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> Universal Ceiling Fan Remote Control Kit Instruction Manual

FEKOTS RC-53T&RC-28R

Universal Ceiling Fan Remote Control Kit Instruction Manual

Brand: FEKOTS | Model: RC-53T&RC-28R

1. INTRODUCTION AND OVERVIEW

This instruction manual provides detailed information for the installation, operation, and maintenance of your FEKOTS Universal Ceiling Fan Remote Control Kit. This kit is designed to provide convenient control over your ceiling fan's speed and light functions.



Figure 1: FEKOTS Universal Ceiling Fan Remote Control Kit components.

2. PRODUCT FEATURES

- **Universal Compatibility:** Designed to work with most major 3-speed AC ceiling fans, including brands like Harbor Breeze, Hunter, Hampton Bay, Litex, Home Decorators Collection, and Honeywell.
- **Independent Control:** Separately controls ceiling fan speed (HI, MED, LOW, OFF) and light brightness (dimmer and on/off).
- **Simplified Pairing:** The kit is factory-paired by default for direct installation and use, eliminating complex setup.
- **Powerful Receiver:** Features a rated power of 240W, exceeding general capacity, allowing for more light bulbs and extended receiver lifespan. Utilizes 2 upgraded relays for improved dimming function compared to thyristors.
- **No Reverse Button:** Compatible with fans that have a built-in reverse switch.



Product Feature



Figure 2: Illustration of 3-speed fan control and light control features.

3. COMPATIBILITY

This universal remote control kit is compatible with most 3-speed AC ceiling fans. It is suitable for most downrod style fans. It is **not recommended** for use with hugger style fans or solid-state fans. The light control function supports LED, CFL, Halogen, and Incandescent lamps.



Compatibility



❌ Not recommended for use with wall mounted fans or exhaust-type fans



✅ Compatible with most downrod style fans



✅ LED Lamps



✅ CFL Lamps



✅ Halogen & Incandescent Lamps

Note:

This set does not include dimming function. If you need dimming, please refer to other sets in the store.

Figure 3: Compatibility overview for fan types and light bulbs.

4. PACKING LIST

The FEKOTS Universal Ceiling Fan Remote Control Kit includes the following components:

- Remote Control (1)
- Receiver (1) - Dimensions: 4.65 x 2.09 x 1.18 inches
- Wall Mount Holder (1)
- User Guide (1)
- Wire Nuts (6)
- Screws (2)

Note: A 9V battery for the remote control is **not included** and must be purchased separately.



Packing List



① Receiver



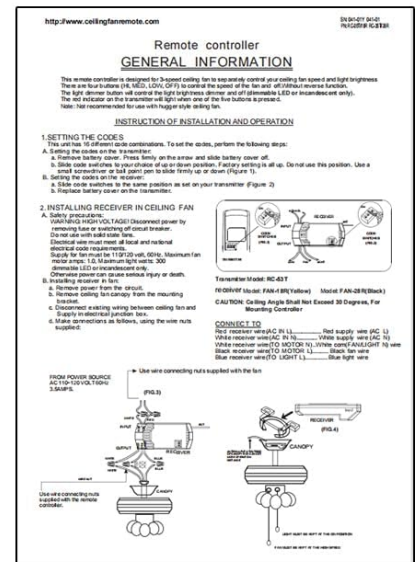
② Remote



③ Wall mount holder



④ Plastic wire connector and screws



⑤ User manual

Figure 4: Contents of the FEKOTS Universal Ceiling Fan Remote Control Kit.

5. SETUP AND INSTALLATION

Before beginning installation, ensure the power to the ceiling fan is turned off at the circuit breaker to prevent electrical shock.

5.1. Wiring the Receiver

1. **Disconnect Power:** Turn off the power to the ceiling fan at the main circuit breaker. Verify power is off using a voltage tester.
2. **Access Wiring:** Carefully remove the canopy of your ceiling fan to expose the wiring.
3. **Disconnect Existing Wiring:** Disconnect the existing wiring from the ceiling fan. Note the color coding of the wires.
4. **Connect Receiver:** Connect the receiver wires to the corresponding ceiling fan and household wires using the provided wire nuts. Refer to the wiring diagram below.
 - **AC 110-120V 60Hz (Household Power):** Connect the white wire from the receiver to the white (neutral)

household wire. Connect the red wire from the receiver to the black (hot) household wire.

- **To Ceiling Fan:** Connect the white wire from the receiver to the white (neutral) fan wire. Connect the blue wire from the receiver to the blue (light) fan wire. Connect the black wire from the receiver to the black (fan motor) fan wire.

5. **Secure Receiver:** Carefully tuck the receiver into the fan's canopy, ensuring no wires are pinched.

6. **Reattach Canopy:** Securely reattach the fan canopy.



Figure 5: Disconnecting existing ceiling fan wiring.



Figure 6: Connecting the receiver to the fan wiring.



