dewenwils MST01 Remote Control Transmitter Instruction Manual

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dewenwils MST01 Remote Control Transmitter

Product Information

Please pay attention to the warning signs
Read the instructions with caution before operating and keep it properly

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5. Mounting bracket
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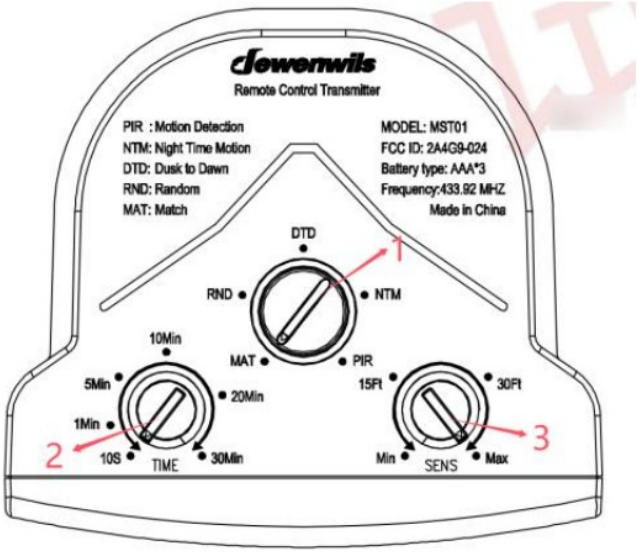
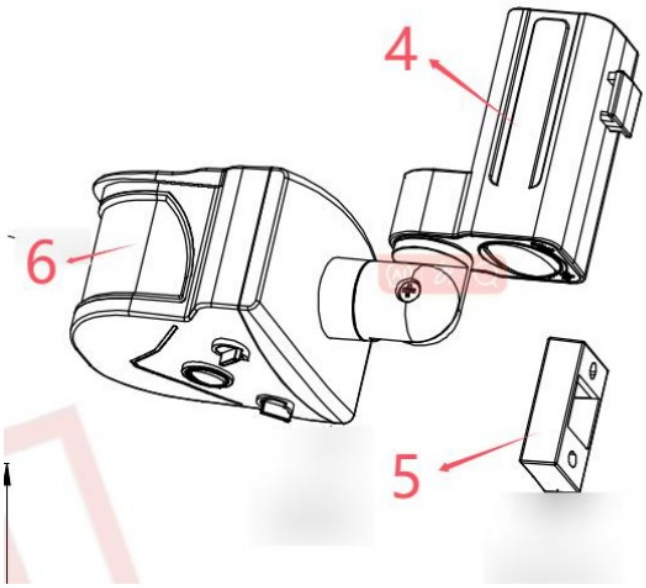




Function Introduction

1. 5 modes of the wireless motion sensor transmitter “function knob switch”:

MAT Match Mode	When the knob is set to this mode, the induction transmitter will send an on and off signal to the receiver every 3 seconds, whether it is day or night, and stop sending any signal after sending 10 sets of on and off signals. Note: This mode is mainly used for receiver pairing and testing products.
PIR Motion Detection Mode	When the knob is set to this mode, the sensor transmitter monitors human activity during the day or at night. When human activity is detected, the sensor transmitter transmits an on signal to the receiver; when the receiver on time reaches the delay time preset by the TIME knob and no one passes by the sensor, the product transmits a off signal to the receiver.
NTM Night Time Motion Mode	When the knob is set to this mode, the sensor transmitter does not monitor human activities during the day, and starts monitoring human activities in the evening after the sensor transmitter detects that the light reaches the

	start brightness. When human activities are detected, the sensor transmitter will send an on signal to the receiver; when the receiver on time reaches the delay time preset by the TIME knob and no one passes by the sensor, the product sends a shut-down signal to the receiver.
DTD Dusk to Dawn Mode	When the knob is set to this mode, the sensor transmitter is only affected by the current ambient brightness. In the evening, when the sensor transmitter detects that the light reaches the start-up brightness, it will send a start signal to the receiver; at dawn, when the sensor transmitter detects that the light reaches the shutdown brightness, it will send a shutdown signal to the receiver after a delay of 1 minute.
RND Random Mode	When the knob is set to this mode, the sensor transmitter will send an open signal and a close signal to the receiver at irregular intervals in the evening. The random time range is from 1 minute to 30 minutes. At dawn, when the sensor transmitter detects that the light reaches the shutdown brightness, it will send a close signal to the receiver after a delay of 1 minute.

NOTE: To activate the desired function, turn the rotary switch to the letter that corresponds to that mode.

2. Setting the “Delay Knob Switch” of the Wireless Motion Sensor Transmitter In “PIR” or “NTM” mode, you can adjust the TIME knob to pre-set the time the product can keep the receiver turned on after the last human activity is detected. Note:
    1. The time range is adjustable from 10 seconds to 30 minutes.
    2. The “Delay Knob Switch” does not work in “RND”, “DTD” and “MAT” modes.
3. Setting the “Sensitivity Knob Switch” of the Wireless Motion Sensor Transmitter In “PIR” or “NTM” mode, you can adjust the SENS knob to set the sensitivity of human detection.
   Note:
    1. When the SENS knob is set to “Min”, the maximum sensing distance can be up to 3 meters.
    2. When the SENS knob is set to “Max”, the maximum sensing distance can be up to 15 meters.
    3. The “Sensitivity Knob Switch” does not work in “RND”, “DTD” and “MAT” modes.

