



V 1.0 - 032024

## PeopleLink Wireless Digital Conference System

### 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 work in the 2.4Hz and 5GHz band and get the 50 channels for communication to coexist with other Wi-Fi network. The unique self-adaptive technology is strong anti-interference ability ensure the system interference-free and highly flexible for different application. The standard Wi-Fi Technology make the system can work in around the world and no ISM limit.



- **Ease of Use**

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

- **Compact yet versatile design**

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

- **Excellent legibility sound**

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

## 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.
- Conference controller can output 16 segment equalized EQ to achieve sound field adjustment; pressure limit, which can recognize the noise gate passed by human voice. AGC automatic volume gain control; AFC automatic feedback suppression and auto-mix technology.
- Sound output by separated zones function, each zone is automatically adjusted according to the volume of the position of the microphone, achieve longer distances pickup without whistle.
- Echo cancellation, remote two-way real-time call with another conference controller or another third-party video
- USB recording, controller monitor, advanced noise cancellation technology to realize clearer recording

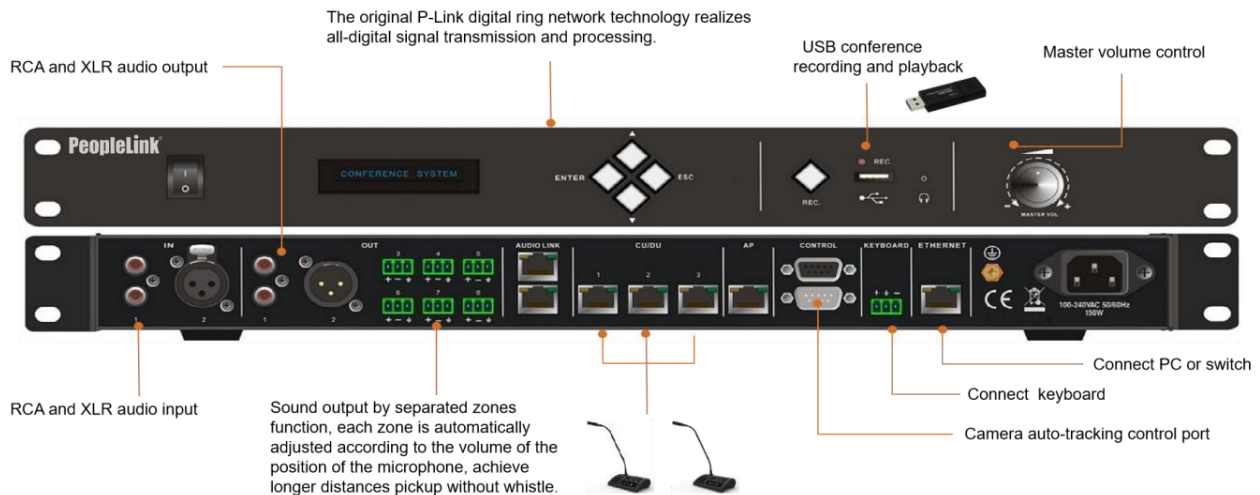
### Functions

- Connect with PL-CSC (Conference Controller) full-digital extension main unit, it can expand to 5200 in 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 can be connected to other condenser microphones or dynamic microphones, more choices for users.
- RS232 central control, realize microphone switch, priority, volume and other controls
- RS232 or RS485 to send the PELCO/VISCA protocol to realize camera auto-tracking function.
- Without using PC software, our conference controller still owns Limit on the number of speaking persons: By Setting the number of active units at the same time, Number is 1/2/4/6/ units.
- Discussion modes: "OPEN" Free for all, limited by the active units setting by controller, "VOICE" Can activate MIC by detecting sound without press 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, translators and other connection
- 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 (mm) 483L x 260W x43.6H
- Weight: 3kg

## Wireless Chairman/Delegate Microphone Unit



### Features

- Stylish, low profile design with touchable interface
- The integration of 5G WiFi wireless and wired network, dual connection to communicate makes the meetings be not interrupted
- Wireless communication, setting up all system in few minutes to be ready for using, and put them away in short time as well
- Replaceable battery power supply,
- Internal high-fidelity loudspeaker
- Head-set interface in both sides with volume adjust
- 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 full-digital signal transmission and processing, completely avoid the RF interference from cell phone.
- The unit showing time/date on the screen. Timer on display to set certain time for each delegate to speak will remind user or close the MIC automatically.

