

# TAKSTAR® 得胜

## DG-S200 | 有线会议系统

Wired Conference System



使用说明  
User's Manual

# DG-S200 有线会议系统

## ■ 前言

尊敬的用户：

感谢您选购得胜DG-S200有线会议系统，为了您能够更好的了解使用本产品，建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议，可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



## ■ 产品特性

### 有线会议系统主机

- 会议控制主机最多可连接128台会议单元，通过会议扩展主机，一套会议系统至多可接入4096台会议单元；
- 8芯航空插头连接，“手拉手”连接方式，且会议单元带有可调增益功能；
- 具有同时发言人数限制（1/2/3/4/5/6）设置功能、投票表决、发言限制等数据管理功能；
- 可设定VIP代表发言单元，VIP单元在已开启的话筒总数不超过20台的情况下可以自由开启而不受会议模式限制，最多可设置30台VIP单元；
- 支持FIFO(先进先出)、Normal（普通）、Voice Activated（声控）、Free（自由）、Request（申请）五种会议模式；
- 内置DSP数字音效处理器，包括低频切除、移频器和均衡器等；
- 可以全程会议录音，有自动录音和手动录音两种录音方式可选；且具备发言定时和定时发言结束提醒倒计时功能；
- 主机集成了摄像跟踪系统，有6个HDMI高清视频接口和6个BNC标清视频接口，可实现自动摄像跟踪功能；
- 具有TCP/IP网络协议下的RJ45接口，连接网络，通过PC端软件控制系统的全部功能。

### 有线会议系统单元

- 集发言、投票表决功能于一体的会议发言单元；
- 采用集音管拾音，拾音距离20-80cm，拾音距离远；
- 心型指向拾音，拾音方向准确，有效降低环境噪音的拾取；
- 可调增益功能，可根据现场需求灵活配置；
- 50°仰角可调，与底座连接处增加锁紧设计，角度调整准确有效；
- 具备3.5mm接口，支持外接耳机监听，同时音量可供调节；
- 带话筒开关键及“开始”、“同意”、“弃权”、“反对”、“停止”5种投票表决键，并具备按键签到功能；
- 通过主机设置，主席单元具有控制会议秩序的优先权功能，讲台模式，批准代表申请发言功能等；
- 清晰LCD显示屏，搭配红色工作指示光环，单元工作状态一目了然；
- 单元为无源设备，由系统主机供电，输出电压为24V。

# DG-S200 有线会议系统

## ■ 适用范围

企事业单位、政府机关等会议室安装

## ■ 技术参数

### 有线会议系统主机

- AUX输入电压：250(±20) mV
- Alarm输入电压：250(±20) mV
- 最大输入电压：4(±0.2) V
- AUX输出电压：1(±0.1) V
- BALANCE OUT平衡输出电压：10(±5)mV
- 频率响应：40Hz-20kHz(±3dB)
- 总谐波失真+噪声：<1%
- 工作电压：100-240V AC 50/60Hz
- 静态功耗：<15W
- 最大功耗：350W

注：以上数据由得胜实验室测试得到。

### 有线会议系统单元

- 灵敏度：-38dB/Pa
- 频率响应：50Hz-12kHz(±3dB)
- 总谐波失真+噪声：<1%
- 耳机输出35mW，32Ω，3.5mm
- 工作电压：主机供电 DC24V
- 静态功耗：<1W
- 最大功耗：2W

### DG-S200主机清单

主机	1台
控制线	1条
卡侬音频线	1条
13米八芯延长线	1条
电源线	1条
用户手册	1份
软件光盘	1个

### DG-S200A1主席单元

DG-S200A1	1台
主缆2米/分支线1.5米	1条

### DG-S200A2代表单元

DG-S200A2	1台
主缆2米/分支线1.5米	1条

# DG-S200 有线会议系统

## ■ 功能示意

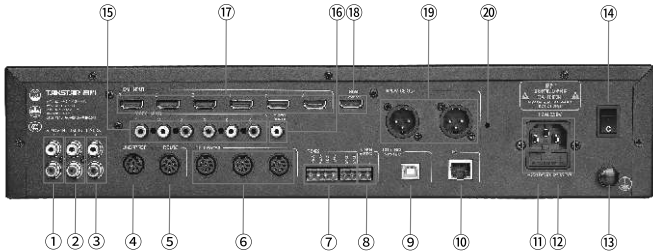
### DG-S200主机

#### 前面板



- ① 电源指示灯：打开电源开关时，指示灯亮；关闭电源开关时，指示灯灭；
- ② USB接口：可连接USB接口鼠标进行操作；可连接U盘开启录音功能；
- ③ 液晶显示触摸屏：显示所有功能项图标及操作过程的菜单；可通过触摸屏进行操作设置。

#### 背面板

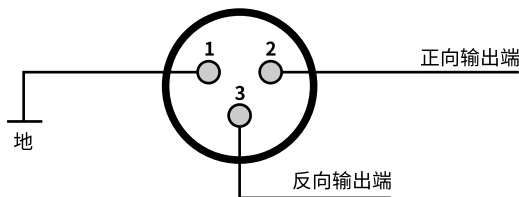


- ① 告警音频输入接口：连接来自消防中心的报警音频信号，与告警触发信号联动
- ② 线路音频信号输入接口：连接音源设备或调音台设备为本设备提供线路音频信号
- ③ 音频信号混合输出接口：连接功放，该输出包括线路音频信号和报警信号以及话筒信号
- ④ 翻译主机与控制主机连接接口



## DG-S200 有线会议系统

- ⑤ 拓展主机接口：用于会议控制主机与拓展主机的连接，传输音频信号和通讯信号
- ⑥ 会议单元接口：3个接口总共可连接会议单元128个
- ⑦ 摄像头控制接口：用于连接摄像头的控制信号，摄像头之间手拉手方式连接控制线
- ⑧ 消防告警联动触发接口：当加+5V电压触发告警联动时，所有会议单元屏幕上显示“告警”，而且所有会议单元话筒都关闭；当接口断开+5V电压时，系统会自动返回告警前的工作状态
- ⑨ 中控接口：用于连接智能中央控制系统，实现远红外会议系统等集中会议控制功能
- ⑩ 以太网接口：会议系统可以通过TCP/PC协议实现远程控制；当接入WIFI无线网络时，使用平板电脑实现无线会议控制
- ⑪ 电源保险丝座：F2AL250V电源保险丝座。当保险丝被熔断时，请用同样规格的保险丝更换；当连续熔断则预示设备故障，请排除故障再更换保险丝，更换方法详见本说明书的“保险丝更换方法”部分
- ⑫ 电源输入接口：AC220V/50Hz/350W电源输入接口
- ⑬ 接地接头：用于将会议控制主机与大地连接，防止设备漏电或静电造成人员触电或设备损坏
- ⑭ 电源开关：开启或关闭电源
- ⑮ 标清视频输入接口：6个标清摄像头接口，通过同轴线缆与摄像头连接。注：一个接口连接一个摄像头，连接本机的6个摄像头必须是同一品牌
- ⑯ 标清视频输出接口：连接投影仪等视频设备，将摄像头的视频内容输出到大屏幕
- ⑰ 高清视频输入接口：6个高清摄像头接口，通过同轴线缆与摄像头连接  
注：一个接口连接一个摄像头，连接本机的6个摄像头必须是同一品牌
- ⑱ 高清视频输出接口：连接投影仪等视频设备，将摄像头的视频内容输出到大屏幕
- ⑲ 音频信号混合输出：与音频信号混合输出接口并联，为平衡输出插座  
三个脚的信号如下图：

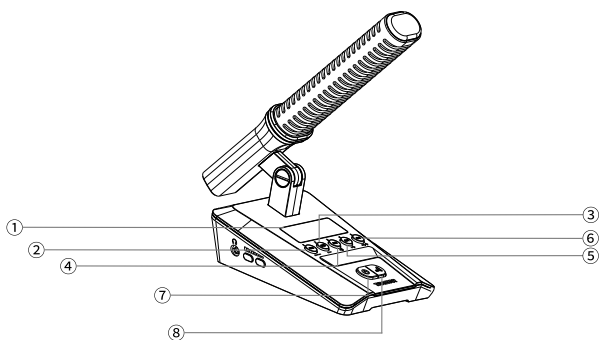


- ⑳ 复位按键孔：可用卡针插入孔内即可恢复出厂设置

# DG-S200 有线会议系统

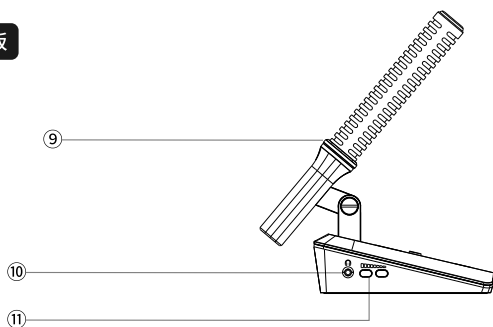
## DG-S200A1主席机

### 前面板



- ① LCD显示屏：显示当前单元的ID编号、工作状态、表决结果和操作信号；
- ② “开始” 按键：选择开始功能按键，配合PC软件进行评级操作；
- ③ “同意” 按键：表决操作同意功能按键，配合PC软件进行评级操作；
- ④ “弃权” 按键：表决操作弃权功能按键，配合PC软件进行评级操作；
- ⑤ “反对” 按键：表决操作反对功能按键，配合PC软件进行评级操作；
- ⑥ “停止” 按键：选择停止功能按键，配合PC软件进行评级操作；
- ⑦ 主席优先权按键：长按2秒该按键，开启或关闭主席优先发言功能；当使用主席优先权按键时，正在发言的单元将静音或关闭；
- ⑧ 话筒开关按键：重复按下按键，开启或关闭话筒拾音功能。

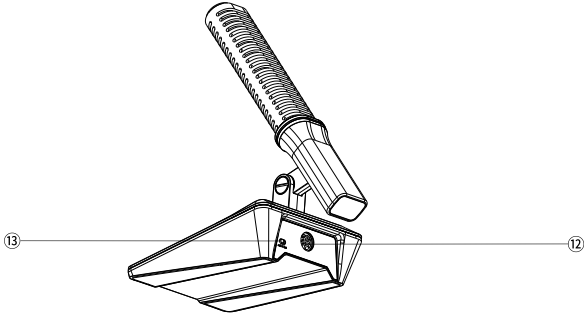
### 侧面板



- ⑨ 信号指示灯：当按下话筒开关按键时，指示灯亮；当进行摄像跟踪定位时，指示灯闪烁；
- ⑩ 耳机接口：可连接3.5mm接口的耳机；
- ⑪ 音量调节按键：调节耳机音量大小。

# DG-S200 有线会议系统

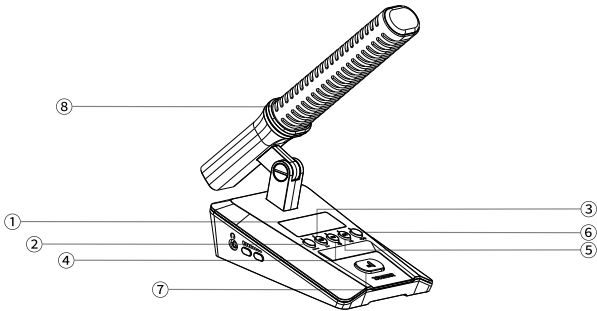
## 背面板



- ⑫ 话筒接口：通过音频线与远程视频会议系统连接；
- ⑬ 增益开关：当开关拨至“0”位置时，为关闭增益调节状态；当开关拨至“+10dB”位置时，为增强拾音灵敏度，适合远距离拾音；当开关拨至“-10dB”位置时，降低拾音灵敏度，适合近距离拾音，可根据不同使用环境选择。

## DG-S200A2代表机

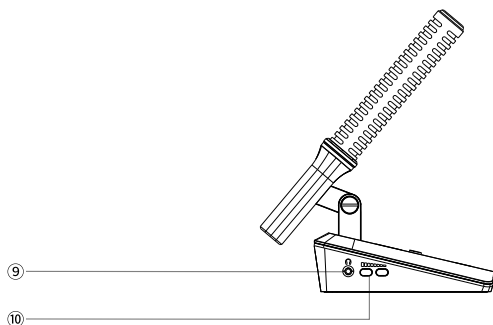
## 前面板



- ① LCD显示屏：显示当前单元的ID编号、工作状态、表决结果和操作信号；
- ② “开始” 按键：选择开始功能按键，配合PC软件进行评级操作；
- ③ “同意” 按键：表决操作同意功能按键，配合PC软件进行评级操作；
- ④ “弃权” 按键：表决操作弃权功能按键，配合PC软件进行评级操作；
- ⑤ “反对” 按键：表决操作反对功能按键，配合PC软件进行评级操作；
- ⑥ “停止” 按键：选择停止功能按键，配合PC软件进行评级操作；
- ⑦ 话筒开关按键：重复按下按键，开启或关闭话筒拾音功能；
- ⑧ 信号指示灯：当按下话筒开关按键时，指示灯亮。

## DG-S200 有线会议系统

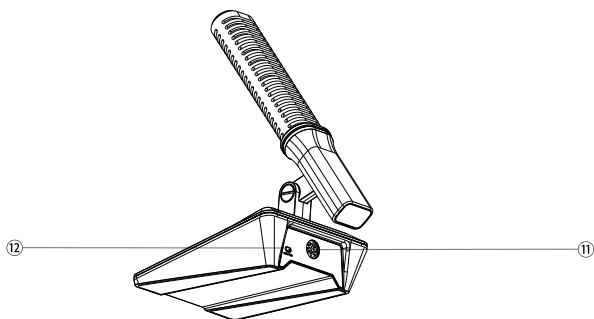
### 侧面板



⑨ 耳机接口：可连接3.5mm接口的耳机；

⑩ 音量调节按键：调节耳机音量大小。

### 背面板



⑪ 话筒接口：通过音频线与远程视频会议系统连接；

⑫ 增益开关：当开关拨至“0”位置时，为关闭增益调节状态；当开关拨至“+10dB”位置时，为增强拾音灵敏度，适合远距离拾音；当开关拨至“-10dB”位置时，降低拾音灵敏度，适合近距离拾音，可根据不同使用环境选择。

