中文

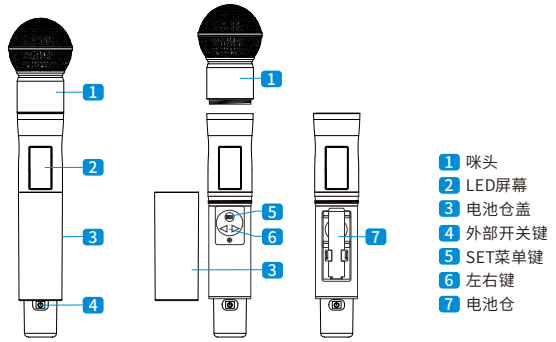
GAODIMIC® | iMeetingPlat™

XDC236-CH5

有线无线融合数字会议系统 - 手持终端

Wired & Wireless Integrated Digital Conference System - Handheld Type Terminal

产品外观



1 咪头
2 LED屏幕
3 电池仓盖
4 外部开关键
5 SET菜单键
6 左右键
7 电池仓

手持话筒(整体)　　手持发射机(下部分)

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个单元同时讲话，有线及无线子系统统一配置。
* 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。
* 实时扫频，自动切频技术。单元在每次发言时使用最优频点。
* 无线子系统支持最多999个无线发言单元。
* 手持会议单元支持VIP、列席两种角色，软件定义，成员属性管理轻松便捷。

使用说明

1. 基本概念及操作

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

2. 基本操作

- **混用动力：**本设备采用“混合动力技术”，可使用14500锂电池，或AAA电池供电。设备自动切换。
- **开机 / 关机：**长按开关键。
- **配置：**找到麦克风背盖，向下划动，即可打开，打开后即可看到设置键。

3. 主界面



- 发言：短按正面“开关”键即可。
- 禁言：短按正面“开关”键可自己禁言，不再参与发言。被主席或管理员禁言：普通列席可被主席单元或主机禁言。
- D：普通列席角色；V：VIP角色。

4. 进入设置状态进行配置修改

- 短按设置键进入设置状态，不断短按设置键，系统将按以下次序切换菜单。
- 选中目标菜单后，短按“上下键”即可调改菜单的配置值。

4.1 角色(Role)



- 未注册时可切换：“VIP列席”、“Normal普通列席”。
- 如已注册，需要在主机上注销后才可以修改。

4.2 音量(Volume)



- 可切换音量：“1 ~ 7”。数值越大，信号发射前增益越大。

4.3 发射功率(RF Power)



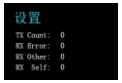
- 可切换发射功率：High, Middle, Low。
- 信号发射功率越大，传输距离越远，越耗电。

4.4 语言(Language)



- 中文，英文。

4.5 调试模式(Debug)



- 工程故障时，问题分析时工具。
- TX为发射机发送报文数量，Err为接收报文错误数量。

4.6 注册(Register)



- **注册(Register)：**选择“Register”后，即启动。注册成功的终端将被主机分配通道ID，并在LED左上角显示，否则，显示为“---”。
- **在会议主机开启“注册”功能后，**终端才可以进行有效的配对。
- 如配对成功，即显示“Register OK”，同时显示新分配的通道ID。
- 配对中状态下，短按开关按键即取消配对，显“Register Cancel”。

4.7 信息



- 展示硬件型号、软件版本、出厂时间等信息。

主要参数

物理电气指标	参数
供电	14500锂电池(3.7V) *2 或 5号电池(1.5V)*2 [混用动力技术]
续航能力(小时)	＞10h(锂电池) / 3.5h(AA 5号电池)
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，无电池
尺寸	L=245mm；R=38mm
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)

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
综合T.H.D	＜0.2%(@1KHz)
频响	30Hz~18KHz
频响衰减	<2dB(50~16KHz)
时延	<4ms
相位偏差	30Hz低音偏离<30°；18KHz高音偏离<60°
有效传输距离	80M

麦克风指标	参数
类型	动圈咪芯
灵敏度	0^0 - 71dB±3dB (0dB=1V/ubar @ 1KHz)
频响范围	50Hz～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

其他说明

- 本会议系统采用**iMeetingPlat™** 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。**iMeetingPlat™** 遵循国际GPL 开源协议。

GAODIMIC® | iMeetingPlat™

功能变更，请访问网站(www.gaodimic.com)获取最新资料。
GAODIMIC®高德麦®、iweex®未可思®、AT210Tech™、DT220Tech™、iMeetingPlat™皆为睿臻旗下品牌标徽。

