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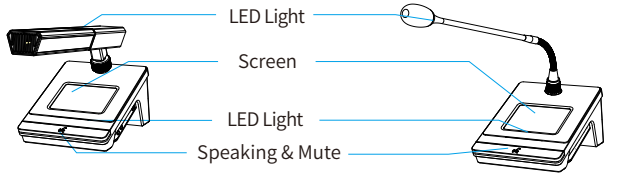
XDC236-CWS/CWG

Wire & Wireless Integrated Digital Conference System

Wired Unit

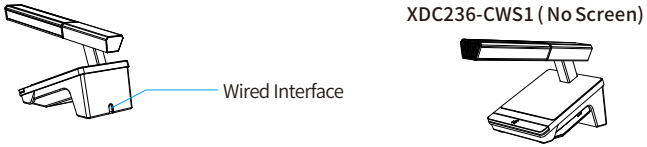
Appearance

XDC236-CLS



XDC236-CLG

XDC236-CWS1 (No Screen)



* 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.

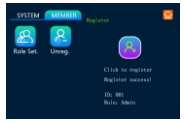
Concept

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

- Conference terminal role description:
  - **Chairman:** speak priority and the right to control Normal role for speeking. (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

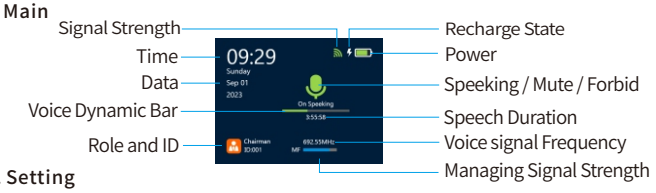
- **Mute:** When the terminal is set to the "Chairman (Cman)" role, long pressing the Speak key will activate the mute function. At this time, all ordinary attendees will be prohibited from speaking, and the mute icon will be displayed. After releasing the key, the mute function ends.
- **Configuration:** 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

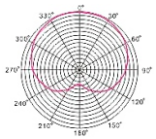
- **Volume:** Control the input volume of the terminal.
- **Language :** Switch the display language between Chinese and English.
- **Wallpaper:** Change the background pattern of the main interface.
- **Info.:** Software and hardware versions.
- **Debug :** Detect the fault when there is a project failure. 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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中文

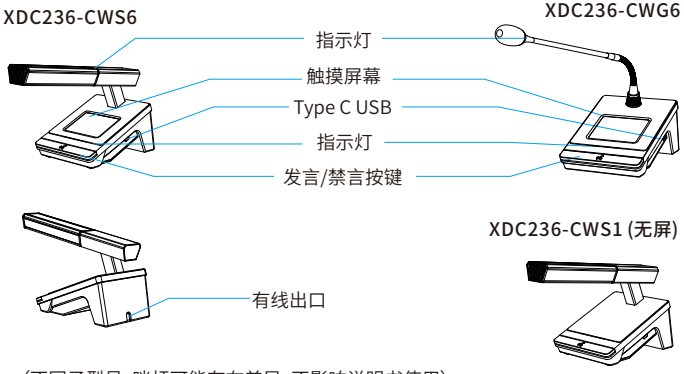
GAODIMIC® | iMeetingPlat™

XDC236-CWS/CWG

有线无线融合数字会议系统 - 有线单元

Wire & Wireless Integated Digital Conference System - Wired Unit

产品外观



（不同子型号，咪杆可能存在差异，不影响说明书使用）

系统特性

* 有线无线融合，主机对有线单元、无线单元统一发言调度、管理。
* 无线子系统具有音频时钟同步传输技术，延时小于 4ms。有线子系统音频采用非压缩音频传输，确保音频质量。有线子系统采用定制屏蔽6芯线缆。
* 主机可有线连接会议系统无线网关（AP），扩展无线接入范围。
* 各子系统音频独立输出，可分别控制音量大小。无线子系统包含 4路独立通道输出和1路MIX输出。有线子系统一路MIX音频输出。
* 支持4~8个单元同时讲话，两个子系统统一配置。
* 基于iMeetingPlat™技术平台，带来全新用户体验。会议状态、配置一目了然。
* 会议模式：先进先出 / 数量限制。
* 日期、时间、星期设置 / 音量和亮度设置 / 语言设置 / 单元编号 / 无线环境扫描 / Visca、Peleco-D、Peleco-P 摄像机协议。
* 支持主席、VIP、列席三种角色，软件定义，成员属性管理轻松便捷。
* 系统终端特有的长横条钢琴键发言按键，静音设计，极佳体验。

