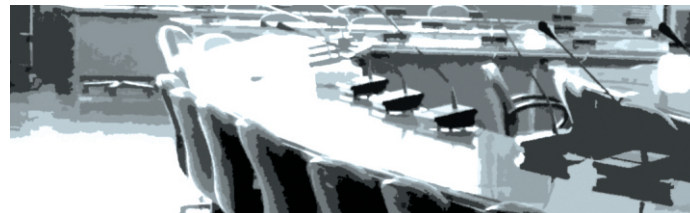





 **Relacart**®

CS-101
conferencing
discussion system



 100% recycled paper
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Operating Instructions

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01 Safety Operation and Notice

Introduction

Thank you for choosing Relacart' s conferencing Discussion System.
Please carefully follow the instructions in this manual to ensure durable,
trouble-free use of your equipment.

- 1、 Please read instructions for safety operation carefully before installation and operation .
- 2、 Please keep this manual.
- 3、 Do not scratch、 bend、 twist 、 stretch or heat the power cord, otherwise the power cord may be damaged and a fire or electroshock could happen.
- 4、 Do not open the case, otherwise it could lead to electroshock. For maintenance or repair, please contact our local agent.
- 5、 Do not touch the plug with wet hand, otherwise a fire or electroshock could happen.
- 6、 If power cord is damaged (such as cut off or the core is bare),please contact agent to get the replacement. Continue using damaged power cord may lead to fire or electroshock.
- 7、 Please cut off power , pull out the power plug and all connection cables before moving the device, otherwise it may damage the cables and lead to fire or electroshock.
- 8、 Please cut off power , pull out the power plug and all connection cables before cleaning the device. Please use dry and soft cloth to clean the device.
- 9、 If the device is not used for a long time, please cut off the power, it is better to pull out the power plug.
- 10、 All Relacart products will be afforded one year free maintenance except for man-made damage, such as:
 - the device is damaged by man-made factors.
 - the device is damaged by improper operation.
 - some components are damaged or loss after the self-disassembly.

02 General Description

Relacart CS-101M Central Controller is control the whole system of CS-101 Conferencing Discussion System. Include the function of choosing the Mode, connecting the level output and line-level input. Control for up to 60 speaking units. With automatic gain input, FBK,FIFO and Voice-active mode. Can connect the external loudspeaker to voice amplification. Can set in a ELA Standard 1 U rack directly. Enclose 10m cable with auxiliary audio signal input function , can connect the other equipments conveniently.

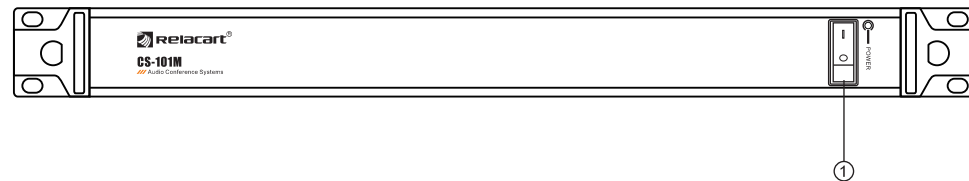
Features:

- Gooseneck design can adjust the direction on the basis of your need, easy installation. Gooseneck microphone's light indicates the status of speaking unit.
- With automatic gain audio processing circuit, prevent the feedback effectively and improve the clarity of the whole system.
- Use hand in hand cable connection can connect the microphone easily. The project and cost in the installation of the whole system will lessen.
- Control for up to 60 speaking units.
- CS-101C Chairman unit can use the Priority button to control the speaking order, controlling atmosphere of the meeting
- Active 1/3/6 microphones in a time and with FIFO function. Voice mode: Voice to open the microphone, up to active 4 microphone units simultaneous.
- With recording output to connect the recorder, all the meetings recording can save completely. And also can connect the external amplification equipment.
- Can connect VTS-1000 video tracking system, to achieve video conference.
- Connect the telephone coupler can be applied to the remote telephone conference directly.