深圳市睿臻信息技术服务有限公司
infoSVC Co., Ltd

EN

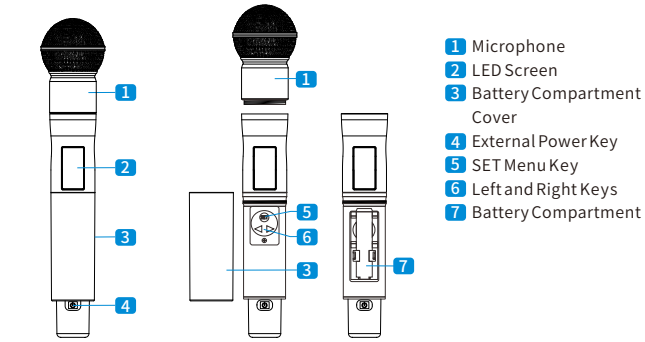
XDC236-CH5

GAODIMIC® | iMeetingPlat™

Wired & Wireless Integrated Digital Conference System

Handheld Unit

Appearance



Handheld MIC (All)　　Handheld Transmitter (Lower part)

1. Microphone
2. LED Screen
3. Battery Compartment Cover
4. External Power Key
5. SET Menu Key
6. Left and Right Keys
7. Battery Compartment

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 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.
* Real-time frequency scanning and automatic frequency switching technology. The unit uses the optimal frequency point every time it speaks.
* The wireless gateway supports up to 999 wireless speaking units.
* Supports three roles: VIP, and Normal, software-defined.

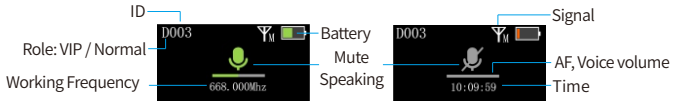
Concept

- **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.
- **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

- **Power on/off :** Long press the power button.
- **Configuration:** Find the microphone back cover and swipe down to open it. After opening, you can see the settings button.

3. Main



- Speaking: Simply press the "Speech" button. The speaking mechanism follows the attending "mode" set by the host side.
- Mute : Short press the "Speech" button. Cannot speak when prohibited by the chairman role Unit, such as the right figure.

4. Setting for Functions

- Short press the setting button to enter the setting state, and the system will switch menus in the following order.
- Short press the "Up/Down" button on the front to change the option values.

4.1 Role



- "VIP"& "Normal " can be set on unregister status, and it needs to be unregistered on the host before modification action.

4.2 Volume



- Switchable volume: “1 ~ 7”. The larger the value, the greater the gain before the signal is transmitted.

4.3 RF Power



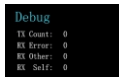
- Switchable transmission power: High, Middle, Low.
- The greater the RF Power, the longer the transmission distance and the more power consumption.

4.4 Language



- English or Chinese.

4.5 Debug



- When there is any failure, it is a tool for problem analysis.
- TX is the number of messages sent by the transmitter, and Err is the number of errors in the received messages.

4.6 Register



- **Registration**: to establish a communication channel between terminals and the host. The successfully registered terminal will be assigned a channel ID number and displayed in the LED. Otherwise, it will be displayed as "---".
- **Pair pairing**: The communication process between the terminal and the host. The activity is effective only with the "Registration" enabled on the host.
- Short press the wheel button to activate Pair pairing. "Pair OK" for success. During pairing, short press the wheel button to cancel pairing.

4.5 Info



- Displays information such as hardware model, software version, and production time.

Parameters

Physical and Electrical Indicators	
Power Supply	USB 5V + Built-in Lithium Battery
Endurance	＞20h
Material Quality	Cast iron & Engineering Plastics
Weight / Size	860g / 150mm x 98mm x 250mm(MAX)
Operating Temperature Range	-18°C ~ 50°C (Battery characteristics maybe limited)
Storage Temperature Range	-29 °C ~ 74 °C (Battery characteristics maybe mited)
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	60~120M（related to signal absorption, reflection, interference, and selection）
Freq. Response Attenuation	<2dB（20Hz~20KHz）
S/N	>97dB
T.H.D	＜0.03%（@1KHz）
Time Delay	<4ms
Antenna	Audio Communication:600MHz Antenna *2 Control Communication: 2.4GHz Antenna *1
Microphone Indicators	
Type	Dynamic Microphone
Sensitivity	0^0 - 71dB±3dB (0dB=1V/ubar @ 1KHz)
Frequency Response	50Hz ~ 16kHz
Directivity	Single pointing
S.P.L (MAX)	105dB (F=1KHz, THD＜5%)
SN.	70dB (S:f=1KHz,S.P.L=1Pa; N:A-Weighted curve)

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.
- 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)。

GAODIMIC® | iMeetingPlat™

infoSVC Co., Ltd
www.gaodimic.com
facebook: @GAODIMIC / Ins: @GAODIMIC

GAODIMIC® & iweex® belong infoSVC' s trademark