- 有线子系统 -

* 采用高速6芯数字电缆传输数据及供电，传输距离最远可达150米。
* 采样频率 48KHz，频率响应20Hz-20kHz,达到 CD 级音质效果。
* 有线子系统4路输入，每路最多接32台，最大支持128台单元。
* 支持环型手拉手功能。具备热插拔保护，短路保护功能。
* 系统终端采用金属结构屏蔽设计和电路抗干扰设计，不易受信号干扰。

使用说明

1. 基本概念及操作

该终端为无线接入　　Normal 普通列席角色

Cman　Chairman主席角色　　已被禁言

VIP　VIP角色　　Null　该通道无发言

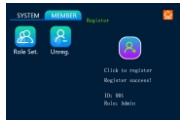
- 会议终端角色说明：
  - 主席（Chairman / Cman）：拥有发言优先权，且拥有对普通列席（Normal）发言控制权，可禁止普通列席（Normal）发言。
  - VIP列席(VIP)：拥有发言优先权，不能被禁言。
  - 普通列席(Normal)：在条件允许情况下可以轮询发言。

2. 基本操作

- 开机 / 关机：有线会议终端接入会议系统后，开机关机跟随主机状态。
- 禁言：当终端设置为“主席（Cman，Chairman）”角色时，长按发言键时将激活禁言功能，此时所有普通列席将被禁止发言，同时显示禁言图标。松开按键后，禁言功能结束。
- 配置：所有系统及会议相关的配置信息由主机同步给各个终端单元。

3. 注册&注销

- 注册：有线会议终端接入会议主机后，在主机发起注册操作。此时，无屏终端将闪烁，需要按发言键确认注册；点击发言键即可完成注册。



- 注销：无屏有线会议终端注销操作只能在主机上进行；有屏有线会议终端注销操作可在设备或主机上完成。

配置说明（仅针对有屏终端设备）

1. 主界面



2. 系统配置

- 音量（Volume）：可以控制该终端的输入音量。
- 语言（Language）：可以切换显示语言，中文/English。
- 背景（Wallpaper）：可以更改主界面的背景图案。
- 信息（Info）：显示系统的软硬件软件版本。
- 调试（Debug）：工程故障时候，用于检测故障，可统计线路故障点，各单元是否存在语音故障。

3. 成员配置

- 角色设置（Role Set.）：更改该终端设备的角色属性（主席Chairman / VIP / 普通列席 Normal）。如终端设备已经是注册状态，角色不能更改，必须先进行注销。

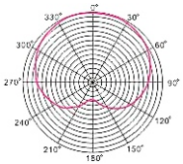
主要参数

项目	参数
通信模式	语音信道：模拟通信，　控制信道：数字通信
综合S/N	>88dB
动态范围	88dB
综合T.H.D	＜0.1%（@1KHz）
频响（Hz）	50~16KHz
频响衰减	<1dB（50~16KHz）
传输时延(ms)	<1ms
传输介质	专业高速6芯数字电缆
谐波失真	<0.5%
单元连接头	6芯大DIN*5
有效传输距离	150M

物理电气指标	参数
屏幕	3.5inch TFT全彩触控显示屏，640x480
供电	6芯数字电缆
工作温度范围	-18°C ~ 50°C（电池特性可能会限制该范围）
重量	150g
尺寸(mm)	底座：120x180x110；咪杆：290x50x40
材质	铸铝+铸铁+工程塑料
存储温度范围	-29°C ~ 74°C（电池特性可能会限制该范围）

麦克风指标	参数
类型	电容咪芯
灵敏度	-30±2dB（f=1KHZ,S.P.L=1Pa 0dB=1V/Pa）
频响范围	70Hz～16kHz
工作电压范围	1.0V-5.0V
最大S.P.L	105dB（F=1KHz，THD＜5%）
信噪比	70dB（S:f=1KHz,S.P.L=1Pa；N:A-Weighted curve）

指向性



其他说明

- iMeetingPlat™ 为专业的会议系统架构平台技术，由相关的标准接口协议及专利组成。

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