

## SkyTech RCT-MLT-IV

# Skytech RCT-MLT-IV Multi-Function Fireplace Remote Control System User Manual

For Heat N Glow and Robertshaw Valve Systems

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Skytech RCT-MLT-IV Multi-Function Fireplace Remote Control System. This system is designed to offer safe, reliable, and user-friendly control for compatible gas heating appliances, specifically those utilizing Heat N Glow and Robertshaw Valve Systems.

The system operates using radio frequencies (RF) within a 20-foot range, employing non-directional signals. Each system is programmed with one of 1,048,567 unique security codes at the factory. It is essential to match the remote receiver's code to that of the transmitter before initial use.

## 2. SAFETY INFORMATION

**WARNING: Read all instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, personal injury, or death. Installation should be performed by a qualified professional.**

- Always ensure the fireplace appliance is turned off and cooled before attempting any installation or maintenance.
- Disconnect power to the fireplace before wiring the receiver.
- Do not expose the remote control or receiver to water or excessive humidity.
- Keep batteries out of reach of children. Dispose of used batteries properly.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

## 3. PACKAGE CONTENTS

Verify that all components are present in your package:

- Transmitter (Remote Control)
- Receiver Unit

- Wiring Harness
- Wall Clip for Remote Control
- Installation Instructions
- 2 AAA Batteries (for transmitter)

## 4. PRODUCT OVERVIEW

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The Skytech RCT-MLT-IV system consists of a handheld remote control (transmitter) and a receiver unit. The remote allows for convenient control of your fireplace, while the receiver connects directly to your fireplace's valve system.



**Figure 1:** The complete Skytech RCT-MLT-IV system. This image displays the receiver unit with its power cord and wiring terminals on the left, the handheld remote control with its LCD screen on the right, and various wires, connectors, screws, and batteries laid out on a white background.

### 4.1 Receiver Unit

The receiver unit is designed to be installed near your fireplace, typically underneath it behind an access panel. It plugs into a standard 110-120 VAC outlet and features a terminal block for connecting to your fireplace's valve system.



**Figure 2:** Close-up view of the receiver unit's terminal block. Labels indicate connections for 'OFF', 'REMOTE', 'ON', 'GROUND', 'VALVE', and 'FLAME CONTROL', which are essential for proper installation and operation.

## 4.2 Remote Control (Transmitter)

The handheld remote control features a 7-button interface and an LCD screen that displays important information such as room temperature, thermostat set temperature, a 24-hour clock, and a 9-hour countdown timer.



**Figure 3:** The handheld remote control. The LCD screen shows 'THERMO', a room temperature of '59', a set temperature of '65', and the current time '12:29'. Icons for fan and flame are also visible, along with the 'MODE' button at the bottom.

## 5. SETUP AND INSTALLATION

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Installation of this remote control system involves electrical wiring and connection to a gas appliance. It is strongly recommended that installation be performed by a qualified service technician.

1. **Prepare the Fireplace:** Ensure the fireplace appliance is completely off and cool. Disconnect the main power supply to the fireplace.
2. **Install Receiver:** The receiver unit should be placed in a location where it is protected from extreme heat and moisture, typically within the fireplace's control area or behind an access panel. Plug the receiver into a standard 110-120 VAC outlet.
3. **Wire the Receiver:** Connect the receiver to your fireplace's gas valve system using the provided wiring harness. Refer to your fireplace appliance's manual for specific wiring diagrams. The receiver has terminals labeled 'OFF', 'REMOTE', 'ON', 'GROUND', 'VALVE', and 'FLAME CONTROL'. Ensure all connections are secure and correct.
4. **Install Batteries in Transmitter:** Open the battery compartment on the back of the remote control and insert the two AAA batteries, observing correct polarity.
5. **Match Security Codes:** The remote receiver's code must be matched to that of the transmitter. Follow the specific instructions provided in the included installation guide for the code learning procedure. This typically involves pressing a 'LEARN' button on the receiver and then a button on the transmitter within a short timeframe.
6. **Test System:** Once installation is complete and codes are matched, restore power to the fireplace and

test the remote control's functions.

## 6. OPERATING INSTRUCTIONS

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The RCT-MLT-IV remote control offers both manual and thermostatic operation modes.

### 6.1 Basic Controls

- **ON/OFF:** Press the appropriate button to turn the fireplace on or off.
- **MODE:** Cycles through different operating modes (e.g., Manual, Thermostatic).
- **SET:** Used to adjust temperature settings or timer.
- **UP/DOWN Arrows:** Adjust temperature, time, or other settings.

### 6.2 LCD Display Information

The LCD screen provides real-time information:

- **Room Temperature:** Displays the current ambient temperature.
- **Set Temperature:** Shows the desired temperature in thermostatic mode.
- **24-Hour Clock:** Displays the current time.
- **9-Hour Countdown Timer:** Allows for timed operation.
- **Flame Height Indicator:** Shows the current flame intensity.
- **Fan Speed Indicator:** Displays the current fan speed, if applicable to your fireplace.

