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## 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 5 GHz band and gets 44 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.

## High tech intelligence platform

Timing function, overtime speaking reminder, voting results multi-platform synchronization, network control and meeting management, conference Smart reservation, worldwide firmware real-time updates, the integration of IT technologies ensures smart conferencing platform, the PeopleLink Wireless Digital Conference System is one of them.

## Conference System Controller - (PL-CSC)



## Features

- The unique P-LINK digital ring network technology achieve full-digital signal transmission and processing.
- OneCAT5ecableto transmit up 64 channels audio and other signals.
- 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 frequency response.
- 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

## Conference System Controller - (PL-CSC)

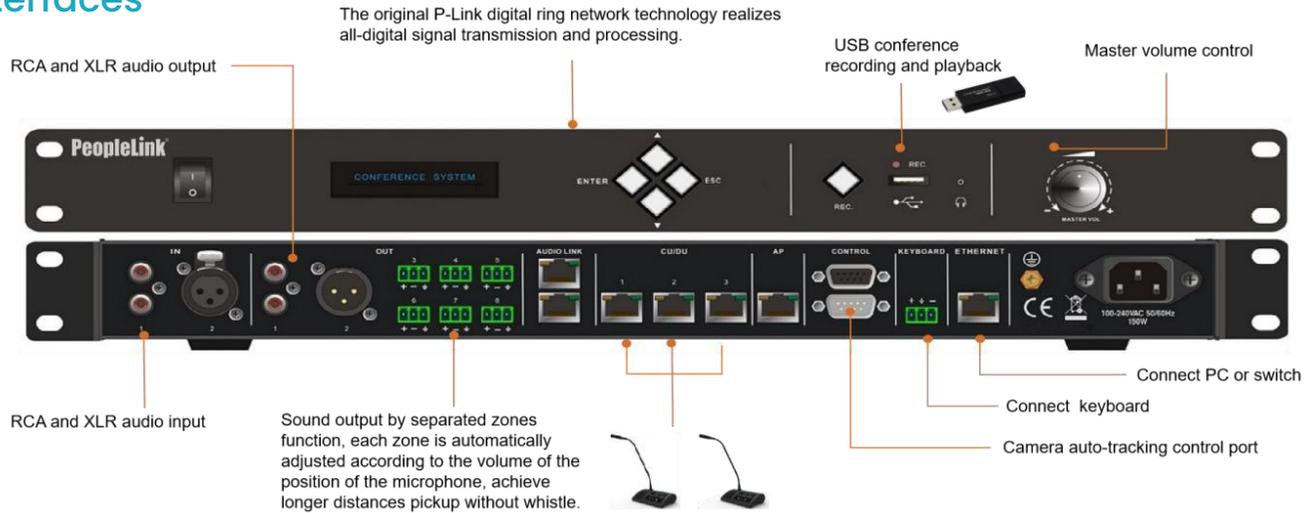
### Functions

- 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 owns following settings:
  - 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), supports up to open 32 wired microphones in full-on mode.
  - 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, "**PTT**" Press to speak(Optional), "**ALL**" Full open mode(Optional).
    - Voting function: Approve/Abstain/Object
    - Chairman unit has priority to close all other units or mute them temporarily
    - Chairman unit can consent the application for speaking from delegate
    - Simultaneous language interpretation
- With PC software to add more ways of voting:
  - Approve/Object
  - Approve/Abstain/Object
  - Level: 1/2/3/4/5
  - Ranking: --/-/0/+/>++
- By using RFID card to identify, can realize voting with names.

