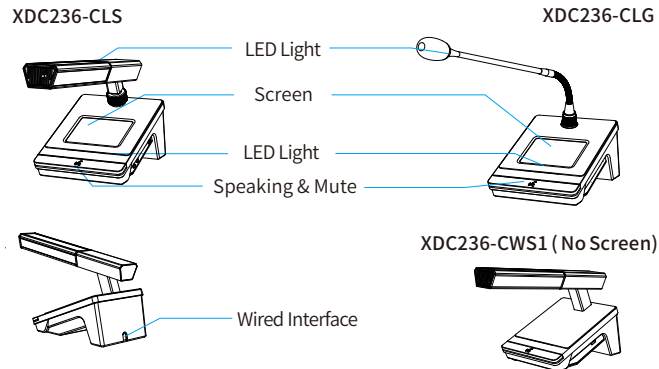


XDC236-CLS/CLG

Wire & Wireless Integrated Digital Conference System

Wired Terminal

Appearance



* 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.
- Wired subsystem -
- * High-speed 6-core digital cable is used with a transmission distance of 150m.
- * Sampling frequency is 48KHz, frequency response is 20Hz-20kHz.
- * Wired subsystem has 4 inputs, each of which can connect up to 32 units, and supports a maximum of 128 units.
- * Supports ring-type hand-in-hand function. With hot-swap protection and short-circuit protection functions.
- * The system terminal adopts metal structure shielding design and circuit anti-interference design, which is not easily affected by signal interference.

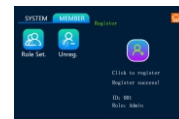
Concept

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.

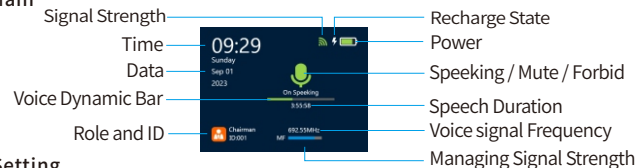
2. Operation Instruction

- **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:** All system and conference-related configuration information is synchronized from the host to each terminal unit.
- **Registration:** After the wired conference terminal is connected to the conference host, the host initiates the registration operation. At this time, the screenless terminal will flash and you need to press the speak button to confirm the registration; click the speak button to complete the registration.
- **Unregistration:** The operation of the wired conference terminal without screen can only be performed on the host; the logout operation of the wired conference terminal with screen can be completed on the device or the host.



Configuration Instructions (only for terminal devices with screens)

1. Main



2. Setting

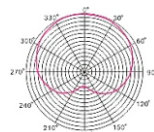
- **Volume:** Control the input volume of the terminal.
- **Language :** Switch the display language between Chinese and English.
- **Wallpaper:** Change the background pattern of the main interface.
- **Info.:** Software and hardware versions.
- **Debug :** Detect the fault when there is a project failure. It can count the line fault points and whether there is a voice failure in each unit.

3. Member

- **Role Set.:** Change the role attribute of the terminal device (Chairman / VIP / Normal). **If the terminal device is already registered, the role cannot be changed and must be deregistered first.**

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	Voice: Analog communication, Control: Digital communication
Dynamic Range	88dB
T.H.D	<0.1% (@1KHz)
S/N	>88dB
Distance	150M
Freq. Response Attenuation	50~16KHz
Automatic Gain Control	2 microphone is on, increase by 2dB; 3-5 increase by 1dB
Harmonic Distortion	<0.03% (@1KHz)
Latency	<0.5%
Transmission Medium	High-speed 6-core digital cable

Physical and Electrical Specifications	
Power Supply	6 Core cable
Endurance	/
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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