### 6.3 Operating Modes

- **Manual Operation:** The fireplace turns on or off directly via the remote's ON/OFF buttons, regardless of temperature.
- **Thermostatic Operation:** The fireplace will automatically turn on or off to maintain the set temperature. Use the UP/DOWN arrows to adjust the desired temperature.

## 7. MAINTENANCE

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### 7.1 Battery Replacement

The remote control requires two AAA batteries. When the battery indicator on the LCD screen is low, replace both batteries simultaneously. Ensure correct polarity when inserting new batteries.

### 7.2 Cleaning

Wipe the remote control and receiver with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.

## 8. TROUBLESHOOTING

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- **System Not Responding:**
  - Check batteries in the remote control and replace if necessary.
  - Ensure the receiver is properly plugged into a 110-120 VAC outlet and receiving power.
  - Verify that the security codes between the transmitter and receiver are matched. If unsure, repeat

the code learning procedure.

- Ensure the remote is within the 20-foot operating range of the receiver.

• **Fireplace Not Igniting:**

- Check all wiring connections between the receiver and the fireplace valve system for looseness or corrosion.
- Consult your fireplace appliance's manual for troubleshooting its ignition system.

• **Inaccurate Temperature Readings:**

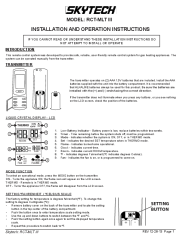
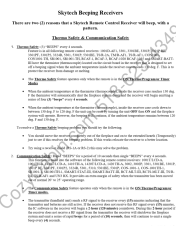
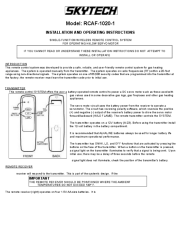

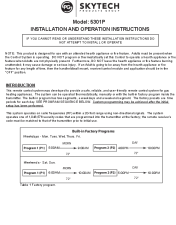
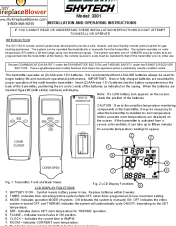
- Ensure the remote control is not placed near heat sources or in direct sunlight, which can affect its temperature sensor.

**9. SPECIFICATIONS**

Feature	Specification
Model Number	RCT-MLT-IV (Item Model: 9800543)
Product Dimensions	7 x 7 x 4 inches; 1 Pound
Power Source (Receiver)	110-120 VAC
Power Source (Transmitter)	2 AAA batteries (included)
Wireless Range	Up to 20 feet (RF, non-directional)
Compatible Devices	Fireplace with Heat N Glow and Robertshaw Valve Systems
Special Feature	Ergonomic design
Color	Black

**10. WARRANTY AND SUPPORT**

For warranty information or technical support, please contact Skytech customer service directly. Refer to the packaging or the official Skytech website for the most current contact details. Keep your proof of purchase for warranty claims.

	<p><a href="#">Skytech RCT-MLT III Installation and Operation Instructions</a></p> <p>Comprehensive guide for installing and operating the Skytech RCT-MLT III remote control system for gas heating appliances. Covers setup, functions, troubleshooting, FCC requirements, and warranty information.</p>
	<p><a href="#">Skytech Beeping Receivers: Understanding Thermo Safety and Communication Safety</a></p> <p>Learn why Skytech remote control receivers beep, focusing on Thermo Safety and Communication Safety features. Includes troubleshooting tips and compatible models.</p>
	<p><a href="#">Skytech RCAF-1020-1 Wireless Remote Control System: Installation, Operation, and Warranty</a></p> <p>User manual for the Skytech RCAF-1020-1 single-function wireless remote control system for gas heating appliances. Covers installation, operation, functions, troubleshooting, specifications, FCC requirements, limited lifetime warranty, and a special offer.</p>
	<p><a href="#">Skytech 5310 Gas Fireplace Remote Control System: Installation and Operating Instructions</a></p> <p>Comprehensive guide for installing and operating the Skytech 5310 remote control system for gas heating appliances, covering setup, functions, safety features, troubleshooting, and warranty.</p>
	<p><a href="#">Skytech 5301P Fireplace Remote Control System: Installation &amp; Operation Guide</a></p> <p>This guide provides comprehensive instructions for installing, operating, and troubleshooting the Skytech 5301P remote control system for gas fireplaces. Learn about transmitter functions, receiver setup, wiring, thermostat and program modes, safety features, and warranty information.</p>
	<p><a href="#">Skytech 3301 Fireplace Remote Control: Installation and Operating Instructions</a></p> <p>Comprehensive guide to installing and operating the Skytech 3301 remote control system for gas fireplaces, covering setup, functions, safety features, and troubleshooting.</p>