### 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

## Technical Parameters

- **RS-232 control**: 1×9-pole Sub-D female socket 1×9-pole Sub-D male socket
- **Ethernet control** : RJ45 connected to PC
- **Mounting** : 19" standard rack
- **Dimensions** : 483L x 260W x43.6H
- **Weight** : 3kg
- **Color** : Black
- Max. audio inputs
- LINE IN 1: +10dBu
- LINE IN 2: +10dBu
- Max. audio outputs
- LINE OUT1: +12dBu BAL.
- LINE OUT2: +12dBu BAL.
- LINE OUT3: +12dBu BAL.
- LINE OUT4: +12dBu BAL.
- Transmission technology: WIFI 802.1n
- Encryption technology: WPA2-PSK AE
- Working frequency: 5.2-5.8 GHZ
- Output impedance: >1kΩ
- PC communication method: TCP/IP
- Camera control method: RS-232/UDP
- Network Interface: RJ45
- Display: LCD1602
- Limit on the number of speakers: 1/2/4, max in 6 persons
- Camera Tracking Protocol: PELCO-P/PELCO-D/VISCA
- Operating temperature: 0 ~ 45°C
- Storage temperature: 20 ~ 50°C

## Wireless Chairman / Delegate Microphone Unit



### Features

- Stylish, low profile design with touchable interface
  - Wireless communication, setting up all system in few minutes to be ready for using, and put them away in short time as well
  - Detachable battery pack is easy to replace and charge, 4 hours to fully charged. Can use 24 hours continuously
  - Built-in DC connector for power supply without battery
  - Internal high-fidelity loudspeaker
  - Dual Interpretation Selectors
  - Built-in up 8 channels interpretation for each selector
- Pluggable microphone and long range sound pickup ability, support different length of microphone.
  - 2.23-inch OLED display with backlight, with status of signal and battery indication icon
  - Head-set interface in both sides with volume adjust
  - Line-in interface which allows microphone or other line-in device like cell phone, laptop to pass audio through to perform teleconference
  - Full-digital signal transmission and processing, completely avoid the RF interference from cell phone or similar devices.
  - 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.
  - All units can be configured as Chairman or Delegate unit through software settings based on model

### Functions

- Compliance with IEC 60914, GBT 15381-94
- Standard Wi-Fi technology is compatible with other Wi-Fi networks, support 5GHz on all channels.
- Full-digital transmission and processing technology in uncompressed audio, professional microphone to achieve
- perfect sound quality at 20Hz ~ 20KHz;
- 128 bits digital encryption technology, with WPA2 secure connection, MAC address filtering, SSID-hiding to prevent wiretapping and unauthorized access from delegate unit
- One AP can work with more than 40 wireless units, and more units can be connected by extension APs
- 6 wireless units can be activated at the same time by the users
- Support more AP working together to increasing the Wi-Fi coverage range for wireless MIC units working in a large conference room or multi-rooms

## Functions

- With our HD PTZ camera and video matrix switcher, using RS485 or RS232 protocol to send the PELCO/VISCA protocol to realize camera auto-tracking function
- 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 unit
- Built-in high-fidelity speakers, it automatically mutes to prevent howling when press MIC ON
- Head-set interface in both sides with volume adjustment.
- AGC (Automatic Gain Control)/AFC (Adaptive Feedback Cancellation)/ANC (Active Noise Control)/Mix (Auto-Mix) technology
- Build-in functions for intercom
- Without using PC software, our conference controller still owns following settings:
- 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, **"OVERRIDE"** First in First out,
- **"VOICE"** Can activate MIC by detecting sound without press button, **"APPLY"** To apply then to speak
- The unit showing real time on the screen, and count-down timer for speaking person.
- Detachable battery pack is easy to replace and charge, 4 hours to fully charged. Can use 24 hours continuously, power-saving technology to enable 24 hours continuous use and 48 hours for standby.
- Combined with camera and camera tracking controller, it has an automatic camera tracking function.
- With 2.5mm adapter power supply interface, used for emergency power supply.
- Built-in MCU, support wireless upgrade of all units.
- With voice control function, you can adjust the sensitivity of voice control, intelligently turn on the microphone and set the off time.

