

XDC236-CLS/CLG

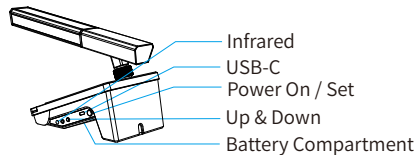
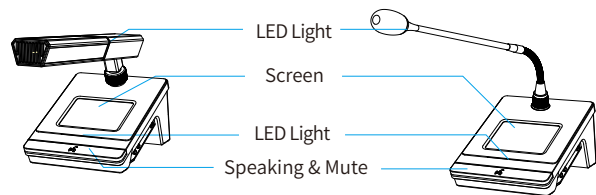
Wire & Wireless Integrated Digital Conference System

Wireless Terminal

Appearance

XDC236-CLS

XDC236-CLG



* There may be differences in microphone rod components for different sub-models, which does not affect the use of the instructions.

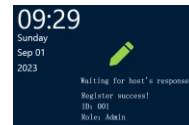
Features

- * The host unit uniformly manages the speeches of wired and wireless units.
- * The wireless subsystem has audio clock synchronization transmission technology with a delay < 4ms. The wired subsystem audio uses uncompressed audio transmission to ensure audio quality with 6-core cable.
- * The host can connect to the wireless gateway (AP) to expand the wireless range.
- * Each subsystem has independent audio output, and the volume can be controlled separately. The wireless subsystem includes 4 independent channel outputs and 1 MIX output. The wired subsystem has one MIX audio output.
- * Supports 4~8 units speaking at the same time, and the two subsystems are configured uniformly.
- * Based on the iMeetingPlat™ technology platform, The conference status and configuration are clear at a glance.
- * Conference mode: First-in-first-out / quantity limit.
- * Date, time, week settings / volume and brightness settings / language settings / unit number / wireless environment scan / Visca, Peleco-D, Peleco-P camera protocols.
- * Supports three roles: Chairman, VIP, and Normal, software-defined.
- Wireless subsystem -
- * Real-time frequency scanning and automatic frequency switching technology. The unit uses the optimal frequency point every time it speaks.
- * Supports up to 3 wireless gateways to access.
- * The wireless gateway supports up to 256 wireless speaking units.

Concept

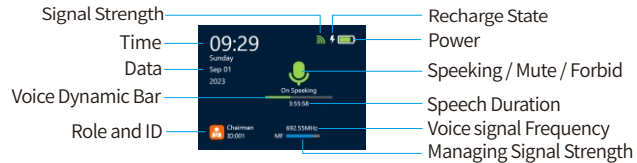
Cman	Chairman Role	Normal Role	Mute
VIP	VIP Role	Wireless Unit	Null Channel is idle

- Conference terminal role description:
 - Chairman:** speak priority and the right to control Normal role for speaking. (Handhold unit do not support this role.)
 - VIP:** Has priority to speak and cannot be muted.
 - Normal:** Polling is available when conditions permit.
 - With the "Real-time Monitoring, Automatic Freq. switching" technology, the host monitors wireless environment and selects the optimal freq. among the 20 freq. So, these 20 freq. should not be used by other equipments:
668.500 / 669.800 / 671.350 / 672.650 / 674. 450 / 675. 750 / 677. 300 / 678.600 / 680.650 / 682.200 / 683.500 / 685.050 / 687.350 / 688.900 / 690.200 / 692.000 / 693.300 / 694.850 / 696.150 / 697.950 (MHz).
 - Hybrid power:** The device can be powered by a built-in 18650 battery or 3 external AA batteries. The device will automatically switch according to the battery status.
- ### 2. Operation Instruction
- Configuration:** Find the microphone back cover and swipe down to open it. After opening, you can see the settings button.
 - Mute:** When the terminal is set to the "Chairman (Cman)" role, long pressing the Speak key will activate the mute function. At this time, all ordinary attendees will be prohibited from speaking, and the mute icon will be displayed. After releasing the key, the mute function ends.
 - Configuration:** In the power-on state, press the "Set" key to enter the configuration interface.
 - Registration:** In normal state, long press any of the up and down keys to enter the registration state. At this time, the host needs to enter the registration state at the same time to complete the registration.

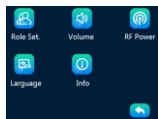


- **Logout:** Logout is available only on the host.
- **Role change:** Role can only be changed on the terminal device when logged out; or set in host.

3. Main



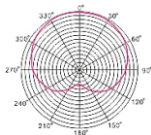
Setting Instruction



- **Role Set:** Chairman / VIP / Attendance.
- **Volume:** Set the output volume. It is recommended when the volume of the terminals is inconsistent.
- **RF Power:** The wireless transmission power of the device, with three levels: high, medium and low.
- **Volume:** Chinese / English.
- **Info:** Software and hardware versions.

Parameters

Directivity



Microphone Indicators	
Type	Capacitive microphone core
Sensitivity	-30±2dB (f=1KHZ, S.P.L=1Pa 0dB=1V/Pa)
Frequency Response	70Hz~16kHz
Operating Voltage Range	1.0V-5.0V
S.P.L (MAX)	105dB (F=1KHz, THD<5%)
SN.	70dB (S:f=1KHz, S.P.L=1Pa; N:A-Weighted curve)
Communication Indicators	
Communication mode	UHF band radio digital communication
modulation	Audio Communication: Pi/4 DQPSK Control Communication: GFSK
Band	Audio Communication: 668MHz ~ 698MHz Control Communication: 2.4GHz
RF Output	<18dBm
Distance	80M (related to signal absorption, reflection, interference, and selection)
Freq. Response Attenuation	<2dB (20Hz~20KHz)
S/N	>96dB
T.H.D	<0.03% (@1KHz)
Time Delay	<4ms
Antenna	Audio Communication: 600MHz Antenna *2 Control Communication: 2.4GHz Antenna *1

Physical and Electrical Specifications	
Power Supply	Build-in 3000mAh Li-Battery + External AA Battery *3 Automatically switches according to the algorithm.
Endurance	>10h; Standby >20h (Li-Battery)
Working Temperature	5°C ~ 45°C (Battery characteristics may limit this range)
Weight / Size	Straight Pole: 280g / Gooseneck Pole: 80g / Base: 523g Straight Pole: 240mm*64mm*45mm Gooseneck Pole: L=400mm; R=40mm Base: 150mm*120mm*8mm
Material	Aluminum Alloy + Engineering Plastics
Storage Temperature	-10°C ~ 74°C (Battery characteristics may limit this range)

Other Instructions

- iMeetingPlat™ is a professional conference system architecture platform technology, consisting of relevant standard interface protocols and patents. iMeetingPlat™ complies with the international GPL open source agreement.

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