

GREE MC20700140

GREE MC20700140 Wired Controller User Manual

For Multi-Zone Non-Wall Mount Units

1. PRODUCT OVERVIEW

The GREE MC20700140 Wired Controller is designed for managing multi-zone ductless HVAC systems. It features a fully lit large LCD display and push buttons for easy operation. This controller allows users to adjust fan speeds, set precise room temperatures, and utilize various operational modes to optimize comfort and energy efficiency. Key features include a timer mode for scheduled operation, a sleep mode for energy savings during rest, a turbo mode for rapid temperature changes, and an X-Fan function to prevent moisture buildup. The controller also includes a privacy lock feature to prevent unauthorized setting changes and stores settings in non-volatile memory in case of power loss. It supports both Fahrenheit and Celsius display modes and provides error codes for troubleshooting.

2. SETUP AND INSTALLATION

The GREE MC20700140 Wired Controller is designed for straightforward installation. It can be mounted flush on a wall or using a standard electrical box. The package includes keyed connectors and a 26-foot cable for connection to the indoor unit.

2.1 Mounting Options

- **Flush Wall Mount:** Secure the controller directly to the wall surface.
- **Electrical Box Mount:** Install the controller using a standard electrical box for a recessed finish.

2.2 Wiring Connection

Connect the controller to the indoor unit using the provided 26-foot cable and keyed connectors. Ensure all connections are secure before powering on the system.

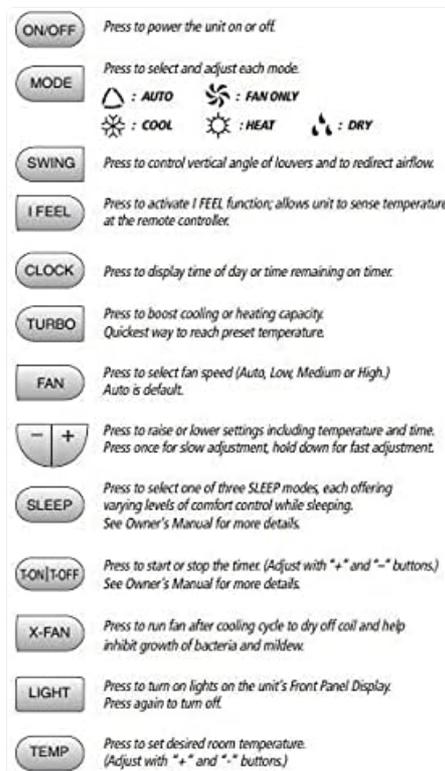


Figure 1: GREE MC20700140 Wired Controller. This image displays the front view of the wired controller, showing its LCD screen and button layout.

2.3 Compatibility

The XK-19 series controller (MC20700140) is compatible with various multi-zone indoor units. Refer to the compatibility chart below to ensure your unit is supported.

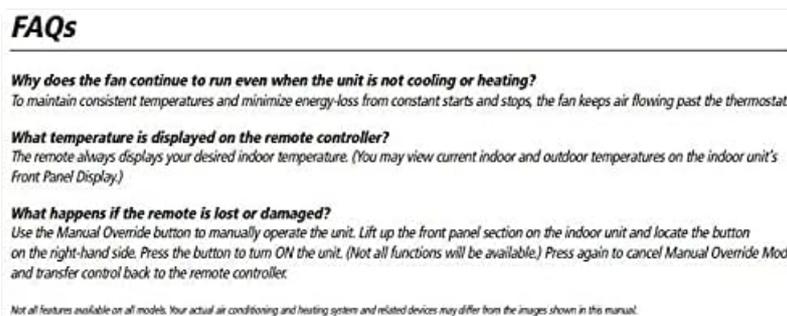


Figure 2: GREE Tether Wired Controller Compatibility Chart. This chart lists the XK-19 series (MC20700140) and its compatibility with multi-zone cassette, multi-slim duct, and multi-floor/ceiling units.

3. OPERATING INSTRUCTIONS

The wired controller provides comprehensive control over your HVAC system. Upon powering on, the unit will resume operation with the last saved settings.

3.1 Button Functions



Figure 3: GREE Wired Controller Button Functions. This image illustrates each button on the controller and its primary function.

