

MARTEL

2.4G Wireless Partner

MODEL : 24WP01

User's Manual

IMPORTANT SAFETY INSTRUCTIONS

Before using your Microphone equipment, please follow the below to reduce the risk of fire, electric shock, and injury to persons:

1. Read and understand all instructions.
2. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
4. Do not put this product on an unstable cart, stand, or table.
5. This product should be operated only from the power source stated on the marking label.
6. To reduce the risk of electric shock, do not dismantle this product yourself. Please take it to a qualified service contractor when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
7. Unplug this product from the power source and refer servicing to qualified service person under the following conditions:
 - A. When the power source cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following operating instructions, adjust only those controls that are covered by the operating instructions. Adjustments of other controls may result in damage and will often require extensive work by qualified technicians to restore the product to normal operation.
 - E. If the product has been dropped or the case has been damaged or broken.
 - F. If the product presents a special change in performance.

FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. THE OPERATION IS SUBJECT TO THE BELOW CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

This equipment has been tested and found to comply with the limits for a Class B digital device, in accordance with 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. If the users do not install and use this equipment according to the instructions, it may cause harmful interference to radio communication. 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 users are encouraged to try to correct the interference by the below measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult with dealers or experience radio/TV technicians for help.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

BATTERY SAFETY INSTRUCTION

CAUTION: To reduce the risk of fire or injury to persons, read and follow these instructions:

1. Use only the following type and size of transmitter batteries: microphone Batteries DC3.7V, 1800mAh, Li-ion Battery pack.
2. Do not dispose of the battery in or near a fire. The cell may explode. Check with local codes for possible special disposal instructions.
3. Do not open or break the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling the battery in order not to short the battery with conducting material such as rings, bracelets and keys. The battery or conductor may overheat and burn then.
5. Recharge only the battery provided with or identified for use with this product. The battery may leak corrosive electrolyte or explode if it is not the correct type.
6. Do not attempt to rejuvenate the battery provided with or identified for use with this product by heating them. Sudden release of the battery electrolyte may cause burn or irritation to eyes or skin.
7. When inserting the batteries into the product, the proper polarity or direction must be observed. Incorrect polarity of batteries may result in leakage or explosion.
8. Remove the batteries from the product if the product will not be used for a long period of time (several months or more).
9. Discard "dead" batteries as soon as possible since "dead" batteries are more likely to leak in a product.
10. Do not store this product or battery in high temperature circumstances.
11. Disconnect the microphone from the product before inserting the batteries.

Summary

2.4G Wireless Partner is a long-distance wireless microphone developed based on 2.4G wireless transmission technology. It uses a 2.4G RF-Module and provide with 88 channels that avoid the interference while many 2.4G Wireless Partner are using at the same time. In addition, the 2.4G wireless transmission technology can furnish with good transmission quality in long-distance.

Specifications

RF Specifications

Frequency : 2.4GHZ (2402.784 MHz – 2477.952 MHz)

Channels : 88

Channel Separation: 864 KHz

Power : 5mW

Sensitivity : -92dBm to -94dBm

Modulation : GFSK

Antenna : Internal

24WP01R

Indicators

Inuse LED : Green

Charger LED : charging RED/full Charged Green

Connections

In-car MIC 3.5mm stereo plug

8pin cable

1.Red - +12V DC

2.Orange - GND

3.Black - Trigger

4.White - Output

5.Yellow – External MIC enable

6.Green – Transmitter Audio

7.Blue - External MIC Audio

8.Black – AGND

Audio

Bandwidth : 100HZ~20KHZ

Output Level : 5.5Vp-p

Power

DC +12V +-10%

24WP01T

controls

on/off side switch

In USE Button

Indicators

In USE : Green LED

Low battery : Red LED :

Battery : LI-on 3.7V 1800Ma cell

MIC : bulit in -35dB Microphone

External MIC : 3.5mm stereo plug

Antenna : Internal

Installation

1. Connect the **8-pin connector** into your car system jack.
2. If you will use the In-Car MIC, switch on your car system. Then, plug **3.5mm stereo MIC plug** into the jack of In-Car MIC on the receiver.
3. Plug the **optional 3.5mm MIC plug** into the optional MIC jack on the transmitter if needed.
4. Turn on the power switch on the transmitter.

Note: Please charge the battery until full before first use. The RED indicator will light on during charging and the GREEN indicator will light on when the battery fully charged.

Operation

1. Normal Operation
 - Switch on the transmitter and it will beep once and RED/GREEN indicators will flash at the same time. In a few seconds, it will beep twice and the GREEN indicator will turn on which means that the connection between the transmitter and receiver has been established successfully.
 - Press the **IN-USE** button on the transmitter. When the GREEN indicator light up, the recording system is ready now.
 - Press the **IN-USE** button again once you want to stop recording and the GREEN indicator will light off.
2. Remote Function

When it is disconnected, in case the person in the car would like to open the recording system. You can turn on the switch in the car and the system will be opened. And the GREEN indicator on the transmitter will turn on.
3. Disconnection

If the transmitter is too far away from the receiver or interfered with other devices, the recording system may become disconnected. While it is disconnected, the transmitter will alert you by warning beeps continuously and RED indicator will flash. Once you hear the beeps, move closer to the receiver and the transmitter will connect to the receiver automatically.
4. Low Battery

If the transmitter **LOW BATT** indicator (RED color) starts flashing or you hear warning beeps, return the transmitter to its cradle on the receiver to charge. The GREEN indicator will turn on when the transmitter battery is fully charged.