03 System Functional Overview of CS-101

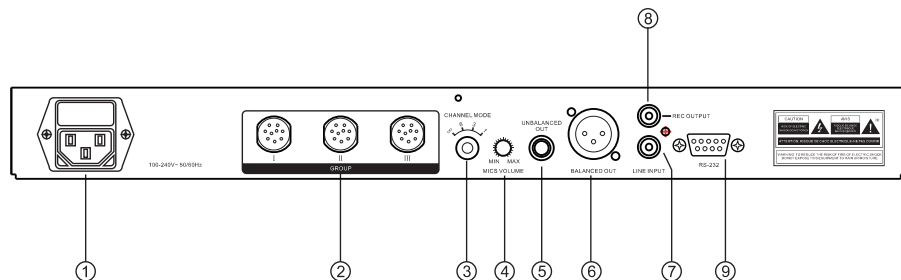
CS-101M Central Unit

Front Panel



① Power Indicator

back Panel



- ① Power Input: Standard IEC socket, can accommodate 110V/240V 50/60Hz AC power.
- ② Three Inputs of Microphone: Each channel can connect up to 20 microphone units.
- ③ Function Key of Mode Selection: FIFO mode, can active 1/3/6 microphone units in a time. When speaking microphone over the limit number of speakers who spoke first will be override. Voice mode: Voice-activated microphones can active up to 4 microphone units simultaneous. When speaking microphone over the limit number of speakers who spoke first will be override.
- ④ Knob of Volume Adjustment: Can control the volume level of the audio output.
- ⑤ Balance audio output jack: 6.3mm jack can use standard balance audio cable connect the balance input of mixer or amplifier.
- ⑥ Balance audio output jack: XLR jack can use two-cord shielded cable connect the mixer.
- ⑦ RCA audio line-level input port: Connect MP3/DVD external auxiliary audio signal input
- ⑧ RCA audio line-level input port: Connect mixer or recorder.
- ⑨ RS-232 port: Connect VTS-1000 video tracking system and external control system.

3.2 CS-101C Chairman Unit

Diagram from Top

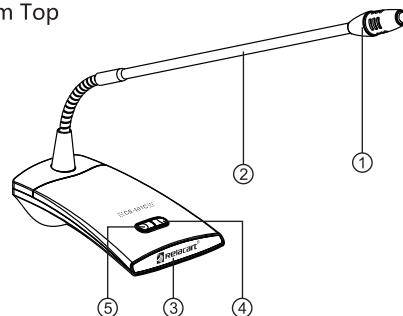
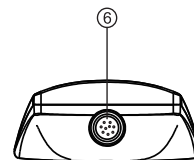


Diagram of Button



- ① Power Indicator: When the microphone unit opens the light is on.
- ② Microphone: Gooseneck design can move the cartridge in any area flexibility.
- ③ Microphone works indicate: When the microphone unit connects the Main controller and the power on, the Relacart Logo light is on.
- ④ Talk key: When microphone unit haven't speak, the spoken key is green. When you press the spoken button, the microphone is turned on and the microphone in-use indicator remains lit, the spoken key is red.
- ⑤ Priority spoken key: When microphone unit is turned off, Priority spoken key is red. When microphone unit is turned on, Priority spoken key is green. The microphone turns on and the microphone in-use indicator remains lit as long as the key is held down. Allowing the voice input from the unit to take precedence over other units. During this interval, other delegate units cannot be used.
- ⑥ Connection port of microphone: for communication between the main controller and the microphone.