第一部分：会议系统连接说明

DG-S200有线手拉手会议系统有会议控制主机、会议单元等设备组成，具有讨论发言、投票表决、自动摄像跟踪等功能的手拉手会议系统，架构简单、安装方便。

一、系统连接说明

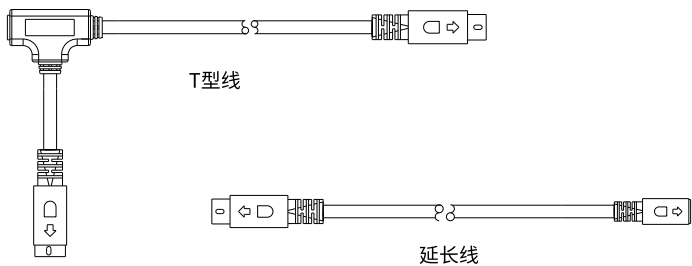
系统连接需要的基本线材为

8芯线缆、网线、音频线、连接摄像头用的同轴线（BNC插头对莲花插头）和数据线。

其中8芯线缆有T型线和延长线两种，延长线13米，T型线2米\*1.5米，根据两端插孔的不同需求可分为：

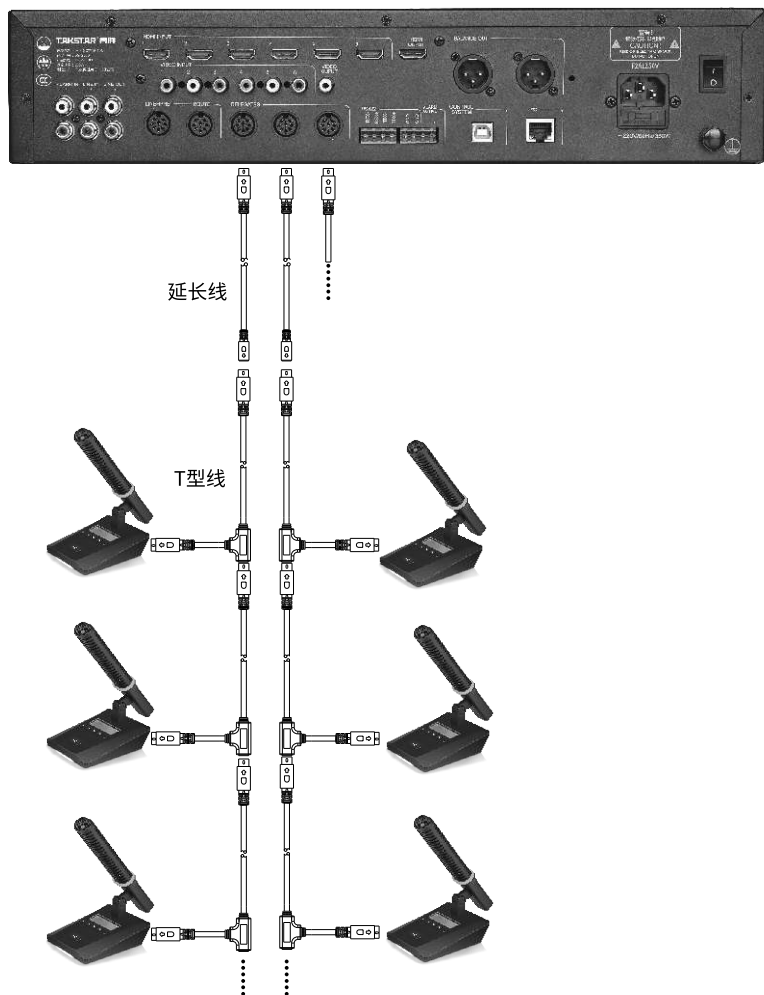
- 1. 单元配T型线；
- 2. 会议主机配延长线；

如下图：



## DG-S200 有线会议系统

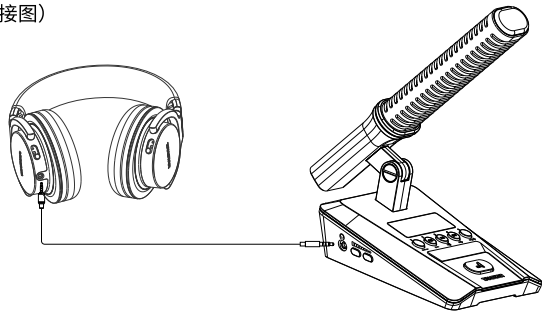
连接时将延长线的公插头插到会议主机的单元输出接口，将母插头插到T字转接头的公插头，再将T字接头公插头插到会议单元母插头。将128个单元分别连接到三路输出接口时，如下图连接；



# DG-S200 有线会议系统

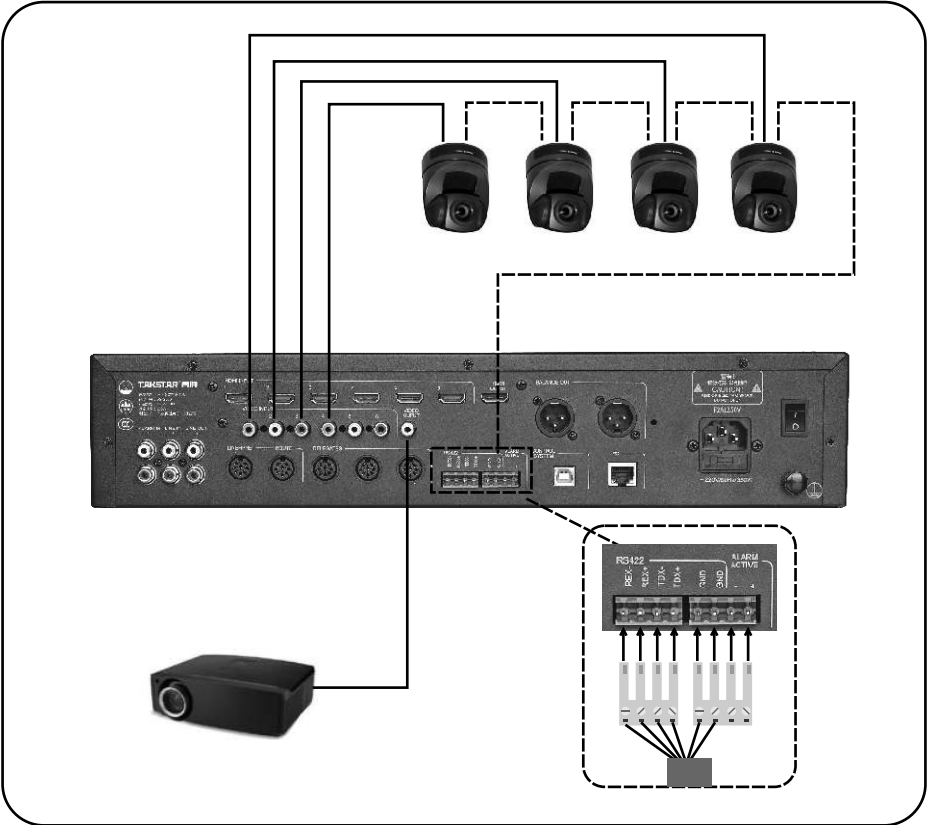
## 二、耳机连接

通过会议单元侧面的耳机接口可以外接3.5mm接口耳机，并通过耳机音量调节音量大小，如图所示：  
(会议单元的耳机连接图)



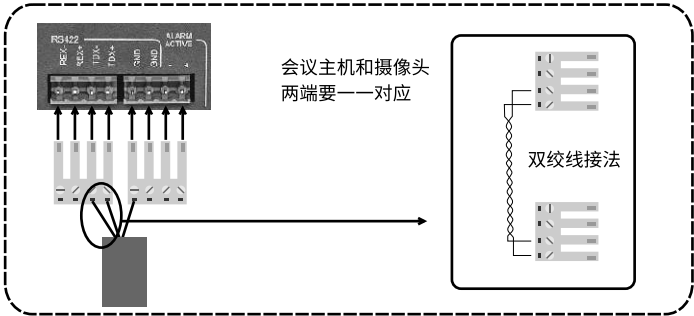
## 三、摄像头视频连接

1. 摄像头的控制信号以手拉手的方式进行连接。连接方式如下；

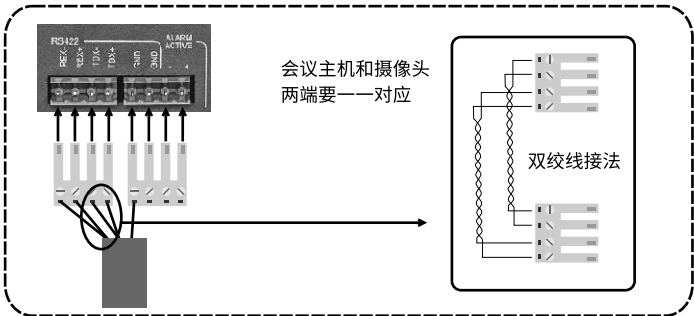


# DG-S200 有线会议系统

2. 如上图，摄像头的控制线建议使用双绞线，其中一对双绞线连接TXD+和TXD-接口，一对双绞线连接RXD+和RXD-接口，两个GND接口并联，所以可以只连接其中一个。RS422接口的插头制作方法有两种：  
1)信号需要单向传输（只写）时，如下图：



2)信号需要双向传输（读写）时，如下图：

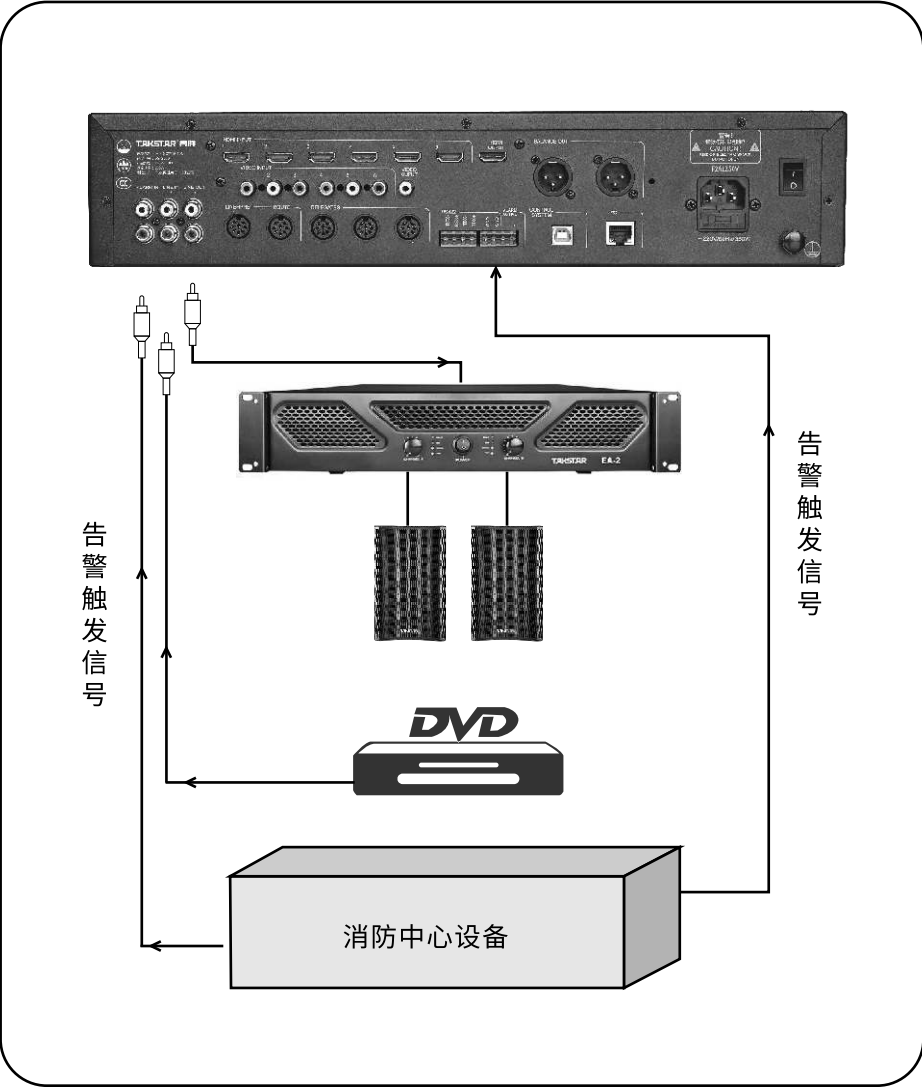




# DG-S200 有线会议系统

## 四、告警及线路输入输出连接

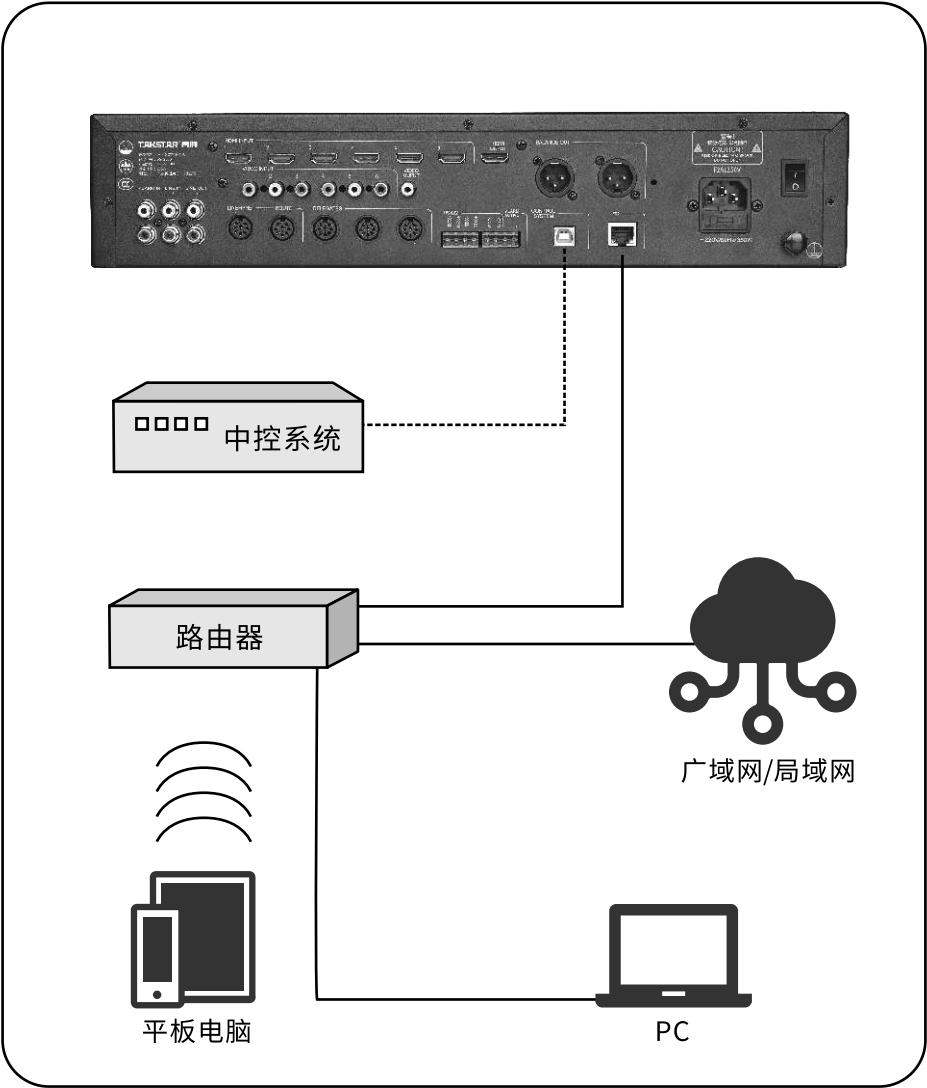
告警输入连接消防中心，线路输入连接外设音源设备，线路输出连接到功放设备，可以将告警音频、辅助音频以及发言人的声音放大输出。连接使用两端为莲花插座的音频线。（告警及音频输入输出连接图）



