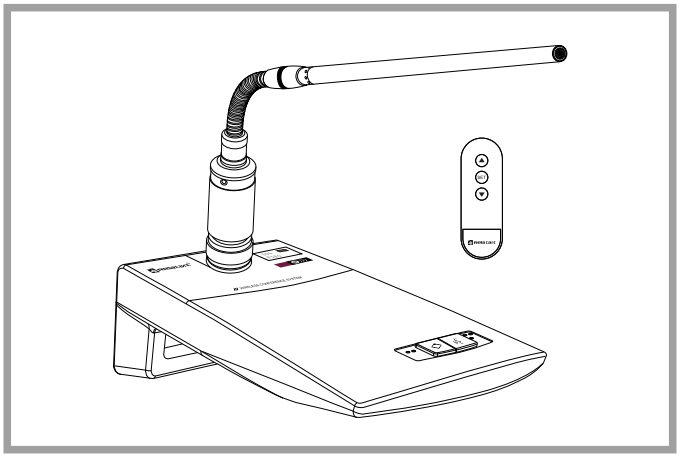
WDC-903C/D

PROFESSIONAL GOOSENECK MICROPHONE



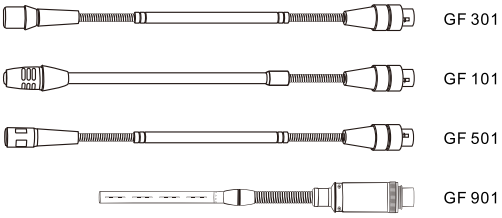
01 Features

- The wireless microphone unit is powered by a detachable lithium battery, which can be charged using the WDC-903 special charging case, or directly using the USB interface of the conference unit.
- The microphone unit can be set to manual or automatic power-on mode.
- When fully charged, it can work continuously for 23 hours (speaking state) or 48 hours (standby state). In standby and hibernation mode (the Auto switch is turned on), it can continue to work for 90 days.
- Bright OLED display which can simultaneously display battery capacity, speaking mode, time limit, etc.
- Strong anti interference of cell phone.
- With working indicator.
- Use high-quality condenser capsule to achieve high-quality sound pickup.
- Wireless conference technology can easily install a temporary system, neat and clean, without any impact on the installation site.

02 Specification

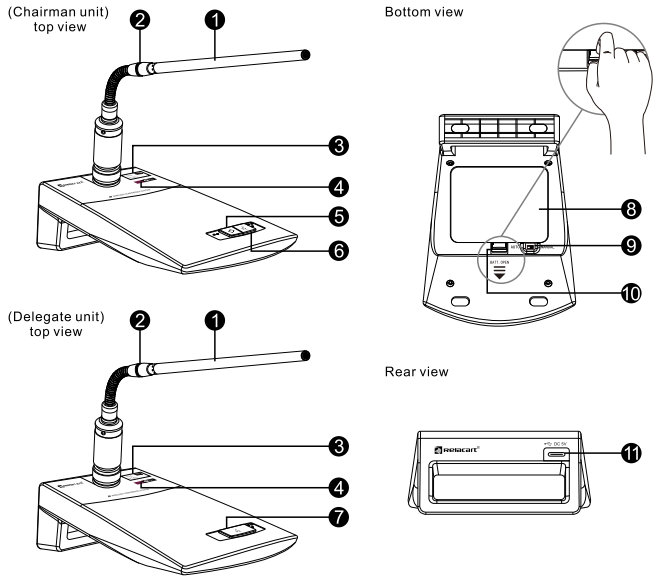
Carrier frequency band: 521.25MHz ~ 936.85MHz
Oscillation mode: PLL frequency synthesis technology
Harmonic radiation: 45dBm below the main wave
Band width: 134MHz
Maximum offset: ± 45KHz
Input socket: three-pin XLR male socket
RF output power: 30mW
Power supply: Li-ion polymer rechargeable battery, 3.7V / 2900mA
Current consumption: 120mA (typical)　60mA (standby mute)
Working time: 23 hours (typical)　48 hours (standby mute)
Size(mm): 162mm (L) x 125 (W) x 54 (H)
Weight: About 910g

03 Optional gooseneck microphone



❶ Locked three-pin balanced Cannon female microphone, can firmly lock the conference microphone base to prevent loosening or various failures caused by poor contact.
❷ With LED indicator, you can know the working status of the microphone through the LED indicator.
❸ RFI shielding technology can suppress external radio frequency interference effectively.
❹ Different model and lengths are available.

