中文

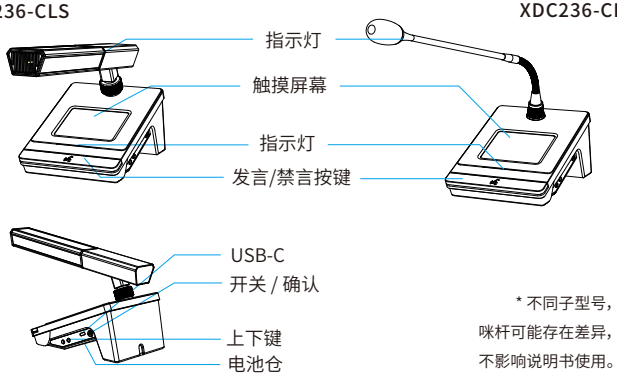
XDC236-CLS/CLG

有线无线融合数字会议系统 - 无线终端

Wired & Wireless Integated Digital Conference System - Wireless Unit

产品外观

XDC236-CLS



XDC236-CLG

* 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。

- 无线子系统 -

* 实时扫频，自动切频技术。单元在每次发言时使用最优频点。
* 支持最多3套无线网关接入，无线接入范围不再受主机位置局限。
* 无线网关支持最多256个无线发言单元。

使用说明

1. 基本概念及操作

该终端为无线接入

Cman Chairman主席角色

VIP VIP角色

Normal 普通列席角色

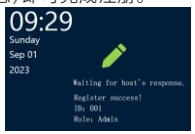
已被禁言

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。

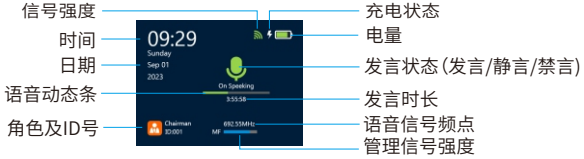
2. 基本操作

- 电池：本设备采用iweex®未可思®的“混合动力技术”，内置18650锂电池，也可安装外置AAA电池（x3）供电。外置AAA电池优先供电，设备自动切换。
- 开机 / 关机：长按开关键。
- 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：开机状态，长按“向上”键进入配置界面，上下键选择配置选项，按确认键进入选项。各配置选项中，选择至 后，按确认即可退出。
- 注册：在正常状态下，长按上下键任意一个，即可进入注册状态。此时，需要主机同时进入注册状态，即可完成注册。

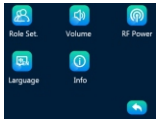


- 注销：仅在主机上可进行注销操作。
- 角色更改：只有注销状态才能从终端设备上更改角色。

3. 主界面



配置说明

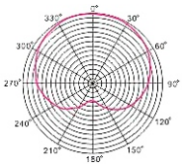


- 角色（Role Set.）：提供主席（Chairman）、贵宾（VIP）、列席（Attendance）三种角色，各功能见说明。
- 音量(Volume)：设置会议终端单元的输出音量，建议仅在终端设备音量不一致时候调整。
- 功率（RF Power）：设备的无线发射功率，高中低三档。
- 语言（Volume）：可设置中文和English。
- 信息（Info）：可查看设备软硬件版本。

主要参数

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



项目	参数
通信模式	语音信道：U段数字通信；管理信道：2.4G数字通信
调制方式	语音信道：PI/4 DQPSK；管理信道：GFSK
载波频段	668MHz~698MHz；
综合S/N	>96dB
动态范围	96dB
综合T.H.D	＜0.2%（@1KHz）
频响（Hz）	30Hz~18KHz
频响衰减	<2dB（50~16KHz）
传输时延(ms)	<4ms
相位偏差	30Hz低音偏离<30°；18KHz高音偏离<60°
有效传输距离	80M
物理电气指标	**参数**
屏幕	2.8 inch TFT全彩触控显示屏，480x320
供电	18650 2000mha锂电池 / AAA电池(1.5V)*3[混用动力技术]
充电接口	USB-C
续航	内置电池：发言时间＞8h；待机时间＞15h AAA电池：发言时间＞3h；待机时间＞6h
工作温度范围	-18°C ~ 50°C (电池特性可能会限制该范围)
重量	160g，无外部电池
尺寸(mm)	底座：120x180x110；咪杆：290x50x40
材质	铸铝+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)

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。包括：有线&无线2.4GHz会议系统管理信道通信协议、有线&无线600MHz会议系统语音信道通信协议、会议系统UI控制通信协议。

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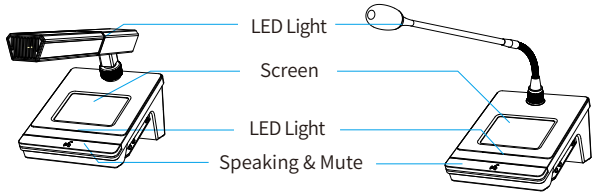
XDC236-CLS/CLG

Wired & Wireless Integrated Digital Conference System

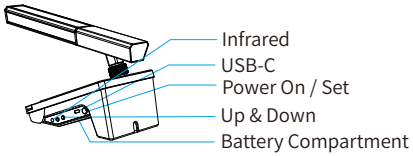
Wireless Unit

Appearance

XDC236-CLS



XDC236-CLG



* There may be differences in micro-phone 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.

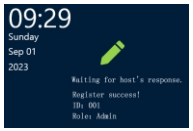
Concept

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 speeking. (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.

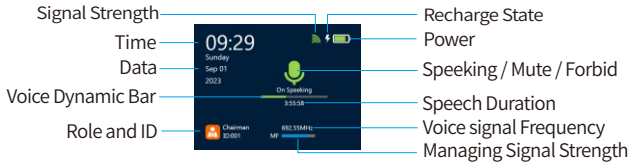
2. Operation Instruction

- **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.

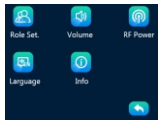


- **Logout:** Logout is available only on the host.
- **Role change:** Role can only be changed on the terminal device when logged out; or set in host.

3. Main



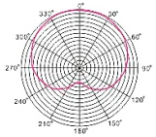
Setting Instruction



- **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-in3000mHA 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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