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## GWD910 Waterproof Wireless Microphone System GWD-910T & GWD-910R Owner's Manual

### Wireless Microphone General Specification

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*THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE CONDITION THAT THIS DEVICE DOES NOT CAUSE HARMFUL INTERFERENCE. ( FCC ID : QS6-GWD910T & QS6-GWD910R )*

Modulation Mode:	Bi-Directional DSS (Digital Spread Spectrum)
Frequency:	902 ~ 925MHz
Handset RF Power Output	21.69dBm / GWD-910T
Base Station RF Power Output	20.14dBm / GWD-910R
Operating Range:	1000 ft.(300M)
Battery:	3.7V Rechargeable Li-Ion battery (Handset) 5V DC (Base Station)
Air Time:	9~10 hours of continuous operation
Standby Time:	4 days
Microphone:	Internal microphone without lavalier
Channels:	8 Channels with Automatic Synchronization

- This GWD910 is protected against water splashes and dust.
- GWD910 Wireless Microphone will automatically turns ON and shut OFF when recording is activated or deactivated through In-Car Video System.
- GWD910 Wireless Microphone is also able to trigger IN-CAR VIDEO SYSTEM to activate digital video recording.
- Any GWD910 Wireless Microphone will work with any IN-CAR VIDEO SYSTEM that is equipped with GWD910 receivers. - Automatic Synchronization
- Build-in Programmable Function Button, Panic Button & Mute Button
- LED indicators are used for status on mute, ON/OFF, signal, battery and panic functions.
- GWD910 will automatically detect radio frequency noises, channel conflicts and cross talks with as many as 20 units in close proximity, and perform auto switch to ensure clear communication and recording.



## Hardware Overview

Wireless Microphone  
GWD910T (-2400T)



Wireless Microphone Receiver  
GWD910R (-2400R)

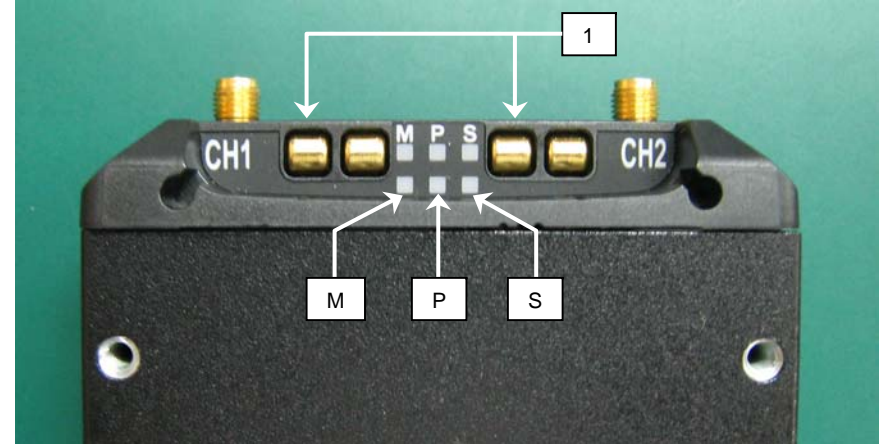


Charger, AC Wall Charger Cable & DC In-Car Charger Cable



## System Overview

Wireless Microphone Receiver



- 1** Receiver's Register Contact (CH1)  
The register contact is used to synchronize the frequency of the receiver and the wireless microphone.
- M** Green LED  
Green LED OFF for Microphone on Standby Mode  
Green LED ON for Microphone on Recording Mode
- P** Red LED  
Red LED OFF for Panic Mode OFF  
Red LED ON for Panic Mode ON  
Red LED Blinking for Wireless Microphone Low Battery
- S** Yellow LED  
Yellow LED OFF for Strong Signal  
Yellow LED ON for Signal is Marginal or Weak



## System Overview

### Wireless Microphone Receiver SCMIC-PKC/GWD910R



#### Installation

No installation is required from the user. The GWD910 wireless microphone receiver is located in the touch screen monitor module of the IN-CAR VIDEO SYSTEM.

#### Power Connection

The wireless microphone receiver has no ON / OFF switch. The receiver will become energized in standby mode whenever the IN-CAR VIDEO SYSTEM is ON.

#### Receiver's Antennas

To prevent damage, antenna for the receiver is package separately. Remove the antenna from the package and tighten the titanium antenna to the receiver. Do not try to lengthen, shorten, or temper with the antennas, which might result in damage of the audio system and may violate FCC regulation.

#### Receiver's Register Contact

The register contact is used to synchronize the frequency of the receiver and the wireless microphone.