04 Microphone unit function introduction



❶ Super cardioid directional: High-quality condenser microphone provides clear and full sound quality, high sensitivity, and good long-distance pickup effect.
❷ Working status indicator: The light is off when muted, the light is on when speaking, the light flashes when waiting for the application, and it will flash when the battery is dead.
❸ OLED display: Display the working status of the microphone, including conference mode, speaking status, battery indication, ID address, speaking channel light information.
❹ Infrared [iR] window: For adjusting the volume of a single conference unit, as shown in the frequency synchronization diagram of P16 (Figure 1) .
❺ Chairman unit priority key: The chairman unit can turn off the delegate unit to speak or refuse to speak on behalf of a new delegate unit in application mode through the “priority speech key”.
❻ Chairman unit speech button:
  a. Long press for 1 second to turn on the conference unit, and long press for 3 seconds to turn off the conference unit.
  b. Short press this button to enter speaking state (green) or mute state (red).
  c. In the power-on state, press and hold for 3 seconds to enter the “ID pairing” state.
❼ Speech key of the delegate unit:
  a. Press and hold for 1 second to turn on the conference unit, and press and hold for 3 seconds to turn off the conference unit.
  b. Short press this button to enter speaking state (green) or mute state (red).
  c. In the power-on state, press and hold for 3 seconds to enter the “ID pairing” state.

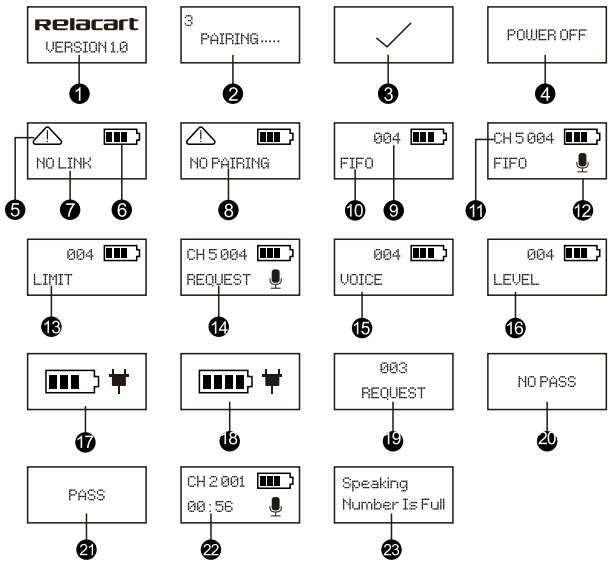
(❺❻❼ Buttons with braille logo: Braille text, which is convenient for people who have congenital defects or damage to the eyes to make them invisible.)

❽ Removable lithium battery box: It provides power for the microphone unit, rated capacity 2900mAH, rated voltage: 3.7V.
❾ Manual/Automatic switch:
  a. When the switch is to “AUTO”, the microphone u turned nit is switched to the automatic power-on mode. When the microphone unit is turned off, as long as it receives the power-on signal from the main controller, the microphone unit will automatically power on.
  b. When the switch is turned to “MANUAL”, the microphone unit is switched to the manual power-on mode. The microphone unit cannot receive the power-on signal transmitted by the main controller, and the microphone unit needs to be turned on manually.

Note: In the case of shutting down and removing the battery box, when you switch the switch from “MANUAL” to “AUTO”, you need to manually turn on the microphone unit once and then turn it off before the microphone unit can start the automatic power-on mode.

❿ Battery compartment sliding switch.
(Note: Toggle the battery compartment switch in the direction of the arrow indicated by the battery to install or remove the battery.)
⓫ TYPE-C charging port: It can charge the lithium battery of the microphone unit, the charging rated voltage is 5V, and the charging rated current is 800mAH.