# DG-S200 有线会议系统

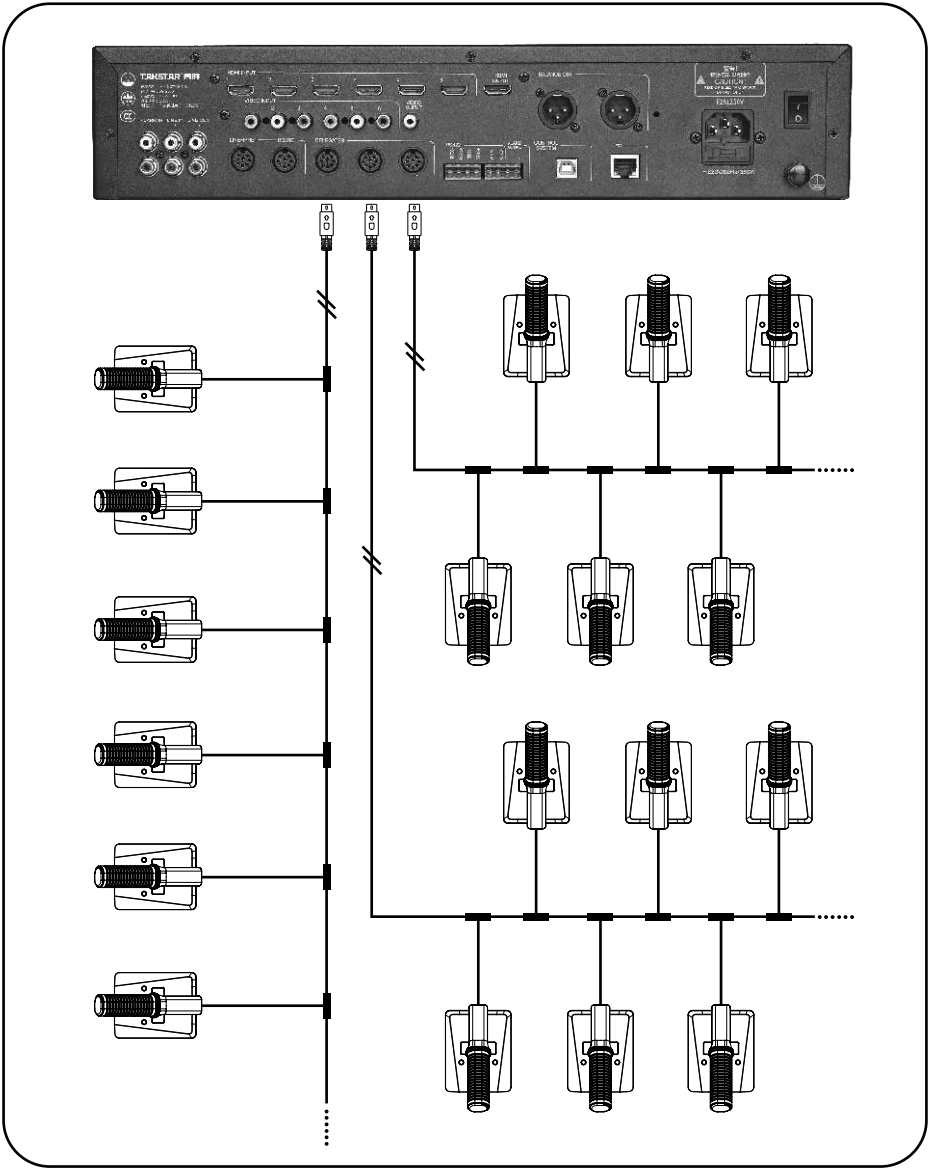
## 五、中控及网络连接

会议系统可连接中央控制系统实现集中控制，也可以通过TCP/IP协议实现电脑远程控制。远程控制可以通过电脑Windows系统实现；当会议系统、PC、平板电脑在同一网络，即可实现远程控制。（中控及网络连接图）



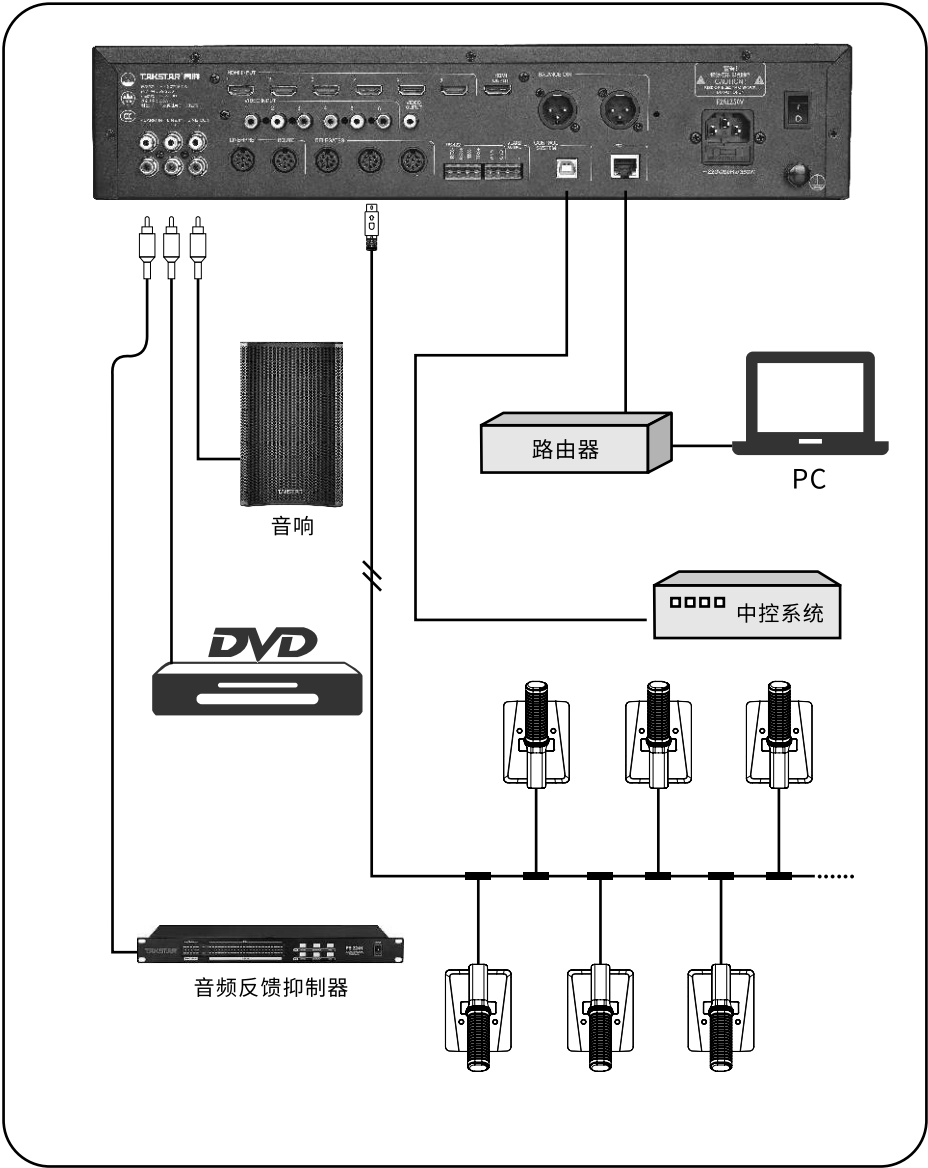
# DG-S200 有线会议系统

六、单元与主机连接示意图



# DG-S200 有线会议系统

## 七、系统典型应用拓扑图



第二部分：用户操作手册

1.0设置操作说明

在系统所有安装及连接完成后，需要对会议控制主机进行各项功能设置，并且所有设置都必须在会议开始前完成。

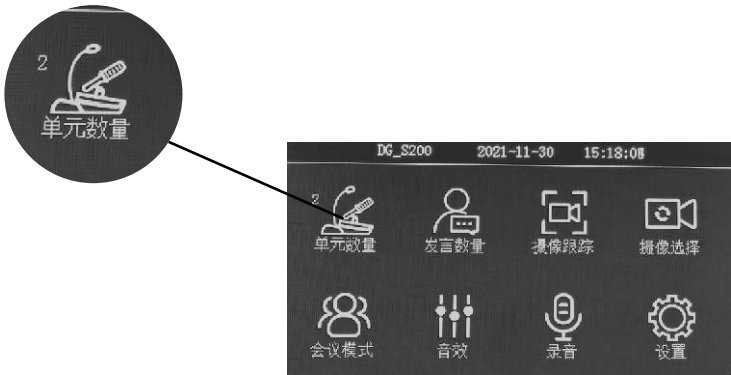
一、开机启动机器

打开电源开关，机器会自动启动操作系统、会议控制软件、系统初始化，最后完成进入主界面（开机界面）。在屏幕上触摸操作项图标可进入相应的操作界面，如图所示；



二、查看单位数量

在主界面上的“单元数量”图标上可以直接看到当前接入系统的单元数量，包括主席单元、代表单元等所有单元总和，如图所示；



### 三、设置发言数量

本项设置的发言限制数量是在非全开放会议模式下有效。在主界面触摸“发言数量”图标可进入发言单位数量，可查看“发言单位数量”，显示当前正在发言的单位数量；“申请发言单位数量”，显示正在申请发言的单位数量；“允许同时发言单位数量”设置界面，如图所示；



允许同时发言的单位数量最多设置为6个，设置方法如下：

- 1.允许同时发言的单位数量。当触摸箭头向上的小三角时增加数字；当触摸箭头向下的小三角时减少数字；
- 2.设置和查看完成后触摸右上角的 X 图标关闭单元限数界面，返回到主界面。

### 四、摄像跟踪

在主界面上触摸“摄像跟踪”图标进入摄像跟踪开关设置界面，如下图所示；

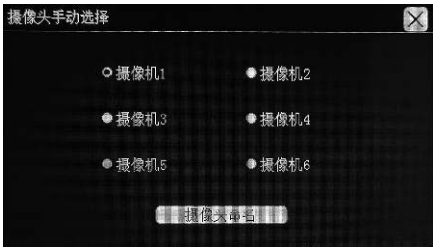


设置摄像跟踪的开关状态，方法如下：

- 1.触摸选项，若选项前面的图标如下图显示时，表示摄像跟踪开关设置为该状态。若此处设置为“摄像跟踪关”，则此次会议中摄像头定点跟踪无效，但摄像头未被关闭；
- 2.若摄像头要照取某个指定点，则可以由PC软件控制或由中控控制实现。

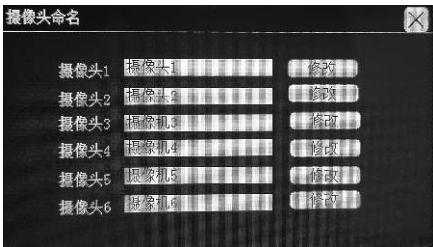
五、摄像选择

选择摄像跟踪为关闭状态。在主界面上触摸“摄像选择”图标进入摄像头手动选择界面，如图所示：



摄像功能操作，方法如下：

- 1.选择摄像头。触摸某个摄像头前面的“○”图标，使该图标显示变成黑色表示选中；本系统可以连接6个BNC摄像头和HDMI摄像头，使用时只选择其中之一进行工作。在本项操作中选择其中一个摄像头，那么其他针对摄像头的设置都以该摄像头为主。
- 2.摄像头命名。在下图所示的界面中触摸要重新命名的摄像头后面的“修改”按钮展开输入键盘；输入该摄像头的新名称，触摸确认退出键盘；完成操作后触摸右上角的X按钮退出界面，返回上一界面。




# DG-S200 有线会议系统

## 六、会议模式

在主界面上触摸“会议模式”图标进入会议模式设置界面，界面如下图所示：

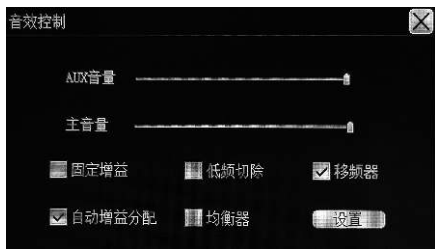


操作方法：

- 1. 选择时触碰会议需要的模式，使其前面的“○”图标显示变成黑色表示选中。
- 2. 当会议模式选择“Voice Activated”（声控）模式，触摸“声控灵敏度”按钮弹出声控灵敏度设置界面，左右推拉代表灵敏度的  图标，设置灵敏度的大小。

## 七、音效控制

在主界面上触摸“音效”图标进入音效控制操作界面，界面如下图；



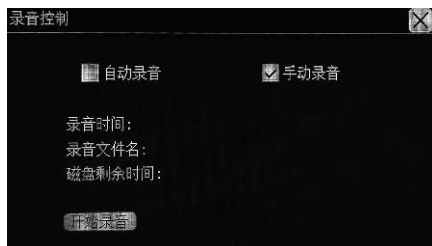
AUX音量控制、主音量控制、低频切除、移频器、均衡器、固定增益、自动增益设置操作，方法如下：

- 1. AUX音量控制：用于调节辅助音频输入的音量大小。
- 2. 主音量：调节辅助输出，告警输出以及所有单元输出的音量大小。
- 3. 固定增益：以会议单元的增益开关设置为准。
- 4. 低频切除：选择是否切除话筒中80Hz以下的低频部分；重复点击开启或关闭低频切除功能。
- 5. 移频器：选择是否使用移频器功能。移频器在一定程度上可以抑制话筒的啸叫。
- 6. 自动增益分配：选择是否使用自动增益分配功能，由系统自动调节会议话筒增益。
- 7. 均衡器：选择是否使用均衡器功能。触摸“设置”按钮进去均衡器设置界面。触摸模式按钮，调节均衡值，点击右下角“保存模式”，调节好的均衡值将被保存到“模式按钮”中。



## 八、录音操作

在会议控制主机正面板接上U盘，在主界面上触摸“录音”图标进入录音操作界面，界面如下图所示；



录音支持“自动录音”和“手动录音”两种方式。操作方案如下：

1. 自动录音：设置为自动录音时，有会议单元开始发言便自动录音，直到最后一个发言单位关闭后自动停止录音，U盘的储存容量不够也会自动停止录音。
2. 手动录音：设置为手动录音方式录音需要触摸“开始录音”和“停止录音”按钮控制录音状态。在手动录音状态下如果U盘的容量不够也会自动停止录音。
3. 录音界面上可以查看录音时间进度、录音生成的文件名和储存磁盘剩余的时间。
4. 录音文件的构成：

默认状态下录音时以录音开始时间的月\_日\_时\_分\_秒\_.wav

来生成默认文件名；当录音时间达到1小时后则会重新用当前时间创建另一个录音文件继续录音。

# DG-S200 有线会议系统

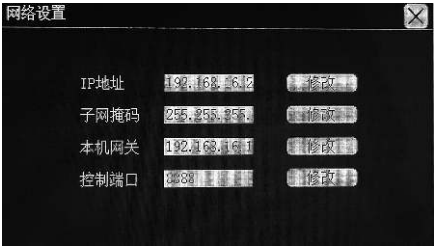
## 2.0 系统设置

在主页面上触摸“设置”图标，在出现的界面上输入密码（系统默认密码为123456，可更改）并触摸“确认”按钮进入“系统设置”操作界面，界面如下；



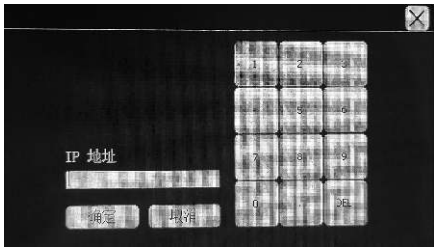
### I. 网络设置

网络设置包括本机设置“IP地址”“子网掩码”、“本机网关”及“控制端口”，如下图；



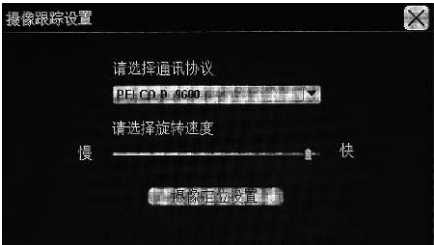
网络设置方法如下；

1. 给会议控制主机设置唯一的IP地址。触摸“IP地址”项后面的“修改”按钮，通过数字键盘输入目标IP，触摸“确认”按钮确认并退出输入界面。



II. 摄像头跟踪定位设置

触摸“系统设置”界面上的“摄像定位”图标进入摄像跟踪定位设置界面，界面如下图；



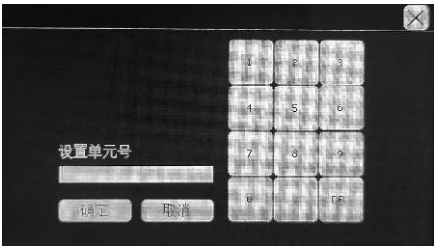
在界面可以选择摄像头的通讯协议，设置摄像头旋转速度以及进入摄像定位设置界面进行下一步操作。设置方法如下；

- 1. 选择通讯协议：会议系统的摄像头通讯协议有PELCO D-9600、PELCO P-9600、VISCA-9600三个选项。选择时触摸协议显示框后面的黑色小三角展开下拉菜单，在菜单中触摸目标选项选择即可完成操作。6个摄像头必须使用同一品牌产品。
- 2. 设置摄像头旋转速度：此处设置摄像头定位时转动的步长。设置时直接触摸滑动块的位置即可完成。
- 3. 摄像头定位设置：触摸上图界面中的“摄像定位设置”按钮进入摄像定位设置界面，界面如下图；（配图）

