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GREE XK-60

Gree XK-60 Wired Programmable Controller User Manual

For U-Match Systems

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Gree XK-60 Wired Programmable Controller. This controller is designed to interface with Gree U-Match air conditioning systems, offering precise control over your indoor climate. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

PRODUCT OVERVIEW

The Gree XK-60 is a wired, programmable controller featuring a backlit LCD display and intuitive button controls. It allows users to manage various functions of their U-Match system, including operating modes, temperature settings, fan speeds, and programmable timers.



Image Description: A front view of the Gree XK-60 wired programmable controller. The controller is white with a blue backlit LCD screen at the top. Below the screen are eight circular white buttons arranged in two rows of four. Text labels are printed below each button or pair of buttons. The GREE logo is centered between the screen and the buttons. The screen displays various icons for operating modes, fan speed, temperature, and timer settings.

SAFETY INFORMATION

- Installation must be performed by a qualified and licensed HVAC technician.
- Disconnect all power to the indoor and outdoor units before performing any wiring or maintenance.
- Ensure all wiring connections comply with local and national electrical codes.
- Do not attempt to repair or modify the controller yourself. Contact qualified service personnel.
- Keep the controller away from water and excessive humidity.

INSTALLATION AND SETUP

Mounting the Controller

The XK-60 controller is designed for wall mounting. Choose a location that is easily accessible, away from direct sunlight, heat sources, and drafts, which could affect temperature readings.

Wiring Instructions

The controller connects to the indoor unit via a wired connection.

1. Turn off the main power supply to the U-Match system.
2. Open the wiring cover on the indoor unit and locate the control terminal block.
3. Connect the communication wires from the XK-60 controller to the designated terminals on the indoor unit's control board. Refer to the U-Match system's indoor unit installation manual for specific wiring diagrams.
4. Ensure all connections are secure and correctly polarized.
5. Close the wiring cover and restore power to the system.

Note: Incorrect wiring can damage the controller or the U-Match system. If you are unsure, consult a professional technician.

OPERATING INSTRUCTIONS

The Gree XK-60 controller features an LCD display and eight control buttons.

Button Functions

- **Enter/Cancel:** Confirms selections or cancels current operations.
- **Up Arrow (▲):** Increases temperature, fan speed, or navigates menu options upwards.
- **Down Arrow (▼):** Decreases temperature, fan speed, or navigates menu options downwards.
- **Function:** Accesses advanced settings or special functions.
- **Fan:** Adjusts the fan speed (Auto, Low, Medium, High).
- **Timer:** Sets the On/Off timer.
- **Mode:** Cycles through operating modes (Auto, Cool, Dry, Heat, Fan).
- **On/Off:** Powers the unit on or off.

LCD Display Indicators

- **Temperature Display:** Shows the current room temperature or set temperature in °F or °C.
- **Operating Mode Icons:**
 - Sun (Heat)
 - Snowflake (Cool)
 - Water Drop (Dry)
 - Fan Blade (Fan Only)
 - Auto (Automatic mode)
- **Fan Speed Indicator:** Bar graph or specific icon showing current fan speed.
- **Timer Indicator:** "HOUR ON OFF" with numerical display for programmed times.
- **Special Function Indicators:** "SHIELD", "MEMORY", "MASTER", "SAVE", "E-HEATER", "BLOW", "CO2", "QUIET" indicate active special features.

Basic Operation

1. **Power On/Off:** Press the **On/Off** button to turn the system on or off.
2. **Select Mode:** Press the **Mode** button repeatedly to cycle through available operating modes (Auto, Cool, Dry, Heat, Fan).
3. **Set Temperature:** In Cool or Heat mode, use the **Up Arrow (▲)** or **Down Arrow (▼)** buttons to adjust the desired temperature.
4. **Adjust Fan Speed:** Press the **Fan** button repeatedly to select the desired fan speed (Auto, Low,

Medium, High).

5. **Set Timer:** Press the **Timer** button to enter timer setting mode. Use the **Up Arrow (▲)** or **Down Arrow (▼)** buttons to set the desired ON or OFF time, then press **Enter/Cancel** to confirm.

Advanced Functions

To access advanced functions like "SHIELD" or "QUIET" mode, press the **Function** button. Use the arrow buttons to navigate through options and **Enter/Cancel** to select or confirm. Refer to the U-Match system's specific feature documentation for detailed explanations of each advanced function.

MAINTENANCE

Cleaning the Controller

- Wipe the surface of the controller with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the plastic and electronic components.
- Ensure no liquid enters the controller casing.

System Filter Maintenance

While the controller itself does not require filter maintenance, regular cleaning or replacement of the U-Match indoor unit's air filters is crucial for optimal system performance and air quality. Refer to your U-Match indoor unit manual for filter maintenance instructions.

TROUBLESHOOTING

If you encounter issues with your Gree XK-60 controller, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Controller display is blank.	No power to the unit or controller.	Check the main power supply to the U-Match system. Ensure wiring connections are secure.
Controller not responding to button presses.	Temporary software glitch or communication error.	Turn off power to the system for a few minutes, then restore power. If the issue persists, check wiring.
Incorrect temperature reading.	Controller located near a heat source or draft.	Relocate the controller if possible, or ensure no external factors are influencing the sensor.
System not operating in selected mode.	Communication error with indoor unit or system fault.	Check for error codes on the indoor unit. Consult a qualified technician if the problem persists.

For complex issues or error codes not listed, contact a qualified HVAC technician or Gree customer support.

SPECIFICATIONS

- **Model:** Gree XK-60
- **Control Type:** Wired Programmable Controller
- **Compatibility:** Gree U-Match Systems
- **Voltage:** 230 Volts

- **Special Feature:** Programmable, Backlight
- **Control Method:** Button Control
- **Package Dimensions:** Approximately 13.62 x 1.54 x 0.98 inches
- **Item Weight:** Approximately 6.7 ounces

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your Gree U-Match system or contact Gree customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Gree Customer Support: Visit the official Gree website or contact your local distributor for support.