



# DW-26

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## 2.4G Digital Wireless Microphone System

Operation Manual



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**Please read through this manual carefully before use DW-26.**

## 1.Safety Information

### Limited Warranty Statement

- TAIWAN CAROL ELECTRONICS CO.,LTD. Warrants that this product shall be free from defects in material and workmanship for a period of one year (12 months) from the date of purchase by the distributor ( "Warranty Period" ).
- When a defect is found during the Warranty Period, CAROL may repair the product free of charge with new or renewed parts.
- The Warranty Period for such repaired product is the remaining Warranty Period of the original product, or sixty (60) days after the repair date, whichever is longer.
- Liability of CAROL is limited to the initial purchase price paid for the product.

This Limited Warranty does not cover:

- 1.The defect is not notified within Warranty Period.
- 2.Any damage caused as a result of improper storage or use, accident, modification of the product, non-material or non-workmanship defect, or any unreasonable usage.
- 3.Normal wear out (including consumption parts) and damage to the product, broken cable, scratch, lost, stolen, bended plug ...etc.
- 4.Appearance items and decorative parts.
- 5.Warranty is void if the product has been modified by the user.

Without authorization, this Limited Warranty cannot be modified.



### Safety Precautions

- Read this section carefully and thoroughly.
- To obtain the best performance, read this manual before installing or using the product.
- Be sure to follow the safety and precautions listed in this manual.
- "Warning" and "Caution" are used to indicate the degree of danger and damage when the product is not used correctly.



**Warning**

Failure to comply with warnings may result in severe personal injury or property damage from improper operation.



**Caution**

Failure to comply with cautions may result in personal injury or property damage from improper operation.



### WARNING

Failure to comply with warnings may result in severe personal injury or property damage from improper operation.

- Do not let any form of liquid (water etc.) or foreign matter enter the equipment. Failure to follow this warning may cause fire or electric shock.
- Do not attempt to modify the product. Doing so may result in personal injury and/or product failure.
- Keep this product, packaging and small parts away from young children and pets to avoid choking hazard.
- Do not use a power adapter with different specifications. It may cause fire or electric shock.



### CAUTION

Failure to comply with cautions may result in personal injury or property damage from improper operation.

- Do not attempt to disassemble or modify the equipment. Doing so may result in product failure.  
Keep dry. Do not expose the product to direct sunlight or place the product at the environment with high level of heat, moisture or dust.
- Avoid contact with acids, alkali or organic solvent as they may cause product corrosion or deformation.
- Do not use this product when there are obvious signs of damage.
- Avoid placing the receiver near other wireless transmitters such as Wi-Fi, Bluetooth or other 2.4 GHz devices. For the best results, maintaining a separation of at least 5 meters is recommended.
- Do not place the main unit near sources of interference such as active computers or communications equipment when using the wireless microphone to avoid interfering with normal usage.  
To avoid interfering with the display of a monitor, do not place this product near electronic appliances that incorporate a CRT, such as TVs or computer monitors.
- Avoid strong shocks and dropping on the ground.
- Maintaining a clear line of sight between the transmitter and receiver is recommended.

## 2. Product Overview and Accessories

### ■ Product Overview

Thank you for choosing the DW-26 2.4G Digital Wireless Microphone System developed by CAROL ELECTRONICS. CAROL specializes in the development portable and easy-to-carry digital wireless microphones suitable for street performers, home entertainment, school PA systems, businesses, agencies and groups that have a contemporary design and high-quality finish.

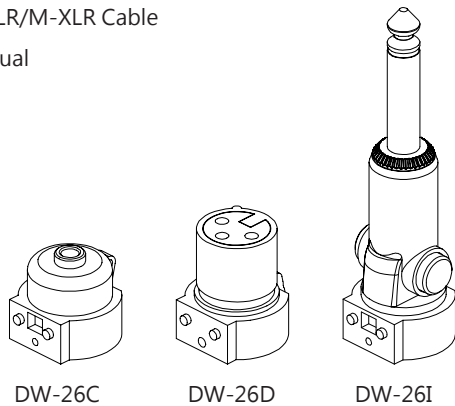
### ■ Product Accessories

- 1. DW-26 Digital Wireless Receiver (DW-26R) x1
- 2. DW-26 Digital Wireless Transmitter x2 (optional)

The DW-26 digital wireless transmitter has three port types.