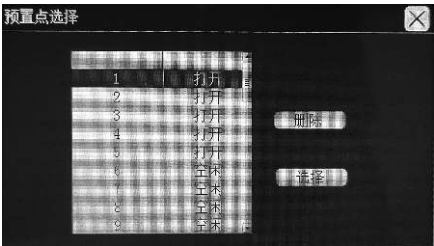


# DG-S200 有线会议系统

在该界面上可以对每个摄像头正对某些单元进行定位设置，并将设置结果保存以备日后调用。设置时，先选择摄像头（例如选择序号为1），然后在“单元序号”后面修改此次设置要定位的单元序号（此处设置的单元序号要跟定位单元的ID一致），修改时在下图所示界面中用数字输入单元序号（例如单元序号为001），再通过按钮调节摄像头对准的单元位置和焦距；



最后保存摄像头定位的信息，触摸“预置点选择”后面的“修改”按钮进入修改界面，触摸预置点（例如“1”）选中后再触摸“选择”按钮即可完成选择操作并退出选择界面。如果选中预置点后触摸“删除”按钮，则保存在该预置点上定位信息都被删除，该预置点变为空闲状态。或者没有保存定位信息的预置点也处于空闲状态。



设置完“预置点选择”之后即可触摸“存储”按钮设置好的定位信息，日后可以用“调用”按钮方便调用已保存的定位方案。每次调用的是“保存预置点”后面显示的预置点（例如其后面数字显示框中显示“2”）。

注：正在进行摄像跟踪定位设置时所有单位都不能发言。

III. 单元检测

在“系统设置”界面触摸“单元检测”图标进入单元检测操作界面。在会议开始之前需要对每个会议单元进行检测，界面如下图；



自动检测的步骤为：

- 1)触摸“自动检测”按钮，按钮以浅蓝色高亮显示为选中状态。
- 2)设置“单元检测时间”，单元检测时间只对自动检测功能有效。触摸“单元检测时间”后面的小三角调整时间。设置了时间之后，在该时间段内系统会自动检测一个单元的所有检测项，包括“话筒、LED屏、按键、LED指示灯、扬声器”，检测完一个单元后自动开始检测下一个单元。
- 3)如若要停止自动检测，请触摸“停止检测”按钮。

注：单元检测时所有的单元都不能发言。

手动检测操作步骤为：

- 1. 检测话筒。操作方法如下；
  - 1)触摸“检测话筒”按钮，触摸“开始检测”按钮开始检测话筒是否能正常开启和关闭。正在检测时该单元话筒开关按键以及指示灯亮。
  - 2)检测完选中的单元后触摸“停止检测”按钮，被检测单元指示灯熄灭。或者触摸“上一单元”或“下一单元”检测所有连接的会议单元后再停止检测。
- 2. 检测LCD屏。操作方法如下；
  - 1)触摸“检测LCD屏”按钮，触摸“开始检测”按钮开始检测单元的LCD显示屏。触摸“上一单元”和“下一单元”可以检测所有连接的会议单元。

3. 检测按键。操作方法如下；

1)触摸“检测按键”按钮，触摸“开始检测”按钮进入单元按键检测状态，然后逐个的在检测的单元上按每个功能键，看看是否能正常操作。按一次功能按键，按键对应的指示灯点亮之后可以自动熄灭表示该按键能正常工作。

2)检测完所有的按键之后触摸“停止检测”按钮停止检测，或触摸其他的检测项进行检测。

4. 检测LED指示灯。操作方法如下；

1)触摸“检测LED”按钮，触摸“开始检测”按钮进入LED检测状态，被检测单元的所有LED指示灯都闪烁。

2)触摸“停止检测”按钮停止检测，或触摸其它检测选项进行检测。

5. 检测扬声器。操作方法如下；

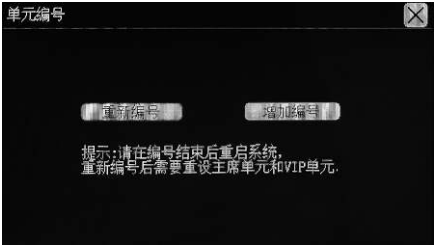
1)触摸“检测扬声器”按钮，触摸“开始检测”按钮进入单元扬声器检测状态，被检测单元的扬声器会发出“嘀嘀”声，表示该扬声器可以正常工作。

2)触摸“开始检测”按钮停止检测，或触摸其他检测项进行检测。

注：待所有检测项检测完成之后，触摸界面右上角的X图标退出检测界面。

IV. 单元编号

触摸“系统设置”界面的“单元编号”图标进入单元编号操作界面，界面如下图；

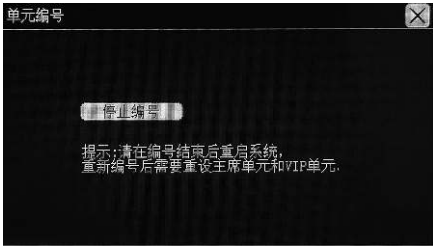


在该界面可以对已有的单元重新编号，对新增的单元进行编号操作。

# DG-S200 有线会议系统

1. 重新编号。操作方法如下；

1)在“单元编号”界面触摸“重新编号”按钮进入重新编号控制界面，界面如下图；

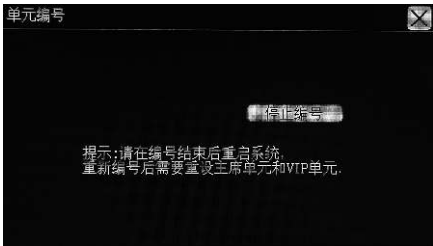


2)在上图界面中，对需要重新编号的单元在单元自身上进行ID编号设置，设置完成后再上图所示界面上触摸“停止编号”按钮退出该界面。

3)所有需要重新编号的单元都编号完成后关闭会议主机电源，并重新开机启动主机，重新编号的单元ID方可生效。

2. 增加编号。操作方法如下；

1)在“单元编号”界面触摸“增加编号”按钮进入增加编号控制界面，界面如下图；



2)点击发言键进行ID编号设置，设置完成后在上图所示界面上触摸“停止编号”按钮退出该界面。

3)所有增加的单元编号完成后关闭会议主机电源，并重新开机启动系统，新增的单元ID方可生效。

4)单元编号操作完成后触摸“单元编号”界面右上角的 X 图标退出编号界面。

提示：单元重新编号之后摄像跟踪信息和指定的主席单元将会全部删除，需要重新设置。

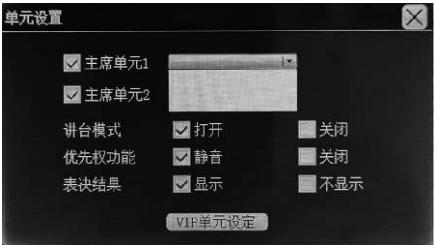
V. 单元设置

触摸“系统设置”界面的“单元设置”按钮进入单元设置操作界面，界面如下图；



1. 主席单元：DG-S200智能数字会议系统中可以同时设置2台具有主席优先权的主席单元，并且这两个主席单元可同时发言，设置步骤如下；

- 1)在“单元设置”界面触摸“主席单元”项选中，选中该选项时选项前面的 图标出现。
- 2)触摸单元编号显示框后面的小三角展开下拉菜单，在菜单中选择设为“主席单元1”或“主席单元2”的编号。
- 3)主席单元的编号在所有单元编号完成重新启动系统后，会自动识别所有的主席单元并将其ID编号显示在上述操作界面的编号选择菜单列表中。
- 4)被设置为主席单元的单元编号会显示在下图所示的界面中。



5)如果系统中一共连接了10个主席单元，这全部编号完成后这10个主席单元的编号都可以被主机识别并显示在上述列表中。



2. 讲台模式。操作方法如下；
- 1)为主席单元1和主席单元2设置讲台模式的开关状态，触摸选项即可完成设置。
- 2)
- 在此设置为讲台模式“开”，则两个主席单元一直处于打开状态，主席单元上的开关按键操作无效；若在此设置为讲台模式“关”，则主席单元上可以用开关按键操作其开关状态。
3. 优先权功能。操作方法如下；
- 1)为主席单元1和主席单元2设置优先权功能模式为“静音”或“关闭”。在界面上触摸“优先权功能”后面的选项即可完成设置。
- 2)选择了“静音”选项后在会议中主席长按优先权按键会将所有已打开的代表单元静音。已开启的代表单元被静音后话筒开关按键指示灯熄灭，主席单元和代表单元显示屏都有主席优先，具体显示和操作请参阅会议单元设置操作说明部分；不需要继续静音时主席单元长按优先权按键依照屏幕提示取消静音，恢复代表单元发言。
- 3)选择了“关闭”选项后，关闭会议中主席优先权功能。
4. 表决结果。操作方法如下；（仅对有LCD屏的单元有效）
- 1)设置主席单元1和主席单元2以外的所有单元是否显示表决结果。触摸“表决结果”后面的选项即可完成设置。
- 2)选择了“显示”选项后所有会议单元都会在LCD屏上显示表决结果；选择了“不显示”选项后除主席单元1和2以外的所有单元都不会显示表决结果。
5. VIP单元设置：在“单元设置”界面触摸“VIP单元设定”按钮进入VIP单元设置界面，界面如下图；



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DG-S200智能数字会议系统中可以设置30个单元为VIP单元，可以设定任何一种类型的单元为VIP单元，VIP单元在已开启的话筒总数不超过FREE模式下20台，其他模式下10台的情况不受会议模式限制，可以自由开启。操作方法如下；

- 1)在上图所示的界面上可以用“增加”按钮增加VIP单元，最多可设置30个VIP单元。触摸“增加按钮进入增加VIP单元操作界面，如图；在上图所示界面中用数字输入键盘输入要设置为VIP单元的ID编号，触摸“确定”按钮确认并退出该界面。
- 2)用“删除”按钮可以删除上图列表中选中的VIP单元。
- 3)用“全部删除”按钮可以删除已设置的全部VIP单元。
- 4)用“返回”按钮或触摸 图标退出VIP设置界面，返回单元设置界面。单元设置完成后触摸右上角的 图标退出单元设置界面，返回系统设置界面。

## VI. 发言定时

在“系统设置”界面触摸“发言定时”按钮进入发言定时设置界面，界面如下图；



在此界面上为发言代表设定发言限制时间，到了设定的时间发言单位会自动关闭，发言定时时间可设置范围为1~300分钟。会议系统有定时发言结束倒计时提醒功能，在此界面上可以设定提示时间，可设置时间范围为1~60秒。发言结束倒计时提示在发言单位上有显示。如果会议不需要发言定时功能，可以设置发言限制时间为“00”。

设置发言限制时间和发言结束提醒时间操作，可通过时间值后面的小三角上下调整时间值，调整为需要的时间值即可完成设置。

设置好时间后触摸右上角的X按钮退回设置界面，返回“系统设置”界面。

## VII. 铃声设置

在“系统设置”界面触摸“铃声”图标进入铃声设置界面，界面如下图；



在此界面上选择单元的话筒开关提示音，设置项有：

1. “没有铃声”表示会议单元话筒开关打开时无提示音。
2. “提示音1-提示音3”表示会议单元话筒开关打开时使用其中之一个提示铃声。

## VIII. 系统时间设置

在“系统设置”界面触摸“时间”图标进入系统时间设置界面，界面如下图；



在该界面上可以调整当前的系统时间，在此设置的系统时间会显示在主界面的上边沿位置。操作方法如下；

1. 设置时，依次触摸年、月、日、时、分、秒后面的小三角调整对应的数值进行设置。
2. 设置完成后触摸“确定”按钮保存当前设置时间，如需退出时间设置界面，则触摸“取消”按钮或者X图标退出。

## IX. 显示设置

在“系统设置”界面触摸“显示”图标进入会议主机显示屏设置界面。操作方法如下；

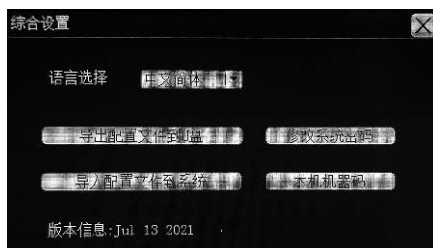
1. 背光时间设置：此项设置为会议主机的屏幕背光显示时间设定时间或状态。操作方法如下；

1) 设置了背光时间后，在该时间段如果没有对机器进行任何操作，则显示屏背光会自动熄灭，直到有操作时有再次点亮，可以起到节能的作用，也可以延长显示屏的使用寿命。

2) 背光时间设置范围为1- 240分钟。设置为”00“后，机器电源在被打开再到被关闭的时间段内屏幕背光一直点亮。触摸“背光时间”后面的小三角调整选项或屏幕点亮时间进行设置。

## X. 综合设置

在“系统设置”界面触摸“综合”图标进入综合设置操作界面，界面如下图；



在综合设置界面设置方法如下；

1. 语言选择：为系统设置显示语言。系统支持简体中文和英文两种显示语言。触摸语言显示栏后面的小三角，展开下拉菜单，然后触摸目标选项，选中后关闭设置界面，然后返回主界面。

2. 导出配置文件到U盘：本系统可以通过会议主机前面板的USB接口对系统参数进行备份和恢复。进行导出操作前请确认U盘已连接到主机USB接口，否则将会出现提示“没有找到U盘，请检查”。触摸“导出配置文件到U盘”按钮即可完成导出操作。界面会弹出对话框说明操作已成功。

3. 导入配置文件到系统：该项操作时将备份的系统参数导入到本会议主机进行系统参数恢复。进行导入操作前请确保U盘已连接到主机USB接口，否则将会出现提示“没有找到U盘，请检查”。触摸“导入配置文件到系统”按钮，并触摸弹出的对话框中的“OK”按钮拷贝配置文件到系统。拷贝完成后系统会自动重启并自动加在系统参数。

4. 修改系统密码：在“综合设置”界面触摸“修改系统密码”按钮进入修改密码界面，界面如下图；在该界面上为进入“系统设置”界面设置密码。设置时先输入旧密码，设备出厂设置的默认密码为123456，输入旧密码后触摸“确认”按钮确认后输入新密码，确认后再次输入新密码，并再次确认后新密码生效。每次进入“系统设置”界面都需要输入密码，所以设置里新密码后请牢记，以便日后使用。

5. 本机机器密码：在此处可以查看本系统出厂时设置的机器码，每台会议主机出厂时都有唯一的机器码。

## ■ 安全警示

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失，使用本产品前，请仔细阅读并遵守以下事项：

1. 使用产品时请确认所连接设备与本产品功率是否匹配以及合理调整设备音量大小，不要在超过产品功率及大音量下长时间使用，以免造成产品异常；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送经销商检修；
3. 本产品及配件都应放置在室内干燥通风处，勿长期存放在潮湿、灰尘多的环境，使用中避免靠近火源，雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔，避免损坏其功能；
4. 若产品需要固定于墙壁或天花板上时，请确保固定到位，防止因固定强度不足导致产品发生跌落危险；
5. 使用该产品时需遵守相关安全规定，法律法规明确禁止使用场合请勿使用产品，以免导致意外事故；
6. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地经销商跟进处理。

## ■ 关于图标含义解释



根据RL2004/108/EG和European Low Voltage Directive（欧洲低电压指令）RL2006/95/EG的测试结果表明，本产品符合欧共体关于电磁兼容性的成员国法律整合的指令中所规定的限值。



此符号表示，根据WEEE指令(2012/19/EU)和国家法律，由于这种类的废弃物会有潜在的有害物质，可能对环境和人类健康产生负面影响，所以本产品不应与您的家庭垃圾一起处置，应将本产品交由授权的电气和电子设备（WEEE）回收站回收。同时，您在正确处理本产品的同时将有助于自然资源的有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息，请联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。



未经合规方明确批准的变更或修改可能会使用户失去操作设备的权限。

此设备符合FCC规则第15条部分的要求。操作须符合以下两个条件：

- (1) 此设备可能不会造成有害干扰；
- (2) 此设备必须接受接收到的任何干扰，包括可能导致意外操作的干扰。

## ■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品，本说明书可能不符合您的特定产品的技术规格。要获取最新版说明书，请访问得胜官网，然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同，如有问题请与当地得胜经销商确认。如需更多支持和深层产品信息，请浏览得胜官方网站：<https://www.takstar.com/>

■ 环保说明

产品中所含有毒有害物质或元素的名称及含量

部件名称 (大体分类)	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑胶部件	○	○	○	○	○	○
五金部件	×	○	○	○	○	○
电路板组件	×	○	○	○	○	○
线缆	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。  
○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572规定的限量要求以下。  
×: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572规定的限量要求。

此标志为产品的环保使用期限标志，  
且此标保使用期限只适用于产品正常工作的温度和湿度等条件。



注意事项：

- 1. 本单为保修凭证，请用户妥善保管，如有遗失，恕不保修或退换。
- 2. 保修期限制：购买之日起十二个月内。
- 3. 除了不可抗力事件损坏外，由本公司负责，免费维修。
- 4. 如属保管不善或使用不当造成的损坏，维修点将酌情收费。
- 5. 擅自拆卸维修者，不予保修。
- 6. 以上保修条款仅限于中国市场适用（不含港澳台地区）。

产品服务保证书

姓名：\_\_\_\_\_ 电话：\_\_\_\_\_ 地址：\_\_\_\_\_  
商品：\_\_\_\_\_ 型号：\_\_\_\_\_ 购买日期：\_\_\_\_\_ 年 \_\_\_\_\_ 月 \_\_\_\_\_ 日

维修记录栏（由维修员填写）	维修员签名	日期

◆广东得胜电子有限公司 ◆电话：400-6828-333 ◆地址：广东省惠州市博罗县龙溪街道富康一路2号

# DG-S200 Wired Conference System

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## ■ Preface

Dear Customer,

Thank you for purchasing Takstar DG-S200 Wired Conference System. In order to better understand and use the product, please read this manual carefully. If you have any questions or suggestions, please contact our local dealer.