Instructions for first use of the product

1. Install the receiver (refer to the receiver installation wiring diagram in the manual).
2. Install the battery in the wireless motion sensor transmitter (refer to the battery installation method in the manual).
3. Turn the transmitter’s “function knob switch” to “MAT” mode to check whether the transmitter can control the receiver normally.
4. If the transmitter and receiver function normally, please adjust the transmitter’s “function knob switch” to the required mode.
5. Install the transmitter to the required location (Install the transmitter mounting bracket in the desired location with the included screws.
   Note: The installation height of the transmitter from the ground should not be less than 3ft and not more than 7ft.)

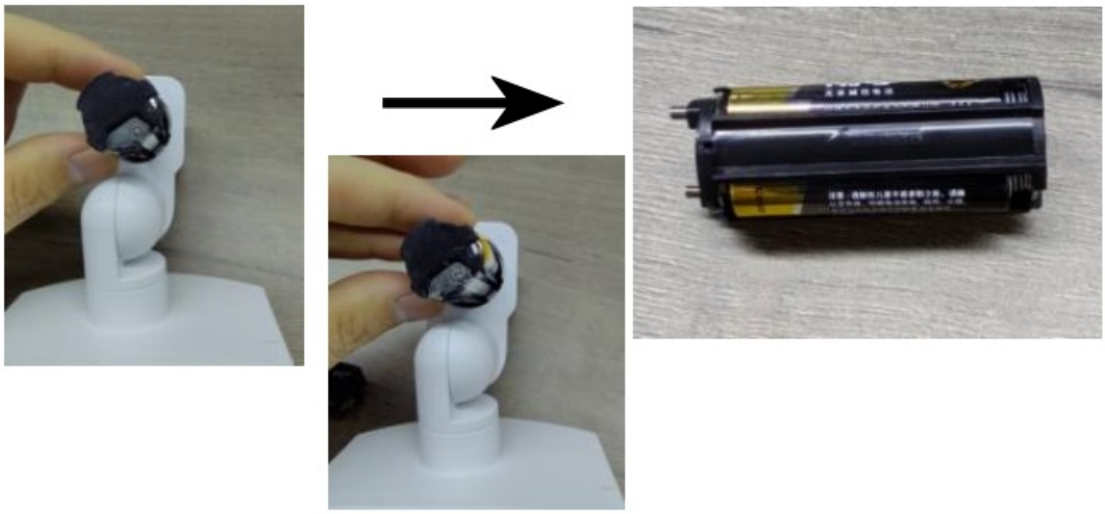
Note: When the transmitter’s “function knob switch” is turned to “MAT” mode and the transmitter cannot control the receiver normally, please check according to the following steps.

1. Check whether the receiver is wired correctly;
2. Check whether the battery is installed correctly.
3. Re-pair the receiver and transmitter. (Refer to the pairing programming in the manual)

How to Install the Battery of Wireless Motion Sensor Transmitter

1. Turn the battery cover at the bottom of the battery box to the “unlock” position and pull out the battery cover.

2. Take out the black battery compartment inside the battery box and install 3 AAA NiMH batteries.
3. Insert the black battery compartment containing the batteries into the battery box.



4. Insert the battery cover into the bottom of the battery box and screw it to the “lock” position.

Note: When the blue indicator light in the lens of the wireless motion sensor transmitter keeps flashing, it means that the battery power of the transmitter is too low. Please replace the battery in time.

Pair Programming

The receiver and transmitter are pre-programmed and ready for immediate use, but there are a few devices that may not be pre-programmed or programmed incorrectly, or you may want to customize the configuration to suit your needs.
Please follow the steps below to program the transmitter and receiver:

1. Press the “Program Button” on the receiver for 3 seconds until its indicator light starts to flash slowly.
2. Release the “Program Button” on the receiver and turn the “Function Knob Switch” on the remote control to “MAT” mode.
3. When the indicator light on the receiver stops flashing and remains on, it means that the product pairing and programming is successful.
4. Adjust the “Function Knob Switch” on the transmitter to the required mode as needed.

Tip: Each transmitter can be paired to control multiple receivers; each receiver can also be paired with multiple transmitters.

Cancel Programming
Cancel all programs so that the remote control transmitter cannot control the receiver:

1. Press the “Programming Button” on the receiver for 6 seconds until its indicator light starts flashing quickly. **(Note:** The indicator light on the receiver flashes from slow to fast.)
2. Release the “Programming Button” on the receiver.
3. Then short-press the “Programming Button” on the receiver again. When its indicator light goes out, it means that the programming has been successfully canceled.

Specifications

- Transmission Frequency: 433.92MHz
- Remote Control Distance: 100 ft (Free Area)
- Detecting Angle:240°
- Detection distance:50ft

FCC Warning

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, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

Note: 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FAQ

- **Q: Can I use the Delay Knob Switch in all modes?**

  A: No, the Delay Knob Switch only works in PIR and NTM modes.
- **Q: What is the maximum sensing distance based on Sensitivity Knob setting?**

  A: When set to Min, the maximum distance is 3 meters; when set to Max, it is 15 meters.

Documents / Resources

	**dewenwils MST01 Remote Control Transmitter** [pdf] Instruction Manual 2A4G9-024, 2A4G9024, 024, MST01 Remote Control Transmitter, MST01, Remote Control Transmitter, Control Transmitter, Transmitter

References

- **User Manual**