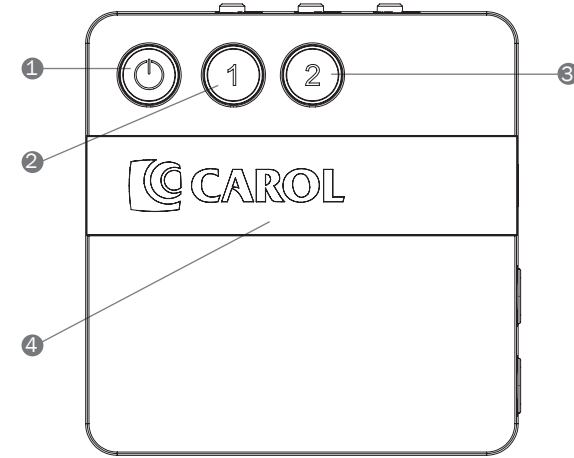
- DW-26C: suitable for condenser microphones,
- DW-26D: suitable for dynamic microphones,
- DW-26I: suitable for connecting musical instruments

- 3. Storage Case x1
- 4. USB A TYPE to Micro USB Charging Cable x1
- 5. ø6.3 M-XLR/M-XLR Cable x1
- 6. User Manual x1



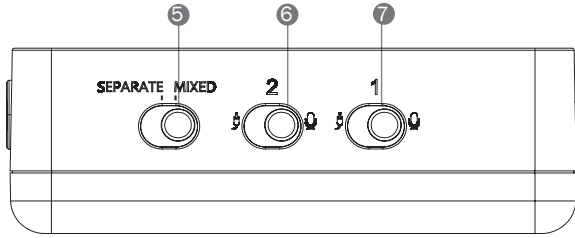
## 3. Parts and Functions

### ■ DW-26 Digital Wireless Receiver (as shown in Figure 3.1)

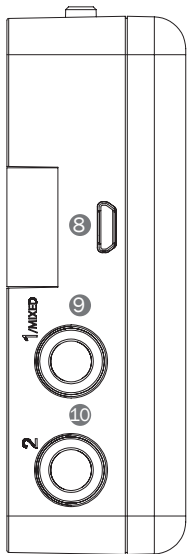


( Figure 3.1 )

- ① **Power Button:** Hold down for 2 second to turn on. The power light also comes on. Hold down for 3 seconds to switch off. The power light will also go off.
- ② **Transmitter 1 Pairing Button:** When the receiver has finished pairing, Transmitter 1 Pairing Button will light up. Hold down this button enter pairing mode.(FOR TECHNICIAN USE ONLY)
- ③ **Transmitter 2 Pairing Button:** When the receiver has finished pairing, Transmitter 2 Pairing Button will light up. Hold down this button enter pairing mode.(FOR TECHNICIAN USE ONLY)
- ④ **Blue Light Cover:** When the power is on, the blue light cover will light up.