## ■ Features

### **Wired Conference System Control Unit:**

- Connect up to 128 mic units on one control unit, expandable to 4096 mic units in one system via additional extension control units.
- 8-pin aviation male connector, daisy chain connection, plus discrete gain selector on mic units.
- Max active mic limit (1/2/3/4/5/6), voting, speech permission and other data manage functions.
- Up to 30 configurable VIP units which can speak freely in any meeting mode as long as total active mic is less than 20.
- Five meeting modes supported: FIFO (First-in-First-Out), Normal, Voice Activated, Free, Request.
- In-built DSP (Digital Signal Processor) for low cut, frequency shift and EQ functions.
- Meeting recording function, automatically or manually controlled. Speak duration and speak ending notice.
- Camera tracking system integrated on control unit, with 6 HDMI HD and 6 BNC SD video inputs, with auto tracking function.
- RJ45 port supports TCP/IP network protocol for network system control via PC software.

### **Wired Conference System Discussion Unit:**

- Conference discussion unit with voting functions.
- Sound collection tube for long pickup distance at 20-80cm.
- Precise cardioid pattern effectively reduces picking up surrounding noise.
- Adjustable gain, flexible and adaptive to different occasions
- Max elevation angle of 50°; locking mechanism at the base joint for precise and secure angle adjustment.
- Volume-adjustable 3.5mm interface for connecting monitoring headphones.
- Power switch and 5 voting buttons (Start/Agree/Abstain/Veto/Stop), plus check-in function.
- Chairman unit can obtain Priority, enter Podium Mode, or grant speak requests by delegate units (configurable on control unit)
- Clear LCD display, red ring status LED, intuitive status overview.
- Passive, powered by system control unit at output voltage of 24V.

# DG-S200 Wired Conference System

## Applications

Conference rooms for enterprises, institutions, government agencies

## Specifications

### Wired Conference System Control Unit

- AUX Input Voltage: 250(±20) mV
- Alarm Input Voltage: 250(±20) mV
- Max Input Voltage: 4(±0.2) V
- AUX Output Voltage: 1(±0.1) V
- BALANCE OUT Voltage: 10(±5) mV
- Frequency Response: 40Hz-20kHz(±3dB)
- THD + Noise: <1%
- Operating Voltage: 100-240V AC 50/60Hz
- Static Power Consumption: < 15W
- Max Power Consumption: 350W

### Wired Conference System Discussion Unit

- Sensitivity: -38dB/Pa
- Frequency Response: 50Hz-12kHz(±3dB)
- THD + Noise: <1%
- Headphone Output: 35mW, 32Ω, 3.5mm
- Operating Voltage: DC 24V from control unit
- Static Power Consumption: < 1W
- Max Power Consumption: 2W

Note: The above data is measured by Takstar laboratory.

### DG-S200 Control Unit

Control Unit	1 pc
Control Cable	1 pc
XLR Audio Cable	1 pc
8-Conductor Extension Cable (13m)	1 pc
Power Cord	1 pc
User Manual	1 pc
Software CD	1 pc

### DG-S200A1 Chairman Unit

DG-S200A1	1 pc
Main Cable 2m/Branch Line 1.5m	1 pc

### DG-S200A2 Delegate Unit

DG-S200A2	1 pc
Main Cable 2m/Branch Line 1.5m	1 pc



# DG-S200 Wired Conference System

## ■ Function Descriptions

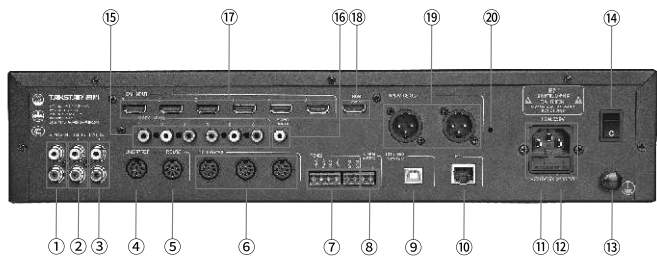
### DG-S200 Control Unit

#### Front Panel



- ① Power Indicator: lights up or turns off when power is on/off respectively.
- ② USB Port: connect a USB drive for recording.
- ③ LCD Touch Screen: displays all function icons and settings; for touch screen control.

#### Rear Panel

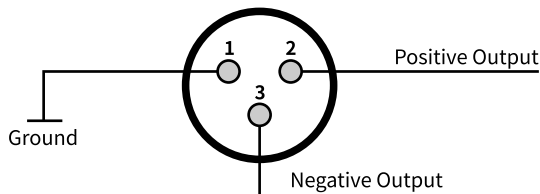


- ① ALARM IN: alarm audio input; connects to the fire alarm signal from the fire department, triggered by alarm signal.
- ② LINE IN: line audio input; receives audio signal from connected audio source device or mixer.
- ③ LINE OUT: audio mixed output; connects to a power amplifier, outputs line audio signal, alarm signal and mic signal.
- ④ INTERPRET: interpreter unit interface.
- ⑤ ROUTE: extension control unit interface; connects to an extension control unit, transmits audio and communication signals.
- ⑥ DELEGATES 1-3: 3 mic unit interfaces; connects up to 128 mic units in total.

# DG-S200 Wired Conference System

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- ⑦ RS422: camera control interface; used to connect camera control signals; camera control cables are connected between cameras in daisy chain style.
- ⑧ ALARM ACTIVE: fire alarm trigger interface; when the +5V voltage alarm is triggered, all mic units will be muted and display “ALARM ACTIVE” on their LCD screens. When the +5V voltage is disconnected, the system will automatically resume to pre-alarm state.
- ⑨ CONTROL SYSTEM: central control interface; connects to the intelligent central control system, for achieving central meeting control functions in remote infrared conference system.
- ⑩ Ethernet Interface: the conference system can be remotely controlled via TCP/PC protocol, or via a tablet when connected to a Wi-Fi network.
- ⑪ Power Fuse Holder: F2AL250V power fuse holder. When the fuse is blown, replace it with a fuse of the same specification; when it blows continuously, it indicates a malfunction of the equipment, please resolve the malfunction before replacing the fuse. See "Fuse Replacement Method" section of this manual for details.
- ⑫ Power Input Interface: AC220V/50Hz/350W.
- ⑬ Grounding Connector: used to connect the control unit to the earth, preventing electrocution or equipment damage due to electricity leakage or statics.
- ⑭ Power Switch: turn the power on or off.
- ⑮ VIDEO INPUT: 6 SD camera connection ports, connect to camera via coaxial cable. Note: One interface connects to one camera, and the six cameras connected to this device must be of the same brand.
- ⑯ VIDEO OUTPUT: connects to video equipment such as a projector to output the video content from the camera to a large screen.
- ⑰ HDMI INPUT: 6 HD camera connection ports, connect to camera via coaxial cable.  
Note: One interface connects to one camera, and the six cameras connected to this device must be of the same brand.
- ⑱ HDMI OUTPUT: connects to video equipment such as a projector to output the video content from the camera to a large screen.
- ⑲ BALANCE OUT: parallel to LINE OUT (audio mixed output), a balanced output socket. The signals of the three pins are as follows:

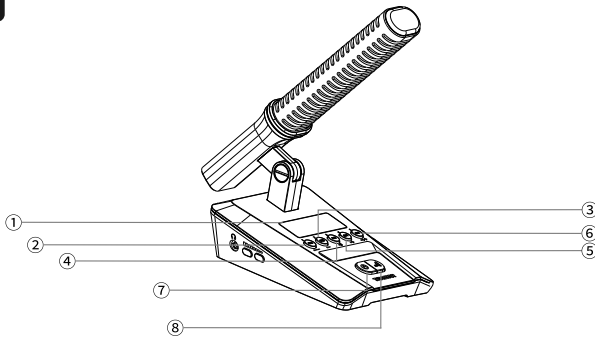


- ⑳ Pinhole Reset Button: restore to factory settings by depressing the button located at the base of this hole using a pin.

# DG-S200 Wired Conference System

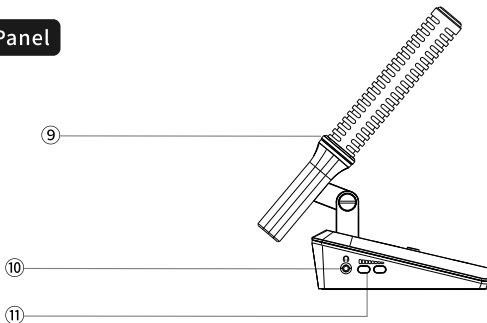
## DG-S200A1 Chairman Unit

### Front Panel



- ① LCD display: displays the current unit ID, operating status, voting results and operating signals.
- ② Start button: works with PC software for voting; press to start session.
- ③ Agree button: works with PC software for voting; press to vote as Agree.
- ④ Abstain button: works with PC software for voting; press to vote as Abstain.
- ⑤ Veto button: works with PC software for voting; press to vote as Veto.
- ⑥ Stop button: works with PC software for voting; press to stop session.
- ⑦ Chairman Priority button: press and hold for 2 seconds to enable/disable chairman speech priority. If enabled, short press to mute/unmute other speaking units.
- ⑧ Microphone On/Off button: press to turn on/off the mic.

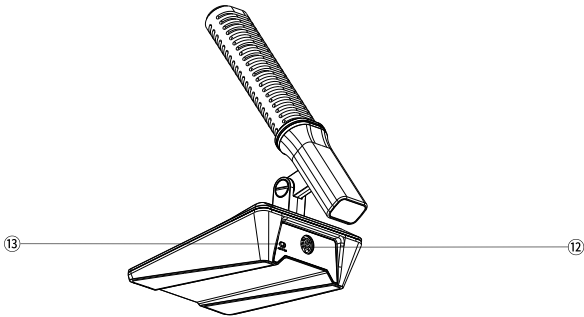
### Side Panel



- ⑨ Signal Indicator: lights up when the mic is turned on.
- ⑩ Headphone Jack: 3.5mm jack for connecting to a headphone.
- ⑪ Volume Control buttons: adjusts the headphone volume level.

# DG-S200 Wired Conference System

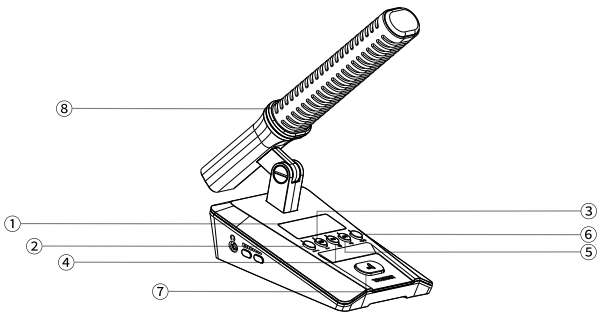
## Rear Panel



- 12 Microphone Interface: connects to remote video conferencing system via audio cable.
- 13 Gain Switch: turn off gain adjustment by toggling it to "0"; boost pickup sensitivity for long-distance use by toggling it to "+10dB"; lower pickup sensitivity for close-range use by toggling it to "+10dB". Adjust according to different use cases.

## DG-S200A2 Delegate Unit

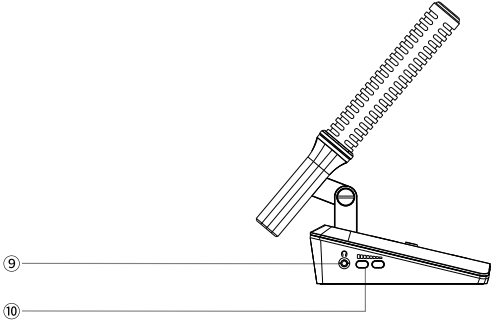
### Front Panel



- 1 LCD display: displays the current unit ID, operating status, voting results and operating signals.
- 2 Start button: works with PC software for voting; press to start session.
- 3 Agree button: works with PC software for voting; press to vote as Agree.
- 4 Abstain button: works with PC software for voting; press to vote as Abstain.
- 5 Veto button: works with PC software for voting; press to vote as Veto.
- 6 Stop button: works with PC software for voting; press to stop session.
- 7 Microphone On/Off button: press to turn on/off the mic.
- 8 Signal Indicator: lights up when the mic is turned on.

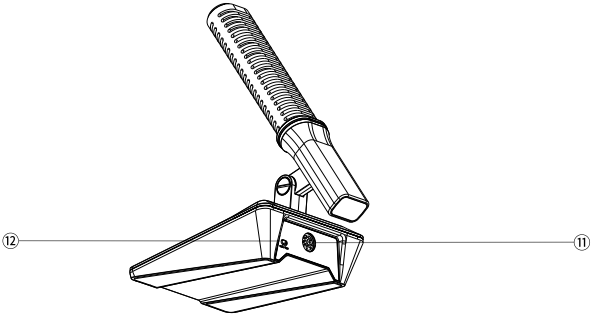
# DG-S200 Wired Conference System

## Side Panel



- ⑨ Headphone Jack: 3.5mm jack for connecting to a headphone.
- ⑩ Volume Control buttons: adjusts the headphone volume level.

## Rear Panel



- ⑪ Microphone Interface: connects to remote video conferencing system via audio cable.
- ⑫ Gain Switch: turn off gain adjustment by toggling it to "0"; boost pickup sensitivity for long-distance use by toggling it to "+10dB"; lower pickup sensitivity for close-range use by toggling it to "-10dB". Adjust according to different use cases.

# DG-S200 Wired Conference System

## Part I: Conference System Connection Instructions

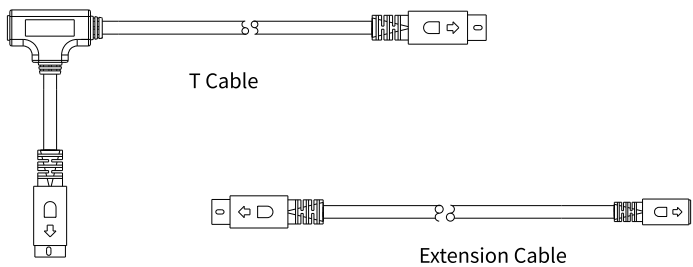
DG-S200 wired conference system is a daisy-chain conference system with discussion, voting and camera tracking functions. It includes a control unit and mic units, and is easy to set up and install. Note: for brevity purpose, all the on-screen buttons/icons hereafter are written in square brackets, e.g., [Unit Quantity], [Modify].