Installation



1 Disconnect the ceiling fan wiring



2 Install the controller according to the cable

CONNECTION METHOD

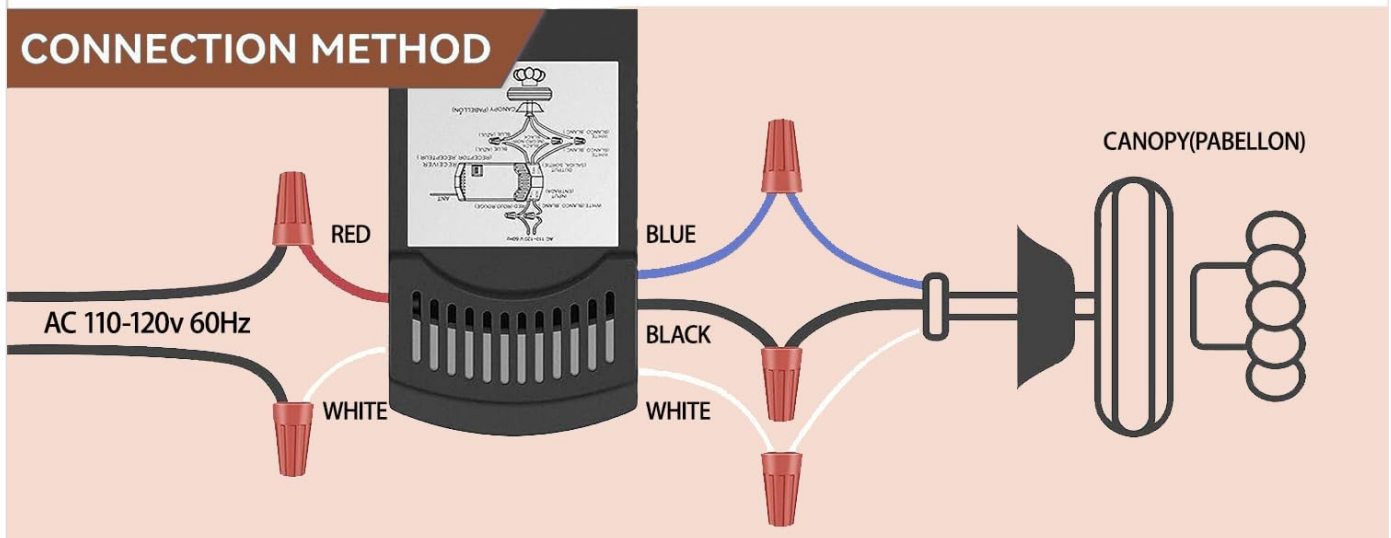


Figure 7: Wiring Diagram for Receiver Installation.

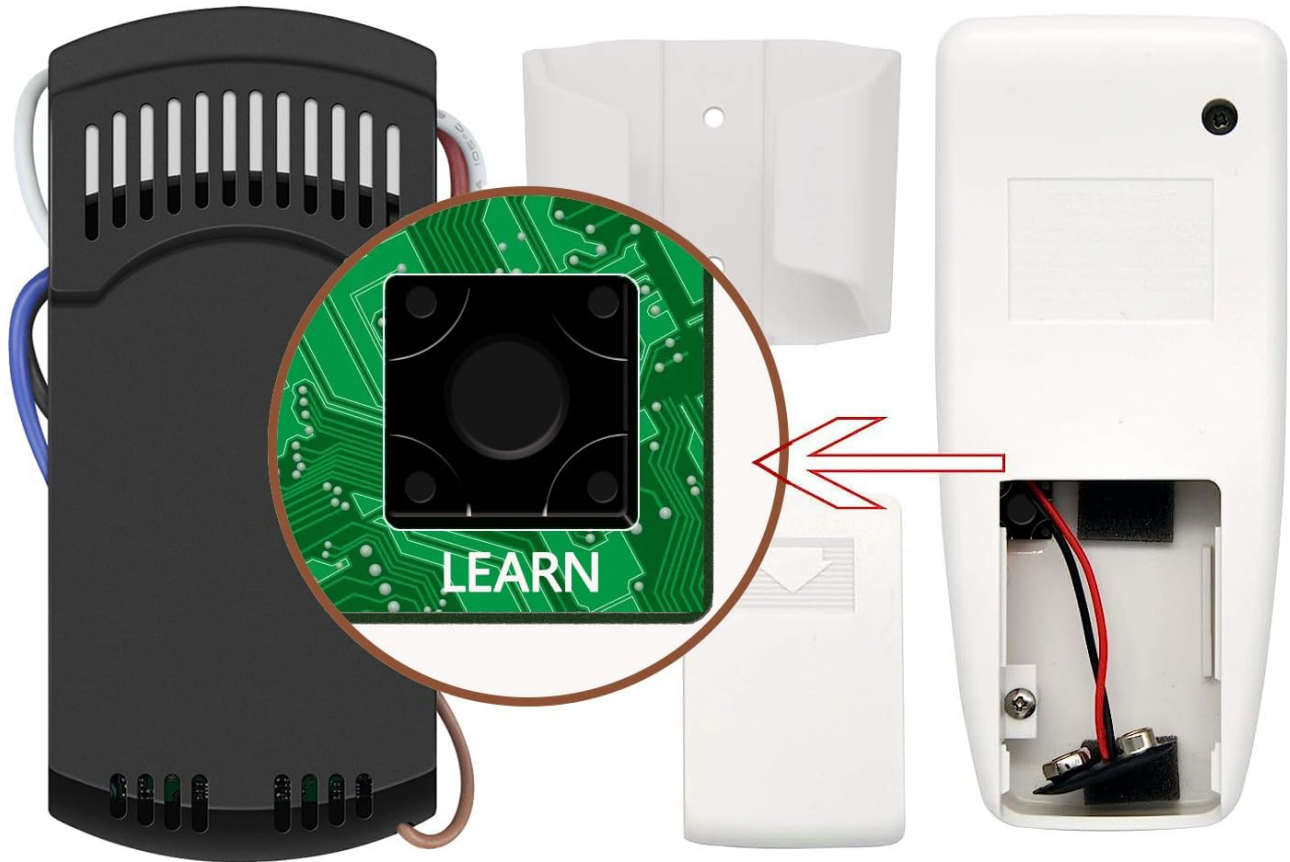
5.2. Remote Pairing (If Needed)