## System Overview

### Wireless Microphone /GWD910T

LED Indicators (Within the REC & Button 1 & 2)

#### **REC Button**

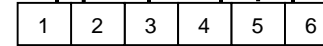
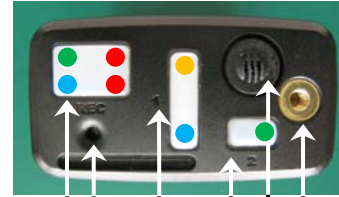
Green / Blue LED OFF for **Standby Mode**  
Green / Blue LED ON for **Recording Mode**  
Green / Blue LED Fast Blink for **Mute Recording**  
Red LED Slow Blink for **Low Battery**  
Red LED ON for **Panic Mode ON**  
Red LED OFF for **Panic Mode OFF**

#### **Programmable Button 1**

Blue LED ON for Programmable 1 Function ON  
Yellow LED OFF for **Strong Signal**  
Yellow LED ON for **Signal is Marginal or Weak**

#### **Programmable Button 2**

Green LED ON for Programmable 2 Function ON



**1** REC Button: Audio / Video Recording ON (*Press REC Button once*)  
This action will initiate the IN-CAR VIDEO SYSTEM to record both audio and video data. To stop recording, press the stop button on the IN-CAR VIDEO SYSTEM monitor module.  
Panic ON (*Press and hold REC Button for 3 second*)  
Wireless microphone will automatically send a panic signal to the IN-CAR VIDEO SYSTEM ; the signal will be relayed back to the station for process. (*This function is only available if the wireless communication is established*) The Panic Mode may be deactivated by holding down the REC button for another 3 seconds.

**2** Buzzer Produce Warning Tone  
**3** PB 1: Programmable Button 1  
**4** PB 2: Programmable Button 2  
**5** Microphone Audio Input.  
**6** Antenna External Antenna base for long distance used.  
REC+PB1 Hold both Button 3 Seconds for Covert Mode:  
Switching Warning Features between Vibration and (LED + Buzzer + Vibration )



## System Overview

### Wireless Microphone SCMIC-TRAN2/GWD910T



#### Battery Selection and Installation

The GWD910 wireless microphone is powered by a rechargeable lithium-ion battery. The wireless microphone housing is designed to prevent incorrect installation of the battery. Do not force the battery in to the housing. Reversed batteries may cause damage to the wireless microphone. The battery compartment is located at the bottom of the wireless microphone. Slide off the battery cover and remove the silicon seal, at this point the battery is free to slide out.



#### Transmitting Antenna

The GWD910 Wireless Microphone includes a flexible antenna, which is package separately to prevent damage. Remove the antenna from the package and tighten the antenna to the wireless microphone. For best result, allow the antenna to extend fully. If the signal is marginal, please experiment with different wireless microphone position on your body. Do not attempt to remove, replace or change the length of the transmitting antenna, which might result in damage of the audio system and may violate FCC regulation

#### Wireless Microphone Contact


The wireless microphone contact is used to synchronize the frequency of the wireless microphone and the receiver. It is also the contact for the battery charger.



## Operating Procedure

The GWD910 is designed to eliminate unnecessary hassle of pairing a receiver with a particular wireless microphone. With the latest technologies, the GWD910 is able to synchronize the frequency of any GWD910T Wireless Microphone with any GWD910R Receiver.

Just follow these few simple instructions to ensure maximum performance:

1. Check out any GWD910T Wireless Microphone and make sure it is fully charged before operation.
2. Please be sure the IN-CAR VIDEO SYSTEM is ON before proceeds any further.
3. Slide the wireless microphone contact directly on top of the receiver's register contact (*located on the top of the IN-CAR VIDEO SYSTEM monitor module*) until a confirmation tone has sound. This indicates the receiver's register contact has synchronized the frequency of the receiver and the wireless microphone. Wireless microphone is now on standby mode and is ready for use.
 
4. Please only synchronize one wireless microphone to one receiver.
5. There are three methods to activate recording on the wireless microphone:
  - a. Press the ON or Panic Button once on the wireless microphone for recording.
  - b. Activate video recording at the IN-CAR VIDEO SYSTEM. This action will automatically trigger wireless microphone recording.
  - c. Turn on the light bar or siren in the patrol car. This action will also automatically trigger wireless microphone and video recording.
6. To prevent accidental audio shut off. The only way to return wireless microphone to standby mode from recording mode is to stop the video recording from the IN-CAR VIDEO SYSTEM.
7. During recording mode, if the warning sounds and the yellow LED flash, this means the signal is marginal or weak. At this time, please step closer to the receiver or reposition the wireless microphone until the warning stops. However, if the warning persists and exceeds 30 seconds, the wireless microphone will automatically shut off and return to standby mode. If user returns within the signal range again while the video is still recording, the receiver will re-initiate the wireless microphone automatically.
8. For charging, simply place the wireless microphone to the charger and leave it charging for at least 6 (six) to maximize battery capacity.



## **Federal Communications Commission (FCC) Statement**

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You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment. .

### **FCC RF Radiation Exposure Statement:**

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment (Base Station)complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

<http://www.gomet.com.tw>