### I. Overall System Connection

The basic cables needed to connect the system are 8-conductor cables, network cables, audio cables, coaxial cables for connecting the camera (Male BNC to Male RCA) and data cables. There are two types of 8-conductor cables, i.e., the T-shape cable (2m\*1.5m) and the extension cable (13m), in which,

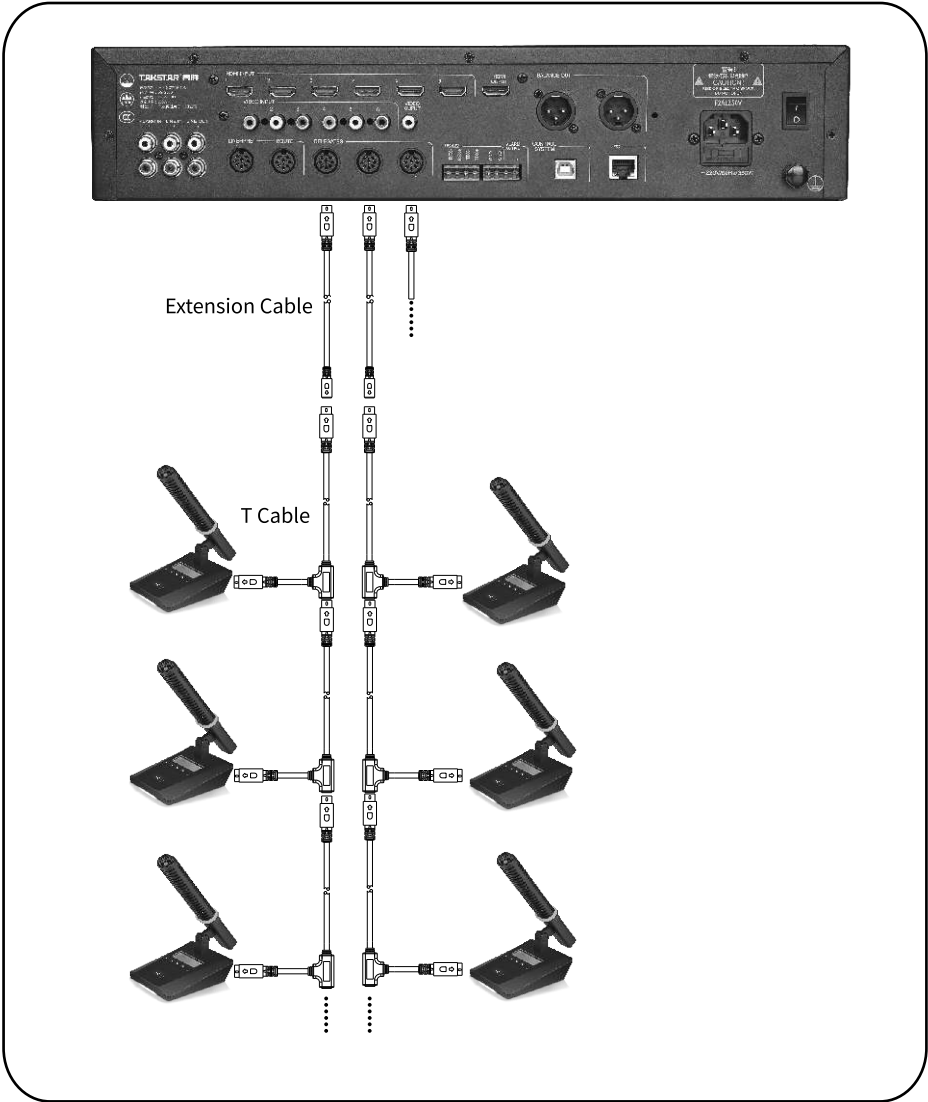
1. T-cable is used with the mic units.
2. Extension cable is used with the control unit.

As shown below:



# DG-S200 Wired Conference System

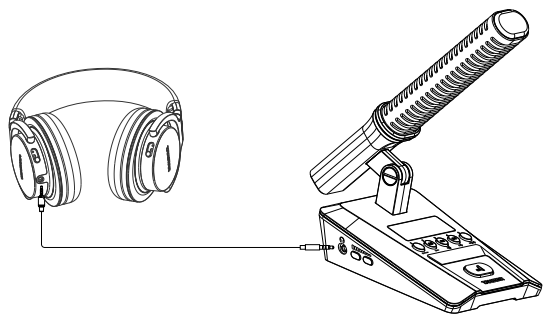
Connect the male-end of extension cable with the output port of control unit, and its female-end to the male-end of T-cable, then another male-end of T-cable with the female receptacle of mic unit. To connect 128 units across three channels, follow below diagram:



# DG-S200 Wired Conference System

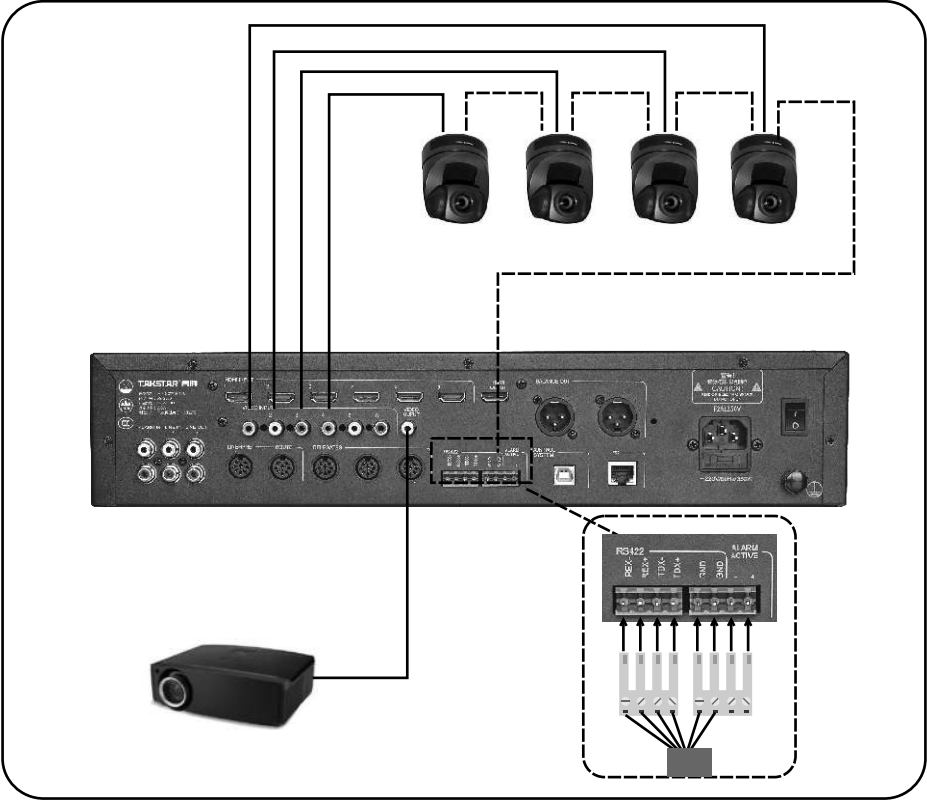
## II. Headphone Connection

The 3.5mm headphone jack on the side of the mic unit can be used to connect to an external headphone, the volume of which can be adjusted via the headphone volume control, as shown below:



## III. Camera Video Connection

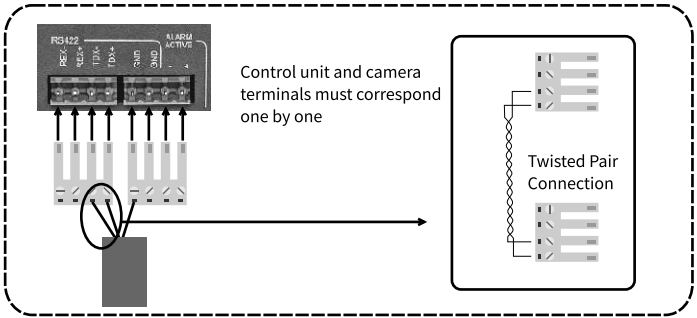
1. The camera control signals are connected in ways of daisy chain, as shown below:



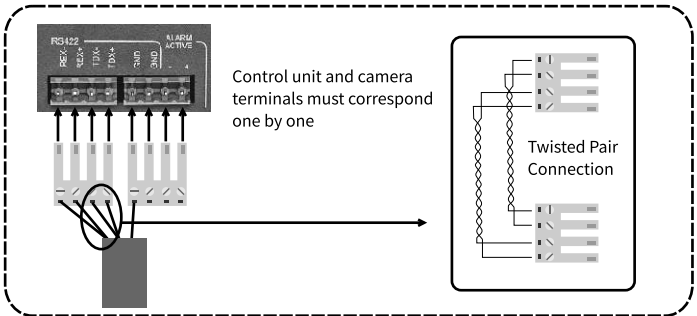


# DG-S200 Wired Conference System

2. As shown above, it is recommended to use twisted pair cabling for the camera control cable, where one of the twisted pairs connects to the TXD+ and TXD- interfaces and another connects to the RXD+ and RXD- interfaces. The two GND interfaces are connected in parallel, so only one of them should be connected. There are two ways to make the plug for the RS422 interface:
- 1)Where the signal needs to be transmitted one-way (write only), as follows:



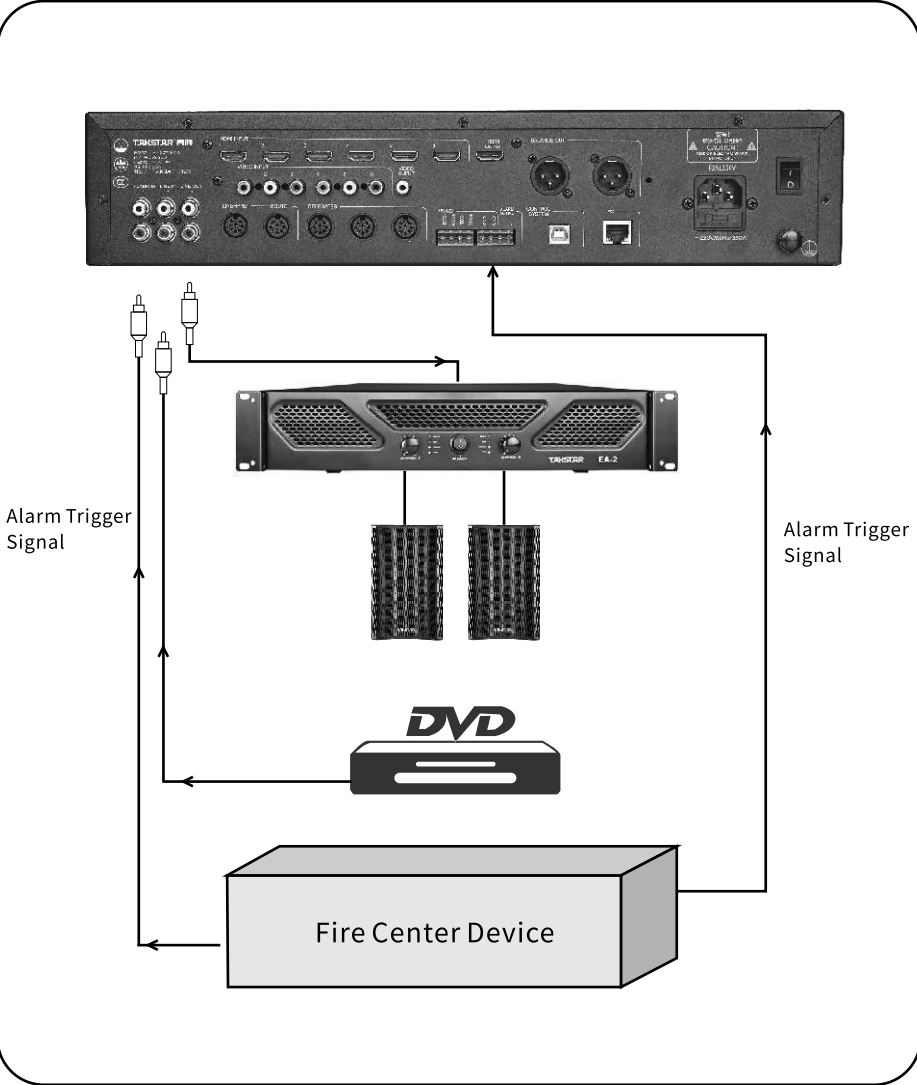
- 2)Where the signal needs to be transmitted both-ways (read & write), as follows:



# DG-S200 Wired Conference System

## IV. ALARM IN / LINE IN / LINE OUT Connection

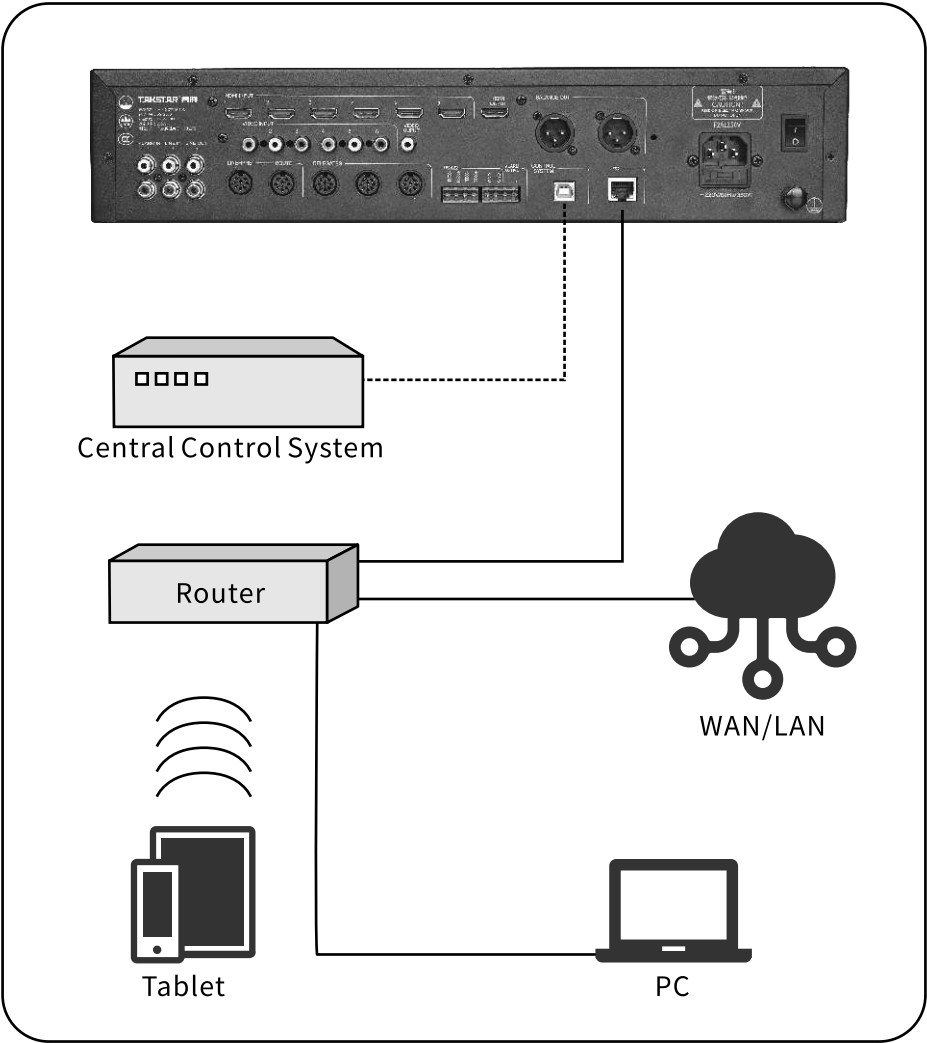
The alarm input connects to the fire center, the line input connects to a peripheral audio device, and the line output connects to an amplifier that can amplify the alarm audio, auxiliary audio and speech signal for output. These connections use audio cables with RCA connectors at both ends.