The remote control and receiver are factory-paired by default. If re-pairing is necessary (e.g., after replacing components or if interference occurs), follow these steps:

1. **Power Cycle:** Turn off the wall control switch or the power from the electric box for 5 seconds.
2. **Re-enable Power:** Turn the power back on.
3. **Press "LEARN" Button:** Within 30 seconds of restoring power, press and hold the "LEARN" button located inside the receiver (often accessible through a small opening or by removing the battery cover on some remotes).
4. **Confirmation:** The pairing is complete when the fan light flashes twice.



Settings



- Note:**
1. The factory default pairing is completed, and it can be used directly after installation.
 2. Want to rematch. Turn off the wall control switch or the power of the electric box for 5 seconds, then turn it on, press and hold the "Learn" button, and the pairing is completed after the light flashes twice.

Figure 8: Location of the "LEARN" button for remote pairing.

6. OPERATING INSTRUCTIONS

The remote control provides intuitive operation for your ceiling fan and light. Insert a 9V battery into the remote control before use.

Button	Function
HI	Sets fan speed to High.
MED	Sets fan speed to Medium.
LOW	Sets fan speed to Low.
OFF	Turns the fan off.

Button	Function
Light Button (Bulb Icon)	Short press: Turns the light On/Off. Long press: Adjusts light brightness (dimmer function).

The light button features a luminous design for easy visibility in the dark.



7. MAINTENANCE

To ensure optimal performance and longevity of your remote control kit, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the remote control and receiver with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace the 9V battery in the remote control when its performance diminishes. Ensure correct polarity when inserting the new battery.
- **Environmental Conditions:** Avoid exposing the remote and receiver to extreme temperatures, high humidity, or direct sunlight.
- **Professional Inspection:** If you experience persistent issues or suspect damage to the receiver, consult a qualified electrician.

8. TROUBLESHOOTING

If you encounter issues with your FEKOTS Universal Ceiling Fan Remote Control Kit, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan/Light not responding to remote.	Low or dead battery in remote. Remote not paired with receiver. Power to fan is off. Incorrect wiring.	Replace 9V battery in remote. Perform remote pairing procedure (Section 5.2). Ensure power is on at the wall switch and circuit breaker. Check wiring connections according to diagram (Figure 7).
Fan operates, but light does not.	Light bulb is faulty or loose. Incorrect light wiring to receiver. Incompatible light bulb type.	Check/replace light bulb. Verify blue wire connection from receiver to fan light. Ensure bulb type is compatible (LED, CFL, Halogen, Incandescent).
Fan speeds are incorrect or inconsistent.	Incompatible fan type (e.g., solid-state fan). Incorrect fan motor wiring to receiver.	Ensure fan is a 3-speed AC ceiling fan, not solid-state. Verify black wire connection from receiver to fan motor.

If the problem persists after trying these steps, please contact customer support.

9. SPECIFICATIONS

Product Dimensions	5.71 x 4.84 x 1.57 inches
Item Weight	7.4 ounces
Model Number	RC-53T&RC-28R
Batteries Required	1 x 9V battery (not included)
Manufacturer	FEKOTS
Brand	FEKOTS
Special Feature	Backlit, Universal ceiling fan remote Control Kit
Color	White
Max Number of Supported Devices	10
Compatible Devices	3-Speed AC Ceiling Fan

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official FEKOTS website. You can also contact FEKOTS customer service through the retailer where the product was purchased.

FEKOTS Store: <https://www.amazon.com/stores/FEKOTS/page/37153F60-D63D-4D4E-B759-D1BBDA02C867>