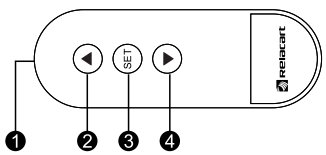
05 Microphone unit display overview



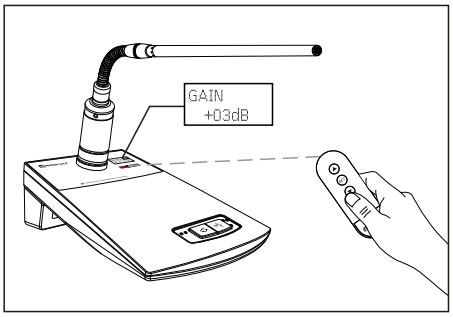
1. RELACART Logo and software version information.
2. ID pairing interface, indicating that the microphone unit is performing ID pairing operation with the main controller.
3. Display interface after ID pairing is successful.
4. Shutdown display interface.
5. Indicates that the microphone unit and the main controller key have not established communication or have malfunctioned.
6. Battery level display.
7. “OFF LINK” indicates that the microphone unit and the main controller key have not established communication.
8. “NO PAIRING” indicates that the microphone unit has not yet been ID-pairing with the main controller.
9. Microphone unit ID.
10. “FIFO” stands for FIFO mode.
11. Indicates that the microphone unit occupies the main controller’s RF channel.
12. Indicates that the microphone is speaking.
13. “LIMIT” stands for time-limited speaking mode.
14. “REQUEST” means request to speak mode.
15. “VOICE” means voice activation mode.
16. “LEVEL” the volume of each conference unit can be adjusted individually through the remote control.
17. Indicates that the battery is charging.
18. The battery is fully charged.
19. When the delegate unit requests to speak, the interface displayed by the chairman unit will flash “REQUEST” and “003” . The delegate unit ID of the application.
20. In the application mode, the chairman unit does not apply to speak through the delegate unit.
21. In the application mode, the chairman unit requests to speak through the delegate unit.
22. In the time limit mode, the time limit displayed when the delegate unit speaks.
23. Indicates that the speaking unit has exceeded the maximum number of speakers.

06 Remote Control

Use the remote control to set and adjust the microphone volume



1. Infrared frequency window.
2. “▲” Button: Gain volume (3-12dB adjustable).
3. “SET” Setting button: Enter the volume setting or confirm.
4. “▼” Button: Attenuation volume (3-12dB adjustable).



(Figure 1)

As shown in the picture on the left, aim the remote control at the binding window of the conference unit, press the “SET” button on the remote control to enter the volume setting, and use the “ ▲ ” “ ▼ ” buttons to set the volume gain or attenuation of the conference unit, achieving consistent volume for each conference unit.

Note: 1. The control distance between the remote control and the conference unit is within 3 meters.
2. After entering the volume setting, it will automatically exit in 3 seconds.
3. When setting the volume, do not put multiple conference units together.

07 Safety Operation and Notice

- Please read instructions for safety operation carefully before installation and operation. Please save your safety operation guide for future reference.
- Do not scratch, bend, twist, stretch or heat the power cord as this may cause damage to the power cord, resulting in a fire or electric shock.
- Do not open the device shell, otherwise it may cause electric shock. If you need to repair, maintain or repair, please contact your local agent.
- Do not touch the power plug with wet hands as this may cause a fire or electric shock.
- Do not attempt to modify this device. Failure to do so may result in personal injury or product malfunction.
- Do not use this equipment near water.
- If the power cord is damaged (such as a broken wire or bare core), obtain replacement parts from your dealer. Continued use of the equipment with a damaged power cord may result in fire or electric shock.
- To move the device he power, unplug the power cord, and unplug all connecting cables as this may damage the cable, resulting in a fire or electric shock.
- Before cleaning the device, unplug the power cord and unplug all connecting cables. Please clean it with a dry soft cloth.
- If the device is not in use for a long time, turn off the power, it is best to unplug the socket
- With the power plug and appliance coupler as the disconnecting device, it should be kept easy to operate.
- For the safe use of the equipment and adequate ventilation, the minimum clearance around the equipment should be maintained at a distance of 5 cm or more.
- DO NOT cover the Ventilation holes, such as: newspaper / fabric / curtains and other items.
- Equipment should not be placed on a bare flame source, such as: lit candles.
- Battery should not be exposed to sunshine, roasted or other high temperature overheating environment.
- Do not throw the waste battery, please put in the designated bins.
- Water protection rating: IPX0
- The device can be used normally in tropical / temperate climates.
- This product is only suitable for safe use at the altitude of 2000m and below.
- This symbol “ ϟ ” indicates that dangerous voltage constituting a risk of electric shock is present within this unit.
- 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.