# DG-S200 Wired Conference System

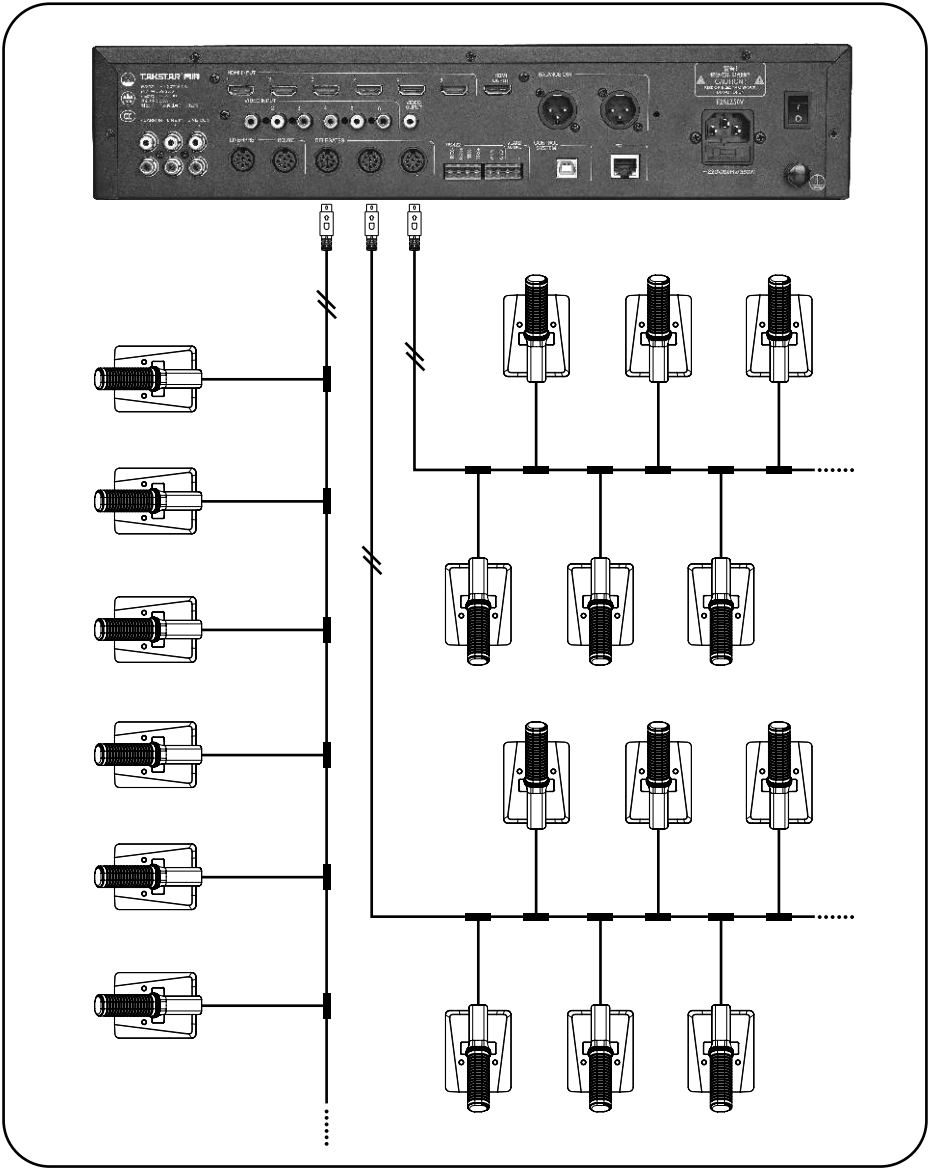
## V. Central Control and Network Connection

The conference system can be connected to the central control system to achieve centralized control, and can also be controlled remotely by PC via TCP/IP protocol. Remote control can be achieved on Windows system on PC or tablet, as long as the conference system, PC and tablet are in the same network.



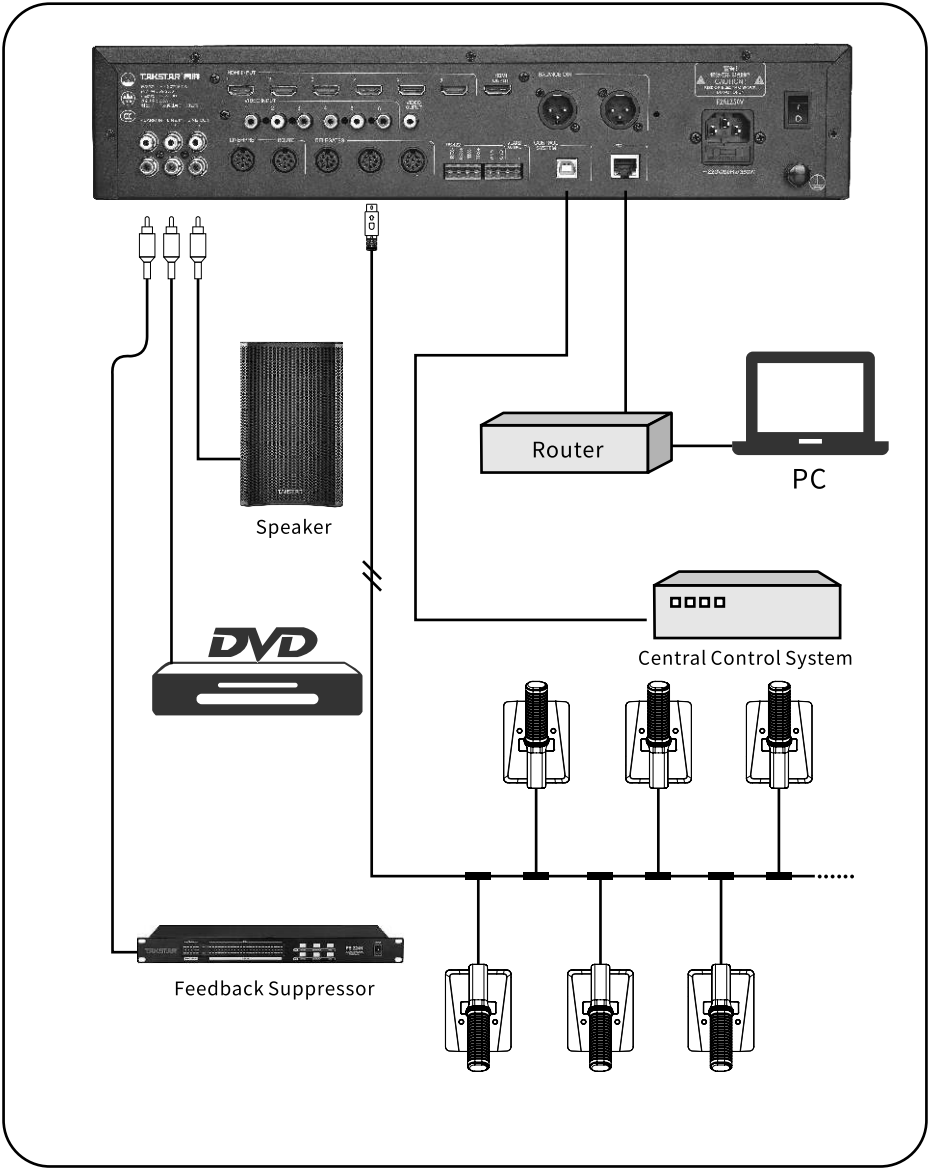
# DG-S200 Wired Conference System

## VI. Mic Units and Control Unit Connection Diagram



# DG-S200 Wired Conference System

## VII. System Typical Application Topology Diagram



## Part II: User's Operating Manual

### 1.0 Setup Instructions

After everything is installed and connected, set up all the functions on the control unit before starting the meeting.

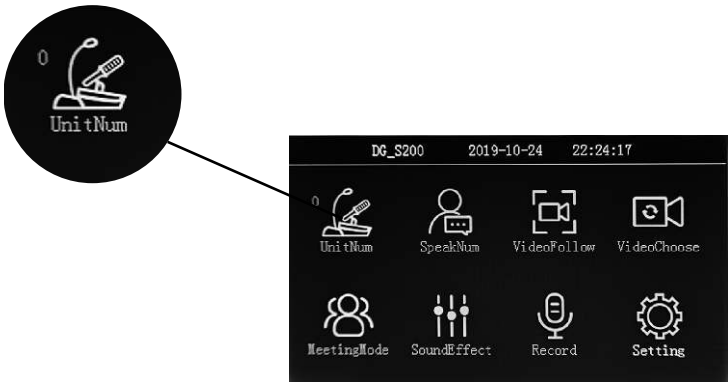
#### I. Booting Up

Turn on the Power Switch to boot up the device and enter the home screen (bootup screen). Tap the operation icon on the screen to enter respective settings.



#### II. View UnitNum

On home screen, you can directly see how many units are connected to the system (including chairman units and delegate units) by viewing the [UnitNum] icon.



# DG-S200 Wired Conference System

### III. Set SpeakNum

This setting defines the maximum speaking units allowed at the same time and is effective in all modes other than Free mode. On home screen, tap SpeakNum icon to view the following settings: Speak Number shows the number of currently speaking units; Apply Number shows the number of units requesting to speak; Allow Speak Number sets the number of concurrent speaking units allowed.

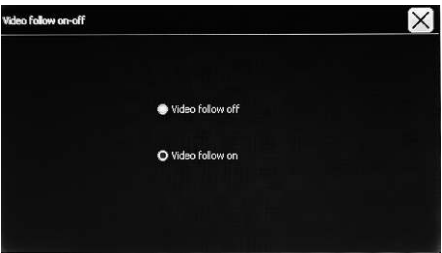


The maximum value for Allow Speak Number is 6, and can be set as follows:

1. Allow Speak Number: Tap the upward triangle to increase the value, or tap the downward triangle to decrease.
2. Once finished, tap X on the upper right corner to close the current menu and return to home screen.

### IV. Video Follow

On home screen, tap [VideoFollow] to enter the tracking on/off setting.



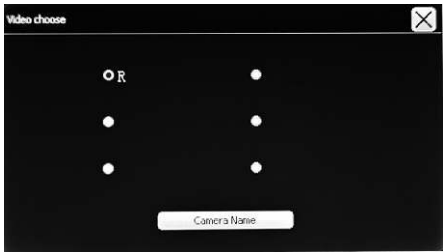
Set tracking on/off status as follows:

1. Tap the checkbox before the desired status to select and set which status to be active. When tracking is set to OFF, camera tracking will not be active in this meeting, but the cameras will not be turned off.
2. To capture a certain spot with the camera, use the PC software or the central control to configure.

# DG-S200 Wired Conference System

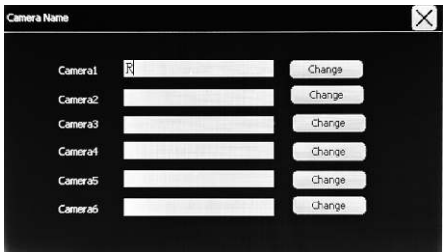
## V. Video Choose

Select camera tracking as off. Tap [VideoChoose] on home screen to enter the camera manual selection interface.



### Operation:

1. Select camera: tap [O] afront the camera you want to select. The system can connect 6 BNC cameras and 6 HDMI cameras but only uses one group of them at one time. Select any one of the cameras, and any subsequent camera setting modifications will be applied to this selected camera
2. Rename camera: tap after any one of the cameras, input the new name through on-screen keypad, then tap [Change] to rename. Tap X on the upper right corner to exit to previous screen.

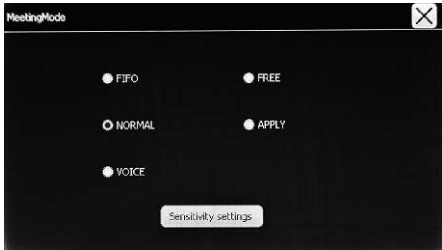




# DG-S200 Wired Conference System

## VI. Meeting Mode

On home screen, tap [MeetingMode] to enter the meeting mode setting.

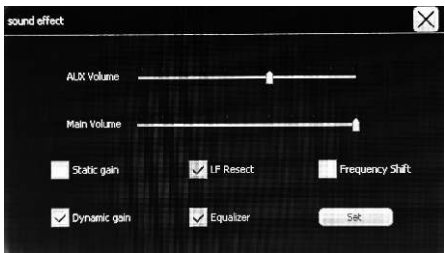


Operation:

1. Tap the checkbox before the desired meeting mode to make selection, the ○ icon becomes dark.
2. If Voice mode is selected, tap [Sensitivity settings] to drag and adjust the voice activation sensitivity.

## VII. Sound Effect

On home screen, tap [SoundEffect] to enter the audio effects settings.



Operations:

1. AUX Volume: for adjusting AUX audio input volume.
2. Main Volume: for adjusting the overall output volume including AUX output, Alarm output and all mic units.
3. Static gain: based on the gain setting on mic unit.
4. LF Reset: for cutting away low frequency below 80Hz from mic; check/uncheck to enable/disable.
5. Frequency Shift: check/uncheck to enable/disable frequency shifter. This can alleviate mic feedback to certain extent.
6. Dynamic gain: enable/disable automatic gain control for mic units.
7. Equalizer: check/uncheck to enable/disable equalizer. Tap [Set] to enter EQ settings. Tap which mode to use, adjust its equalization, and tap [Save] to store the settings.

# DG-S200 Wired Conference System

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## VIII. Record

First, insert a USB flash drive on the front panel of the control unit. Then, on home screen, tap [Record] to enter the recording screen.



Auto record and manual record are supported. Operations:

1. Auto: recording automatically starts when a mic unit becomes active, until the last active mic is closed. Auto Record will also stop if the USB flash drive runs out of space.
2. Manipulating: control the recording manually by tapping [Start REC] or [Stop REC]. Under Manual Record mode, the recording will also stop if the USB flash drive runs out of space.
3. The recording screen shows Record Time, REC File, and Disk Residus Time.
4. REC File Structure:

By default, recording file is named according to the record start time

Month\_Day\_Hour\_Minute\_Second\_.wav. Once the recording reaches 1 hour duration, a new recording file will be created based on the new time stamp.

# DG-S200 Wired Conference System

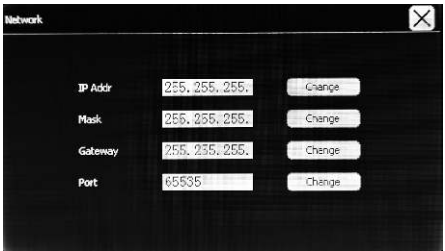
## 2.0 System Settings

On home screen, tap [Setting] icon, input device password (default password is: 123456; configurable) and tap [Confirm] to enter System Settings interface.



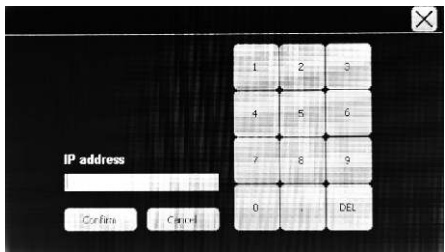
### I. Network Settings

Network setting includes IP address, mask address, default gateway, and control port.



Network setup:

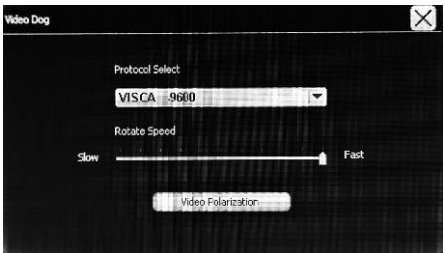
1. Give the control unit a unique IP Address. Tap the IP Address textbox to input the new IP address, and tap [Confirm] to modify then exit input screen.



# DG-S200 Wired Conference System

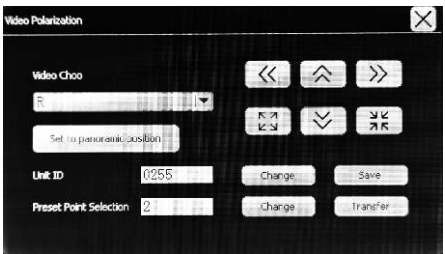
## II. Video Dog

On System Settings screen, tap [VideoDog] to enter positioning settings.