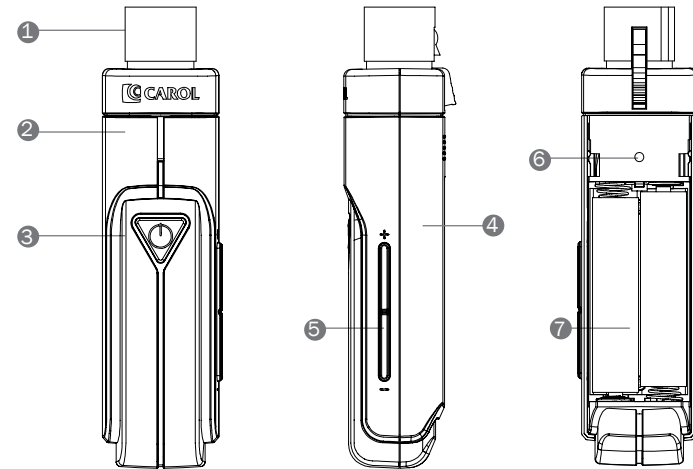


- ⑤ **Mixer Switch** : Can switch between SEPARATE and MIX modes. In SEPARATE mode, Transmitter 1 and Transmitter 2 are output through audio port 1 and audio port 2 respectively. In MIX mode, Transmitter 1 and Transmitter 2 are mixed then output through audio port 1.
- ⑥ **Transmitter 1 Output Switch** : 1 Output Switch: Can switch between MIC OUT and LINE OUT modes. We recommend using the MIC OUT mode (lower output volume) when using a microphone, and LINE OUT mode (higher output volume) for musical instruments.
- ⑦ **Transmitter 2 Output Switch**: As above.



- ⑧ **Micro USB Power Port**: Can be connected to power banks or a power supply with DC 5V/1A USB output via the included USB cable.
- ⑨ **Transmitter 1 Audio Port**: Connect to the amplifier system via a  $\varnothing 6.3$  cable. The audio signal from Transmitter 1 is output from here. If mixer mode is set to "MIX" then the audio signals from Transmitter 1 and 2 will both be output here.
- ⑩ **Transmitter 2 Audio Port**: Connect to the amplifier system via a  $\varnothing 6.3$  cable. The audio signal from Transmitter 2 is output from here.

■ DW-26 Digital Wireless Transmitter (as shown in Figure 3.2)



( Figure 3.2 )

- ① **Adapter**: DW-26 offers three different connection types (optional)
  - 1.DW-26C:  $\varnothing 3.5$ mm female connector suitable for condenser microphones.
  - 2.DW-26D: XLR female connector suitable for dynamic microphones.
  - 3.DW-26I:  $\varnothing 6.3$ mm male connector suitable for connecting with musical instruments.
- ② **Status LED**: Light is green when the device is on and battery level is good; when battery is low and needs to be replaced the status LED is red; during pairing the light blinks green.
- ③ **Power Button**: Hold down for 2 second to turn on. The power light also comes on. Hold down for 3 seconds to switch off. The power light will also go off.
- ④ **Battery Cover**: Used to protect the battery. The battery is also replaced from here.
- ⑤ **Volume Button**: Volume Button: Use to increase or reduce the output volume.
- ⑥ **Transmitter Reset Button**: Used for renewing receiver pairing.  
(FOR TECHNICIAN USE ONLY)
- ⑦ **Battery Compartment**: Accommodates two AAA batteries.

#### 4. Product Specifications

##### ■ DW-26 Digital Wireless Microphone System

Carrier Frequency: 2403~2478MHz

Transmission Power: 6dBm±2dBm(DW-26C, DW-26D, DW-26I); 10dBm±2dBm(DW-26R)

Receive Sensitivity: -82dBm

Frequency Response: 30-20,000Hz

S/N Ratio: 88dB @ 1KHz

Audio Quality: 48KHz / 16bits

Latency: < 13ms

Transmission Channels: 26 channels (3MHz/CH)

Distance Adjustment: Approximately 20 meters indoors and 30 meters in open outdoor areas.

##### ■ DW-26 Digital Wireless Receiver

Power Supply: DC 5V

Power Consumption: 180mA

Power Port: Micro USB

Output Jack: ø 6.3mm Female Jack\*2

Dimensions: 85.7 (length) × 82 (width) × 28.2(height) mm

Weight: 207g (w/o batteries)

##### ■ DW-26 Digital Wireless Transmitter

Model: DW-26C, DW-26D, DW-26I

Volume Adjustment: ±10dB(2dB/step)

Power Supply: AAA batteries \*2

Power Consumption: 65mA

Battery Life: Approx. 10 hours (alkaline battery)