04 Connection Diagram

3.3 CS-101D Delegate unit

Diagram from Top

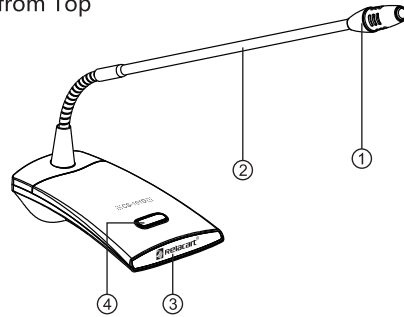
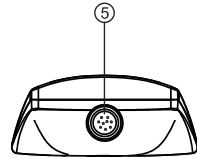
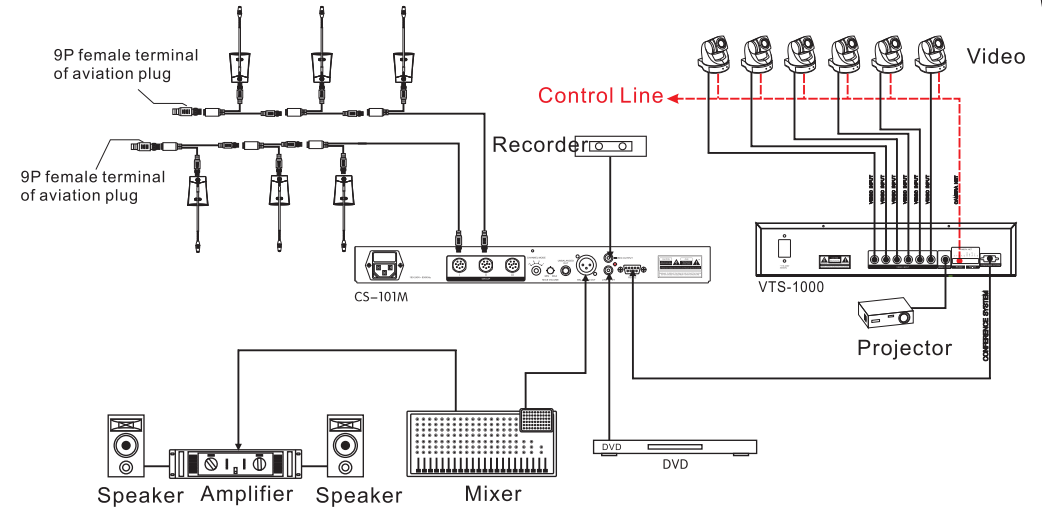


Diagram of Button

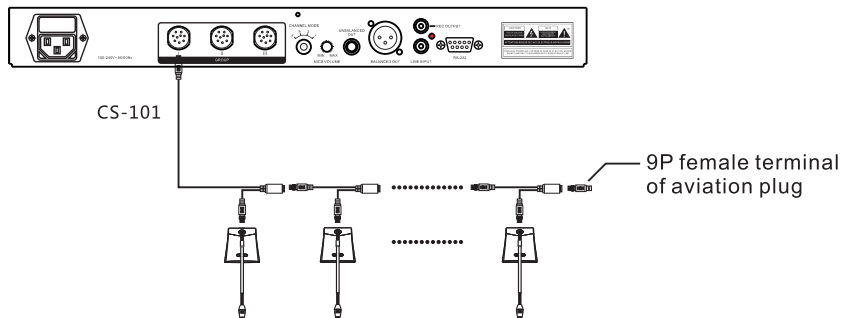


- ① Power Indicator: When the microphone unit opens the light is on.
- ② Microphone: Gooseneck design can move the cartridge in any area flexibility.
- ③ Microphone works indicate: When the microphone unit connects the Main controller and the power on, the Relacart Logo light is on.
- ④ Talk key: When you press this key the microphone spoken light is on and the microphone in-use indicator remains lit, the microphone is opened. Press this button again, the microphone spoken light and the microphone in-use indicator are off, the microphone is off.
- ⑤ Connection port of microphone: for communication between the main controller and the microphone.



05 Technical Specifications

CS-101 Conference System Microphone Instructions



Note: The CS - 101 conference system of the host connected to the microphone all finished, Please in CS - 101 system is connected to a last phone line connected to the expansion of 9P female terminal of aviation plug. Otherwise it may cause the system of individual microphone caused by no communication and working indicator light flashing.

CS-101M Central Controller

Main frame size : EIA standard 1U
Power : AC100-240V 50/60HZ
Current Consumption : 45W
Frequency response : 65Hz-15KHz
S/N : >85dB
T.H.D : <0.7%
Audio output : XLR : -10dBV
6.3mm : -15dBV
RCA : 0dBV
Interface : 9 P aviation plug x 3 / RS-232 x 1 / RCA x 2
Dimension : 410mm (W) x 43mm(H) x 206mm(D)
Weight : About 2.3kg

CS-101C Chairman Unit/CS-101D Delegate Unit

Power : DC12V(Power by central controller)
Current Consumption : 1W
Frequency response : 65Hz-18KHz
Interface : Anti-drop 9Paviation plug
Cartridge type : Cardioid condenser
T.H.D : <0.7%
Sensitivity : -20dBV/Pa
Dimension for base (mm) : 105 (W) x 43(H) x 150(D)
Weight(g) : About 780