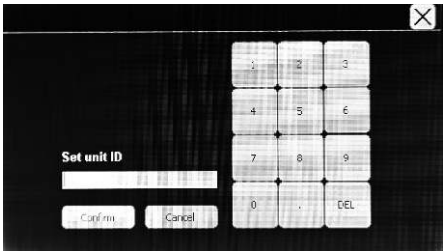
Here you can select the communication protocol for cameras, set camera Rotation Speed, or configure Camera Positioning details. Setup method:

1. Protocol Select: three options available for camera protocol, which are PELCO D-9600, PELCO P-9600, VISCA-9600. Tap the triangle icon after the communication protocol textbox and select from the drop-down menu. The 6 cameras used must be of the same brand.
2. Rotate Speed: for setting the rotation speed for camera positioning. Drag the  $\Delta$  slider to adjust speed.
3. Video Polarization: tap [Video Polarization] to enter positioning details.

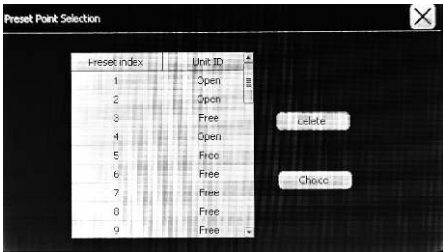


# DG-S200 Wired Conference System

In this interface, you can set the positioning of each camera towards certain mic units and save the settings for later recall. First, select a camera (e.g., camera ID 1), then modify Unit ID (this Unit ID is same as the ID of the unit to be positioned towards), input the ID using the below keypad (e.g., Unit ID 0001), and use the adjustment buttons to point the camera towards the unit location and adjust focal length.



Next, tap [Change] after Preset Point to enter editing screen, tap Preset Point (e.g., “1” ) and [choice] to select and exit. Tap [delete] after selecting the preset point will erase all positioning details on the preset point and make it idle. Or if no positioning details are saved, the preset point is also idle.



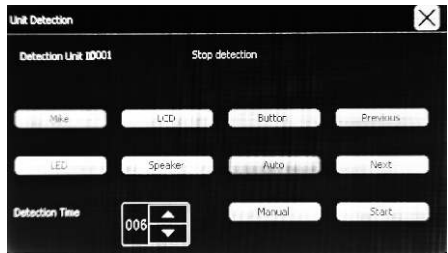
After selecting the Preset Point, tap [Save] to save the settings for future [Transfer]. Transfer function calls up the settings of the displayed Preset Point value (e.g., “2” ).

Note: All units cannot speak while camera tracking and positioning settings are being modified.

# DG-S200 Wired Conference System

## III. Unit Detection

On System Settings screen, tap [Detection] to enter mic unit testing screen. Each mic unit should be tested before meeting starts.



Auto test steps:

- 1) Tap [Auto] and the button is highlighted in light blue as selected.
- 2) Set Detection Time, which is only valid for auto test function. Tap the triangle after the Detection Time to adjust duration. After setting the time, the system will automatically test all the test items of a unit for the specified duration, including microphone, LED screen, button, LED indicator, speaker, and automatically start testing the next unit one after another.
- 3) To stop auto testing, please tap [Stop detection].

Note: All units cannot speak during unit testing.

Manual test steps:

### 1. Test Mic Operations:

- 1) Tap [Mike] -> [Start] to test if the mic can turn on/off normally. While tested, the mic power button and indicators are lit.
- 2) Tap [Stop detection] after testing the selected unit, and the indicator of the tested unit turns off. Or tap [Previous] or [Next] to test all connected mic units.

### 2. Test LCD Operations:

- 1) Tap [LCD] -> [Start] to test the unit's LCD display. Tap [Previous] or [Next] to detect all connected mic units.

# DG-S200 Wired Conference System

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### 3. Test Buttons Operations:

1) Tap [Button] -> [Start] to start button testing on the unit, then click each function button on the unit to see if it works as intended. Press any function button once, and the indicator light corresponding to the button will light up and then go out automatically to indicate that the button works normally.

2) Tap [Stop detection] after all buttons are testing, or tap other item for further testing.

### 4. Test LED Operations:

1) Tap [LED] -> [Start] to start LED testing on the unit, all LED indicators on the tested unit should light up.

2) Tap [Stop detection] to stop, or tap other item for further testing.

### 5. Test Speaker Operations:

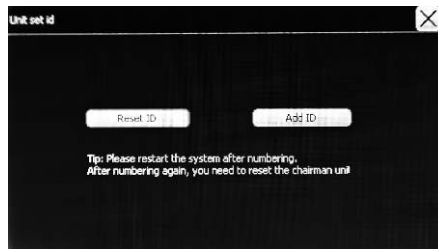
1) Tap [Speaker] -> [Start], the speaker of the tested unit should start beeping if working normally.

2) Tap [Stop detection] to stop, or tap other item for further testing.

Note: When all tests are complete, tap the icon Q in the upper right corner of the screen to exit the test screen.

## IV. Unit ID

On System Settings screen, tap [UnitID] to enter the following screen:

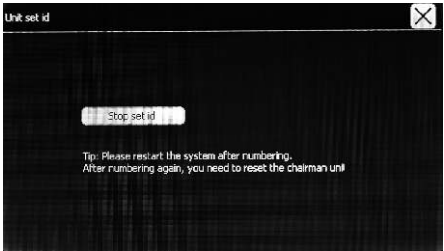


Here you can re-number existing units or number newly added units.

# DG-S200 Wired Conference System

## 1. Reset ID Operations:

1) Tap [Reset ID] to enter the following renumbering screen:

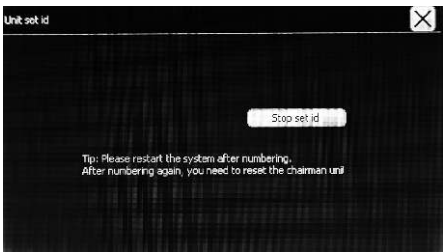


2) In the above screen, set a new ID number on the unit to renumber it, and then tap [Stop set id] to exit the screen after the settings are complete.

3) After renumbering, the control unit must be powered off and rebooted before the re-numbered unit IDs become effective.

## 2. Add ID Operations:

1) Tap [Add ID] to enter the following addition screen:



2) Set a new number on the newly added unit, and then tap [Stop set id] to exit the screen after the settings are complete.

3) After adding new IDs, the control unit must be powered off and rebooted before the newly added unit IDs become effective.

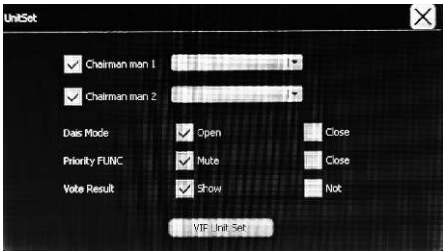
4) After all numbering is completed, tap Q on the upper right corner to exit numbering screen.

Note: after re-numbering, the camera tracking information and the assigned chairman unit will all be deleted and need to be re-configure.



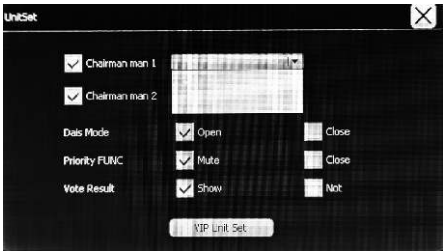
V. Unit Settings

On System Settings screen, tap [UnitSet] to enter the following screen:



1. Chairman Unit: DG-S200 intelligent digital conference system supports chairman priority on 2 chairman units, meaning they can speak at the same time. Setting steps are:

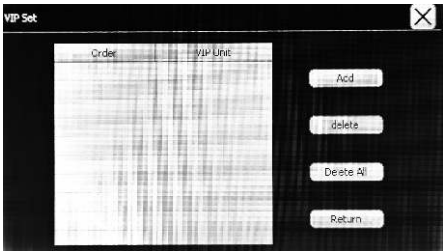
- 1)Tap to check the box before chairman unit, and it becomes selected.
- 2)Tap the small triangle behind the unit number display box to expand the drop-down menu and select which unit ID to set as chairman unit 1 or chairman unit 2.
- 3)After all units are numbered and the system is restarted, the menu will automatically display all chairman unit IDs.
- 4)The chairman unit ID is displayed in the screen shown below.



5)If a total of 10 chairman units are connected to the system, all 10 chairman unit IDs can be recognized by the control unit and displayed in the above list after numbering is completed.

# DG-S200 Wired Conference System

2. Dais Mode Operations:
- 1)Tap the checkbox to enable/disable podium mode for both chairman units 1&2.
  - 2)Set to Open: both chairman units 1&2 are turned on all the time, and the power button on the chairman units are nullified. Set to Close: the chairman units can be turned on/off by the on-board power button.
3. Priority Function Operations:
- 1)Tap the checkbox to enable/disable mute priority for both chairman units 1&2.
  - 2)Set to Mute: the chairman unit can mute all mics that are turned on during the meeting by long pressing the priority button. When muted this way, the mic power button indicators on delegate units are turned off, the LCD screen of both chairman units and delegate units shows “Chairman Priority” . To unmute, press and hold the priority button again to cancel muting and resume delegate unit speech function.
  - 3)Set to Close: disable chairman priority function during meeting.
4. Vote Results Operations (valid only for units with LCD screen)
- 1)Set whether or not the voting results are displayed for all units other than Chairman Units 1&2. Tap the checkbox to set.
  - 2)Set to Show: all mic units will display the voting results on their LCD screen. Set to Not: all units except chairman units 1&2 will not display the voting results.
5. On System Settings screen, tap VIP Unit Set icon to enter the following screen:



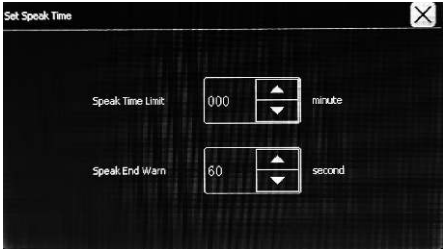
# DG-S200 Wired Conference System

DG-S200 intelligent digital conference system can set up any type of mic units as VIP units, accommodating up to 30 VIP units in one system. VIP units are not restricted by meeting mode and can be turned on freely when the total number of active mics does not exceed 20 units in FREE mode or 10 units in other modes. Operations:

- 1) Tap [Add] to add up to 30 VIP units. Tap [Add] to enter VIP unit edit screen as shown above, use the numeric keyboard to input the ID number of the unit to be set as VIP, tap [Confirm] to confirm and exit the screen.
- 2) Tap [Delete] to delete the selected VIP unit in the list.
- 3) Tap [Delete all] to delete all the configured VIP units.
- 4) Tap [Return] or X to exit VIP settings back to Unit Settings screen. Once finished, tap X on the upper right corner to exit Unit Settings and return to home screen.

## VI. Speak Time

On System Settings screen, tap [SpeakTime] to enter speak duration settings.



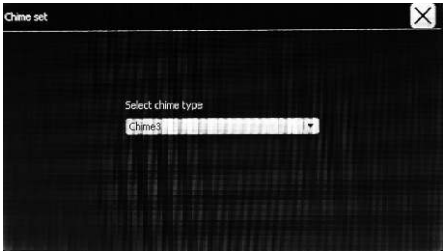
Here you can set the Speak Time Limit which controls when the speaking unit should be automatically closed after reaching the duration limit, ranging from 1~300 minutes. The system also has a countdown prompt on how long before the speaking ends, ranging from 1~60 seconds. Speak End Warn shows the countdown on the speaking unit. If speak duration is not limited, set Max Speak Time to "00" .

Adjust the value for Speak Time Limit and Speak End Warn by tapping the triangle behind them. Once finished, tap on the upper right corner to return to System Settings.

# DG-S200 Wired Conference System

## VII. Chime Setting

On System Settings screen, tap [Chime] to enter chime setting.

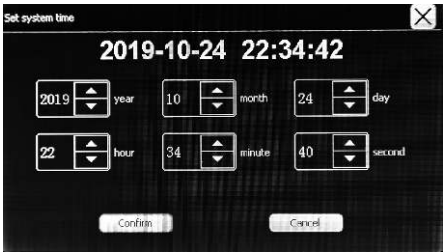


Select the unit's microphone on/off tone on this screen, the options are:

- 1. No Chime: there is no ringtone when the mic unit mic is turned on.
- 2. Chime 1/2/3: there is ringtone prompt 1/2/3 when the mic unit mic is turned on.

## VIII. System Time

On System Settings screen, tap [Time] to enter system time setting.



Adjust the current system time on this screen. The system time is displayed on the upper edge on home screen. Operations:

- 1. Tap the gray triangle behind the Year, Month, Day, Hour, Minute and Second to adjust the corresponding value.
- 2. Once finished, tap [Confirm] to save current setting. To exit time setting, tap [Cancel] or X.

# DG-S200 Wired Conference System

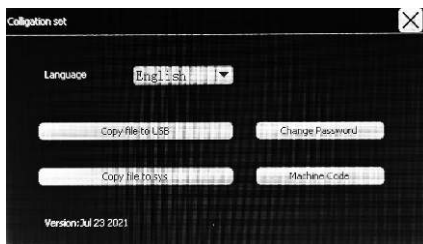
## IX. Display Settings

On System Settings screen, tap [Display] to enter control unit display settings. Operations:

1. Backlight: This setting sets the time for screenoff time of the control unit. Operations:  
1) By setting the backlight time, the screen will automatically turn off if the device is inactive longer than the configured duration, until it becomes active again. This can help to preserve energy and extend service life of the display.  
2) Backlight duration can be 1-240 minutes. Set to “00” : the device screen stays on as long as the device power is on. Tap the triangle after Backlight to adjust screenoff time.

## X. General Settings

On System Settings screen, tap [Colligate] to enter general settings.



Setup method:

1. Language: set the display language for the system. The system supports Simplified Chinese and English. Tap the triangle after the language bar, select target language from the drop-down menu, then close the setting interface back to home screen.
2. Copy file to USB: the system can utilize the USB port on the front panel for backup or restoration of system parameters. Before exporting, please check that the USB flash drive is connected to the USB on the control unit, otherwise system will prompt “USB drive not found. Please check.” Tap [Copy file to USB] to export. A dialog box will pop up to indicate successful export.
3. Copy file to sys: this operation will restore the backup parameters onto the control unit. Before importing, please check that the USB flash drive is connected to the USB on the control unit, otherwise system will prompt “USB drive not found. Please check.” Tap [Copy file to sys], then tap [Confirm] on the pop-up dialog to copy the config file to local system. Once finished, the system will automatically restart and apply the new parameters.
4. Change Password: tap [Change Password] on General Settings screen to change. First, input the old password which by factory default is “123456” . Tap [Confirm] after entering the old password and then enter the new password, [Confirm] and enter the new password again, reconfirm to change. Password is required every time you enter System Settings interface, so please remember the new password after setting it for future use.
5. Machine Code: here you can view the local device password which is unique to each conference control unit when shipping out the factory.

# DG-S200 Wired Conference System

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## ■ Safety Instructions

To avoid electric shock, overheating, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high-volume level for extended time to avoid product malfunction or hearing impairment.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local dealer for repair.
3. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local dealer.

## ■ Label Meanings



This device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage Directive RL2006/95/EG.



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

## DG-S200 Wired Conference System

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Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### ■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local dealer. For the latest version/more information, please visit our website: <https://www.takstar.com/>



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## **广东省电声工程技术研究中心 广东得胜电子有限公司制造**

地址：广东省惠州市博罗县龙溪街道富康一路2号

服务热线：400 6828 333 传真：0752 6383950

邮箱：xs@takstar.com

网址：www.takstar.com

Guangdong Takstar Electronic Co., Ltd.

Address: No. 2 Fu Kang Yi Rd., Longxi Boluo

Huizhou, Guangdong 516121 China

Tel: 86 752 6383644 Fax: 86 752 6383952

Email: sales@takstar.com

Website: www.takstar.com