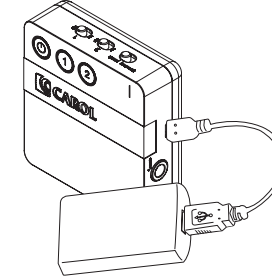
Dimensions: 101.8 × 25.6 × 24.6 mm

Weight: 35g (w/o batteries)

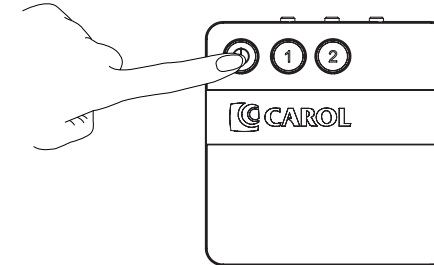
#### 5. Instructions

##### ■ Turn on the Receiver

1. Connect the USB cable included with the DW-26 receiver to standard power bank or a power supply with DC 5V/1A USB output.

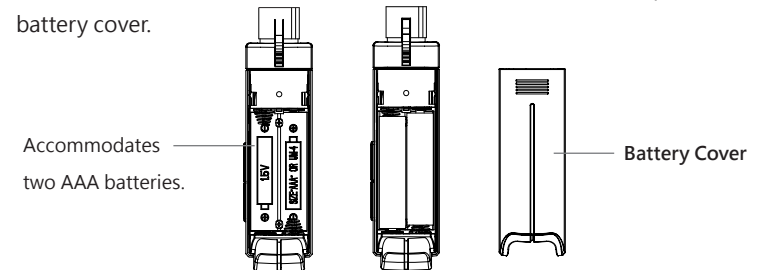


2. Hold down for 2 seconds to turn on. When the power status LED and the cover light up then device has been turned on.



##### ■ Turn on Transmitter

1. Open the DW-26 digital wireless transmitter' s battery cover and insert two AAA batteries in the indicated direction. Replace the battery cover.





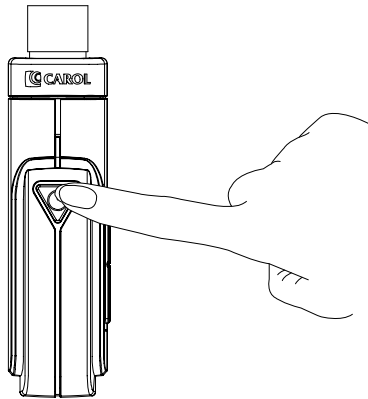
**2. Connect the devices based on the transmitter model purchased.**

DW-26C : ø 3.5mm female connector suitable for condenser micro phones.

DW-26D : XLR female connector suitable for dynamic microphones.

DW-26I : 6.3mm male connector suitable for connecting with musical instruments. **“While the transmitter is working, please do not disconnect it from your device to avoid the pop sound occurred” .**

3. Hold down for 2 seconds to turn on. When the status LED lights up then it has been turned on.



**■ Turn Off the System**

1. Hold down the receiver power button for 3 seconds. Once the status LED goes out then the device has been turned off.

2. Hold down the transmitter power button for 3 seconds. Once the status LED goes out then the device has been turned off.

**■ Changing the Transmitter’s Battery**

1. When the transmitter is on and the status LED turns red, this means battery is low and needs to be replaced.

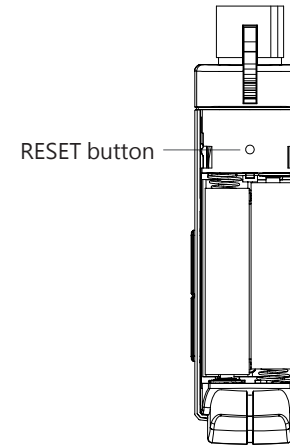
2. Open the DW-26 digital wireless transmitter’s battery cover and insert two AAA batteries in the indicated direction.

