

DieseRC KT17

DieseRC KT17 433 MHz Wireless Remote Control Transmitter Instruction Manual

1. PRODUCT OVERVIEW

The DieseRC KT17 is a 4-button wireless remote control transmitter operating at 433 MHz. It utilizes a 1527 learning code for secure and stable communication. This transmitter is designed exclusively for use with compatible DieseRC 1527 learning code receivers, enabling remote control of various devices such as garage doors, lights, ventilation systems, and other home automation applications. It features a robust design with a long operational lifespan and a reliable signal transmission range.



Figure 1: DieseRC KT17 Wireless Remote Control Transmitter.

2. PRODUCT FEATURES

- **RF Frequency:** 433 MHz for stable wireless communication.
- **Encoding Type:** 1527 Learning Code, ensuring secure and reliable signal transmission.
- **Buttons:** Four independent control buttons (A, B, C, D).
- **High Sensitivity:** Reception sensitivity greater than 97 dBm.
- **Extended Range:** Effective operating range of over 30 meters (approximately 100 feet), capable of passing through walls, floors, and doors.
- **Durable Construction:** Designed for over 500,000 clicks, providing a long operational life.
- **Power Source:** Requires one 12V 27A battery (included).
- **Compact Design:** Dimensions of 55 x 30 x 15 mm and a weight of 33g for portability.
- **Versatile Application:** Suitable for controlling various devices in homes, offices, and industrial settings when paired with a compatible receiver.



Weight: 33g

Size(L*W*T)

55*30*15mm / 2.2*1.2*0.6in

Figure 2: Detailed view of the KT17 remote control, highlighting its components and specifications.

3. SETUP INSTRUCTIONS

3.1. Battery Installation

The DieseRC KT17 remote control comes with a 12V 27A battery pre-installed. If replacement is needed, follow these steps:

1. Locate the small screw or latch on the back or side of the remote control.
2. Carefully open the casing to access the battery compartment.
3. Remove the old 12V 27A battery and insert a new one, ensuring correct polarity (+/-).
4. Close the casing securely.



Figure 3: The KT17 remote control, illustrating the battery type.

3.2. Pairing with a Receiver

The KT17 transmitter uses a 1527 learning code and must be paired with a compatible DieseRC 1527 learning code receiver. It cannot clone other remote controls. Refer to your DieseRC receiver's instruction manual for specific pairing steps. Generally, the process involves:

1. Ensure the receiver is powered on.
2. Press the "Learn" button on your DieseRC 1527 learning code receiver. The receiver's indicator light will typically illuminate or flash.
3. Within a few seconds, press any button (A, B, C, or D) on your KT17 remote control.
4. The receiver's indicator light should change (e.g., turn off, flash differently) to confirm successful pairing.
5. Repeat the process for additional buttons if your receiver supports multiple channels or modes.

Important Note: This remote control is not programmable and can only be matched with 1527 learning code receivers. It cannot be used to duplicate signals from other remote controls.

4. OPERATING INSTRUCTIONS

Once successfully paired with a compatible DieseRC 1527 learning code receiver, the KT17 remote control is ready for use.

- **Button Functionality:** Each of the four buttons (A, B, C, D) can be assigned to control a specific function or device on your receiver. The exact function of each button depends on how it was programmed during the pairing process with your receiver.
- **Activation:** Press and hold the desired button briefly to send a signal to the paired receiver. The indicator light on the remote will illuminate when a signal is being transmitted.
- **Range:** Maintain a distance within 30 meters (approximately 100 feet) from the receiver for optimal performance. While the signal can pass through obstacles, heavy interference or very thick barriers may reduce the effective range.



Figure 4: Example application of remote control for a garage door.

5. MAINTENANCE

- **Cleaning:** Wipe the remote control with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the casing or internal components.
- **Battery Replacement:** Replace the 12V 27A battery when the remote's indicator light becomes dim or the operating range decreases significantly. Refer to Section 3.1 for battery installation instructions.
- **Storage:** Store the remote control in a dry place, away from extreme temperatures and direct sunlight, when not in use for extended periods.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Remote does not respond.	Low or dead battery.	Replace the 12V 27A battery (see Section 3.1).
Remote does not respond.	Not paired with receiver or pairing lost.	Re-pair the remote with the receiver (see Section 3.2).
Short operating range.	Weak battery. Obstacles or interference.	Replace battery. Reduce obstacles between remote and receiver. Ensure no strong RF interference sources nearby.
Remote cannot control other devices.	Incompatible receiver or attempt to clone another remote.	Ensure the receiver is a DieseRC 1527 learning code type. This remote cannot clone other remotes.

7. SPECIFICATIONS

Parameter	Value
Model Number	KT17
Brand	DieseRC
RF Frequency	433 MHz
Encoding Type	1527 Learning Code
Number of Buttons	4
Reception Sensitivity	> 97 dBm
RF Operating Mode	Superheterodyne Wireless Reception
Reception Range	> 30 meters (approx. 100 feet)
Operating Temperature	-30°C to +80°C
Dimensions (L x W x D)	55 x 30 x 15 mm (2.2 x 1.2 x 0.6 inches)
Weight	33 g
Battery Type	12V 27A (included)
Button Lifespan	500,000 clicks

Parameter	Value
Compatible Devices	DieseRC 1527 Learning Code Receivers (e.g., signal transmission devices, ventilation devices, lamps, DIY wireless sockets, lighting, food waste disposers)

8. WARRANTY AND SUPPORT

DieseRC is committed to providing high-quality products and customer satisfaction. For any questions, technical assistance, or support regarding your KT17 remote control or compatible DieseRC receivers, please contact DieseRC customer service. Refer to the product packaging or the official DieseRC website for contact information.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question