## 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
- 2x 3.5mm stereo headphone jack
- 1x 3.5mm stereo input jack
- Contactor for battery pack
- DC Connector for power adaptor

## Technical Parameters

Button	Touchable interface
Sound Pickup	Heart type capacitance
Display	OLED display 128 × 32
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
Operating temperature	0 °C to + 55 °C
Color	Black
The maximum sound pressure	125dB (THD <3%)
Weight	1.1kg (with microphone)
Dimension	195L × 120W × 60H mm (without microphone)

## Pluggable Gooseneck Microphone



### Features

- Precise directional microphone head with Mini design
- Two color LED ring indicator
- anti-wind microphone foam cover
- Strong audio collection ability to work with different length of microphones

### 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	≥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
Weight	80g
Length	485mm
Color	Black

## AP Transmitter



### ▼ Functions

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

### ▼ 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

### ▼ Technical Parameters

#### RF

WLAN Standard	IEEE802.11ac, IEEE802.11a, IEEE802.11g, IEEE802.11b
RF Frequency Bands	5GHz UNII
Max Transmission Power	27dBm
Antenna Type	Four built-in 5dBi antennas

#### POWER

Supply Type	Power Over Ethernet, 802.3at, DC 12V 1.5A
Supply Voltage(at Power Consumption)	≤13W

#### NETWORK

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)
Cable Type	≥ Cat5e (shielded / unshielded)
Connector Type	1× RJ45
Connector LED	WAN/POE Port (UP LED), LAN Port (Down LED)

#### USER INTERFACE

LED Status Indication	Power, Network Audio, Wireless (Yellow / Blue)
Reset	Push button for Factory Reset

#### MECHANICAL

Dimensions	220L×220W×45H(mm)
Color	White
Weight	0.3KG
Mounting Type	Ceiling, Wall or Stand Rack

## Charger Unit

( Chairman / Delegate 8 Units )



### Features

- Three 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

### Functions

- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

### Technical Parameters

- Input: 100 ~ 240VAC 50 ~ 60HZ
- Output: 7.2V/1000mA
- Power consumption: 20W
- Size: 320L x 200W x 50H(mm)
- Weight: 2KG

## Rechargeable Battery



### Features

- Long life and lasting stability of charging performance
- After fully charged it can use 24 hours
- Four hours needed to fully charge
- Efficient lithium batteries