3. Replace the battery cover.

**■ Pairing (FOR TECHNICIAN USE ONLY)**

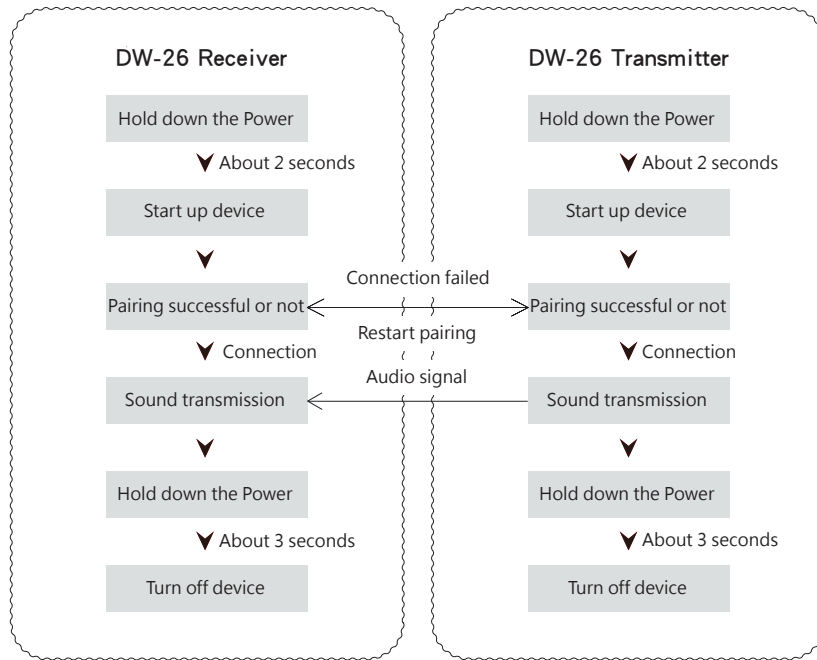
When the receiver and transmitter are both turned on, pairing will generally happen automatically. If automatic pairing fails then please follow the steps below to complete the pairing process.

1. Turn on the DW-26 receiver and hold down the Transmitter 1 (or Transmitter 2) Pairing Button. The corresponding status LED will start blinking.
2. Hold down the RESET button on the DW-26 transmitter. The transmitter’s status LED will start blinking.



3. When the Transmitter 1 (or Transmitter 2) Pairing Buttons and transmitter status LEDs are both blinking, it indicates the auto pairing is activated by the program. The pairing process takes about 10-20 seconds. Once pairing is complete then LED lights on the paired products will glow continuously.
4. If the pairing process failed, please repeat 5.5.1-5.5.2, and speed up the process.

■ **Operating Procedure**



**6.Frequently Asked Questions and Troubleshooting**

1. Wireless receiver does not turn on: check whether the connected power bank has enough power, or whether the power supply is working normally.
2. Status LED on the transmitter does not light up when power is on: check if the batteries are properly installed or have enough energy.
3. Status LED on the transmitter keeps blinking: check if the batteries have enough energy, or if the Receiver turns on.
4. No sound: Please check if the volume is set too low, or if the sound cable is properly connected.
5. The maximum effective distance between the Digital Wireless Transmitter and the digital wireless receiver is 20m indoors and 30m in open outdoor areas. Exceeding this range may lead to get disconnected.

**7.Certification**

- 1.CE
  - EMC : EN 301489-1 / EN 301489-3
  - RF : EN 300440
  - LVD : EN 60065
- 2.FCC
  - (Tx+Rx) : FCC Part15C(Certification)
- 3.NCC
  - (Tx+Rx) : LP0002
- 4.FCC Compliance Statement
  - 1.1 Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
  - 1.2 In order to comply with the regulations of FCC Radiated Emission Limits, do not place or operate this transmitter and its antenna together with another antenna or transmitter.
  - 1.3 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; (2) This device must accept any interference received, including interference that may cause undesired operation.

**IMPORTANT NOTE:** To comply with the FCC RF exposure compliance requirements, the antenna(s) used for DW-26 Receiver must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. No change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

**FCC INFORMATION**

The 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 instruction, may cause harmful interference to radio communication. However, there is no grantee that interference will not occur in a particular installation. If this equipment dose 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.