### Functions

- High fidelity sound by zero loss audio transmit technology, 48K audio sampling frequency, 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.
- Button for MIC ON/OFF, Priority & Apply Answer button for chairman uni.
- Built-in high-fidelity speakers, it automatically mutes to prevent howling when press MIC ON.
- Support more AP working together to increasing the Wi-Fi coverage range for wireless MIC units working 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, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit
- Head-set interface in both sides with volume adjust.
- 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 two-color LED indicator, red for speaking on microphone, green means need acceptance from chairman to speak
- 128mm x 32mm OLED display with volume bar, clock, time span of microphone activating, 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
- 2x 3.5mm stereo headphone jack

### Technical

- 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
- The 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 microphone, red for speaking, green means need acceptance from chairman to speak
- Screw lock socket to connect 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

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### 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 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, 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)

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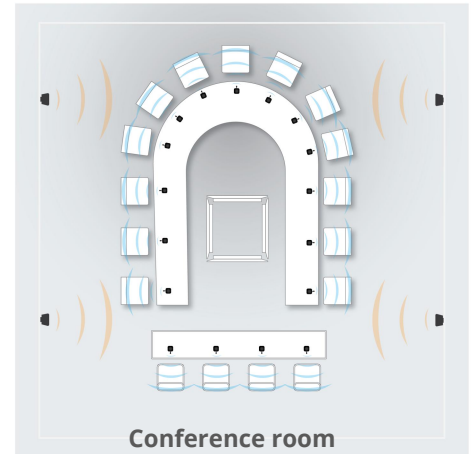
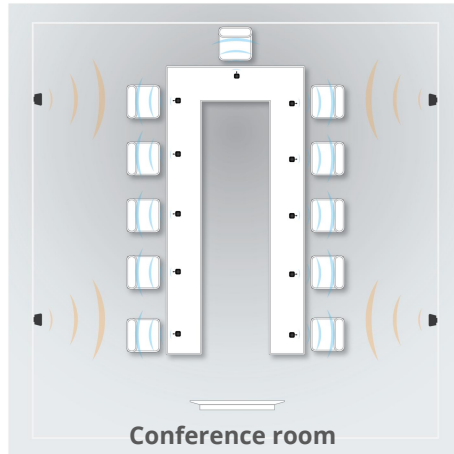
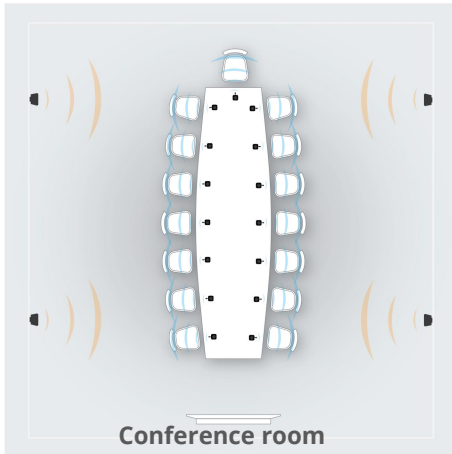
### Features

- 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.

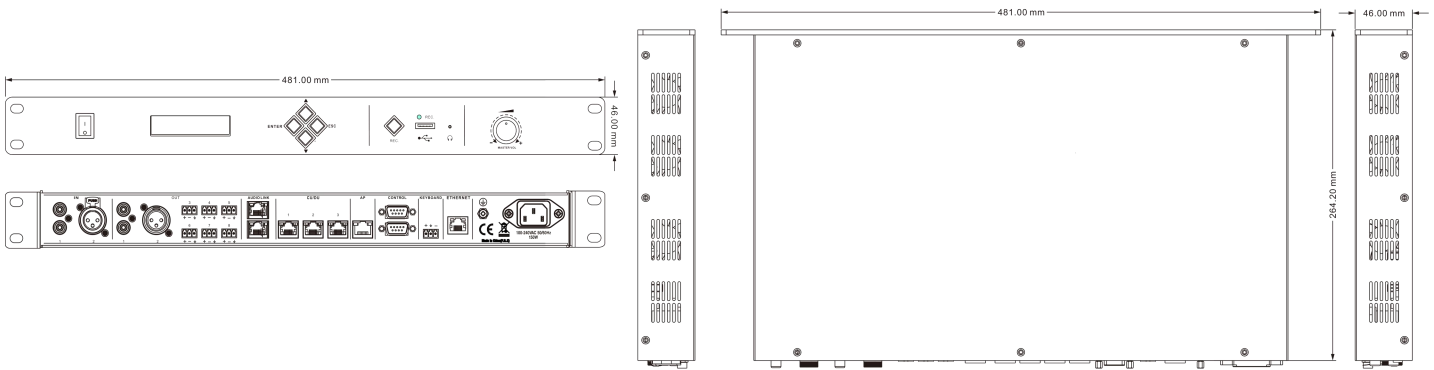
### Technical Parameters

- Input: 100 ~ 240VAC 50 ~ 60HZ
- Output: 7.2V/1000mA
- Power consumption: 20W
- Size: 530Lx200Wx52H(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	: <b>PL-CSC</b>
PeopleLink Wireless Chairman Microphone Unit	: <b>PPU-WL-CHU</b>
PeopleLink Wireless Delegate Microphone Unit	: <b>PPU-WL-DLU</b>
PeopleLink AP Transmitter	: <b>PPU-WL-APU</b>
PeopleLink Charger Unit (Chairman/Delegate 8 Units)	: <b>PPU-WL-CHR-CDU-8</b>

### LEARN MORE

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

## SALES AND INQUIRIES

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