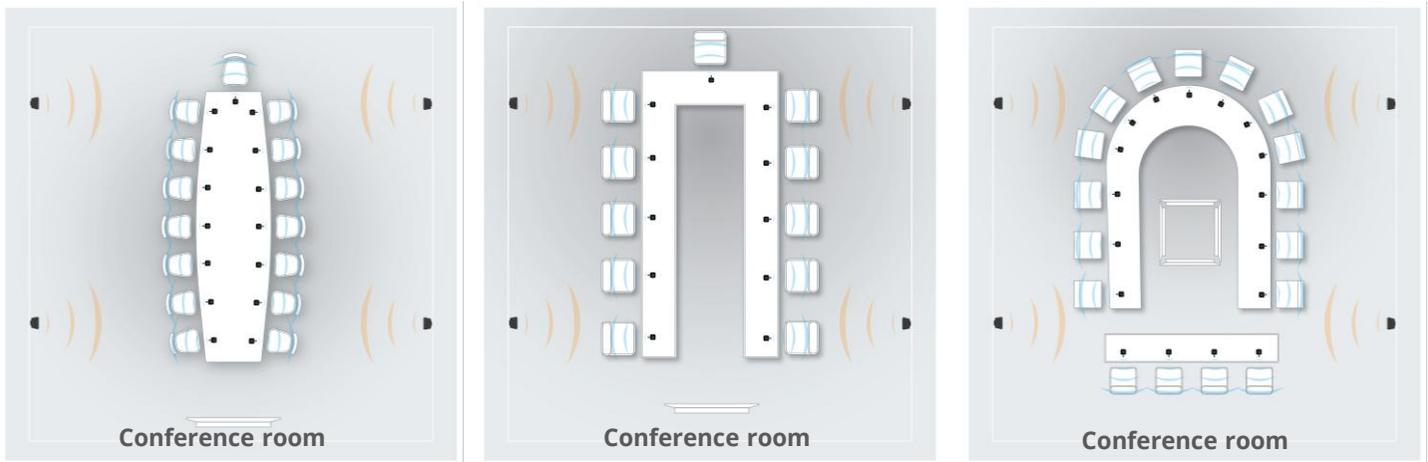
### Functions

- Contactor by pop-up pins
- Buckle housing to prevent poor contact or dropping

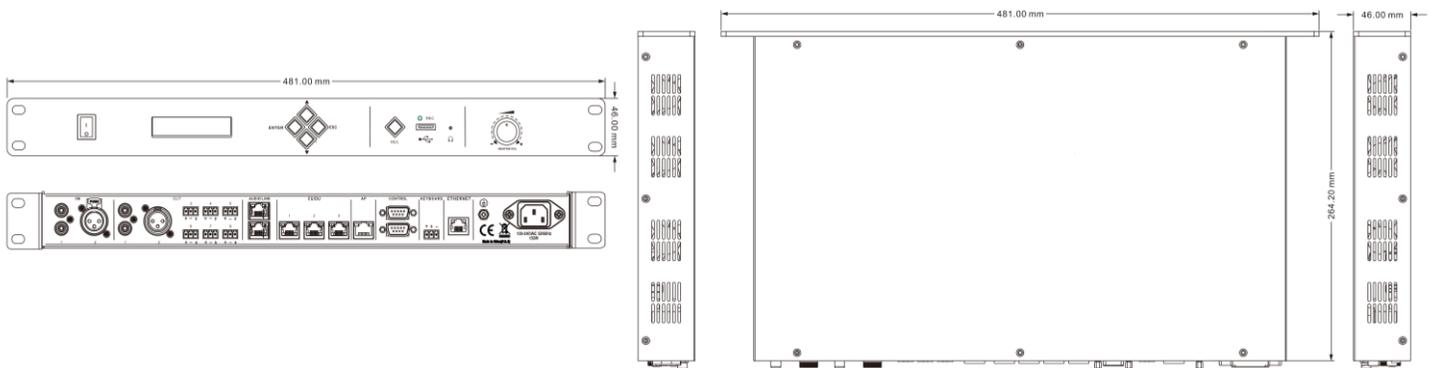
### Technical Parameters

- Battery capacity: 4900mA
- Output voltage: 7.2VDC
- Operation temperature: -20°C~60°C
- Weight: 285g

## Application Scenarios



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



## Ordering Information

PeopleLink Conference System - Controller (Hybrid)	: <b>PL-CSC</b>
PeopleLink Wireless Chairman Microphone Unit	: <b>PPU-WL-CMU</b>
PeopleLink Wireless Delegate Microphone Unit	: <b>PPU-WL-DMU</b>
PeopleLink AP Transmitter	: <b>PPU-WL-APU</b>
PeopleLink Charger Unit (Chairman/Delegate 8 Units)	: <b>PPU-WL-BCU-8</b>

### LEARN MORE

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

## SALES AND INQUIRIES

### Global Headquarters

Q3-A3, 10th Floor Cyber Towers,  
HITEC City, Hyderabad,  
Telangana 500081, **India**  
**Phone:** +91 9100123013  
**Email:** [vc@peoplelinkvc.com](mailto:vc@peoplelinkvc.com)

### International Contact Numbers

**USA:** +1 669-696-8383  
**Australia:** +61 370 037070  
**France:** +33 6 80 75 26 42  
**Middle East:** +966 5300 19292  
**UK:** +44 20 4571 5454

**UAE:** +971 4 3339082  
**Canada:** +1 647-945-7373  
**Malaysia:** +(6)018-2872188  
**New Zealand:** +64-9-802-4666  
**Africa:** +254 107 529 656

### Tech Support

**Toll Free:** 1800 208 3399  
[customersupport@peoplelinkvc.com](mailto:customersupport@peoplelinkvc.com)