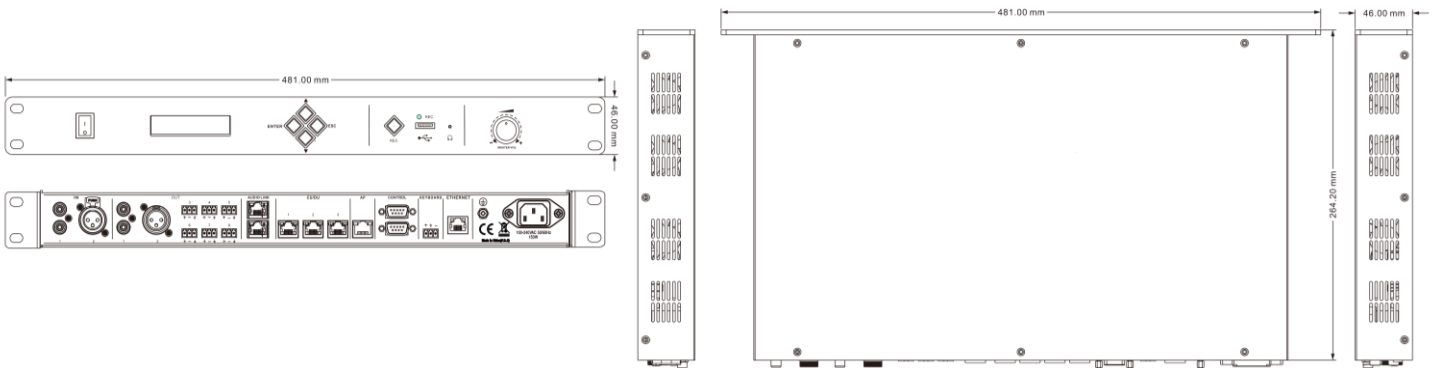
Technical Parameters

- **Input** : 100 ~ 240VAC 50 ~ 60HZ
- **Output** : 7.2V/1000mA
- **Power consumption** : 20W
- **Size** : 530L x 200W x 52H (mm)
- **Weight** : 2KG

Application Scenarios



Disclaimer:- Room setup diagrams provided for reference only. Actual room setup and size may vary as per requirements.



Ordering Information

Part codes

PeopleLink Chairman Delegate Conference System Controller	: PL-CSC
PeopleLink Wireless Chairman Microphone Unit	: PPU-WL-CHU
PeopleLink Wireless Delegate Microphone Unit	: PPU-WL-DLU
PeopleLink AP Transmitter	: PPU-WL-APU
PeopleLink Charger Unit (Chairman / Delegate 8 Units)	: PPU-WL-CHR-CDU-8

LEARN MORE

For more information on **Wireless Conference System** [Click Here](#)

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