- **ON/OFF:** Press to power the unit on or off.
- **MODE:** Press to select and adjust each operating mode: Auto, Cool, Heat, Dry, Fan Only.
- **SWING:** Press to control the vertical angle of the louvers and redirect airflow.
- **I FEEL:** Press to activate the I FEEL function, allowing the unit to sense temperature at the controller's location.
- **CLOCK:** Press to display the current time or remaining timer duration.
- **TURBO:** Press to boost cooling or heating capacity for rapid temperature changes.
- **FAN:** Press to select fan speed (Auto, Low, Medium, High). Auto is the default setting.
- **+/- Buttons:** Press to raise or lower settings, including temperature. Press once for slow adjustment, hold down for fast adjustment.
- **SLEEP:** Press to select one of three sleep modes, which adjust room temperature during sleep for comfort and energy savings. Refer to the owner's manual for more details.
- **T-ON/T-OFF:** Press to start or stop the timer. Adjust with the "+" and "-" buttons. Refer to the owner's manual for more details.
- **X-FAN:** Press to run the fan after the cooling cycle to dry off the coil, helping to inhibit bacteria and mildew

growth.

- **LIGHT:** Press to turn on lights on the unit's Front Panel Display. Press again to turn off.
- **TEMP:** Press to set the desired room temperature. Adjust with the "+" and "-" buttons.

3.2 Key Features and Functions

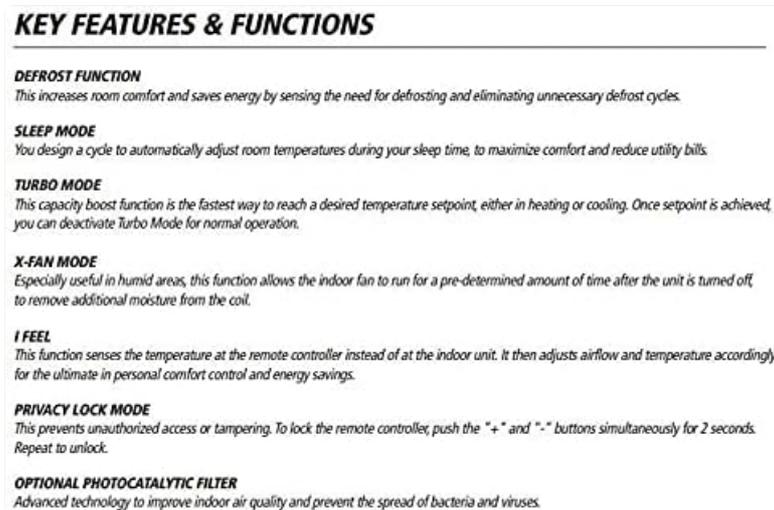


Figure 4: GREE Wired Controller Key Features and Functions. This image details advanced operational modes and settings.

- **DEFROST FUNCTION:** Increases room comfort and saves energy by sensing the need for defrosting and eliminating unnecessary defrost cycles.
- **SLEEP MODE:** Automatically adjusts room temperatures during sleep time to maximize comfort and reduce energy consumption.
- **TURBO MODE:** A boost function to quickly reach a desired temperature setpoint for heating or cooling. Once the setpoint is achieved, Turbo Mode can be deactivated for normal operation.
- **X-FAN MODE:** Especially useful in humid areas, this function allows the indoor fan to run for a predetermined amount of time after the unit is turned off to remove additional moisture from the coil.
- **I FEEL:** This function senses the temperature at the remote controller instead of at the indoor unit. It then adjusts airflow and temperature accordingly for optimal personal comfort and energy savings.
- **PRIVACY LOCK MODE:** Prevents unauthorized access or tampering with the system's settings. To lock the controller, push the "+" and "-" buttons simultaneously for 2 seconds. Repeat to unlock.
- **OPTIONAL PHOTOCATALYTIC FILTER:** Advanced technology to improve indoor air quality and prevent the spread of bacteria and viruses.

4. MAINTENANCE

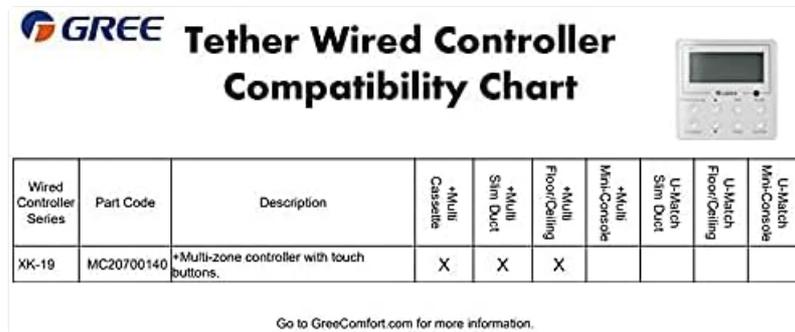
Regular maintenance ensures optimal performance and longevity of your HVAC system. The X-Fan function is a key feature for maintaining indoor unit hygiene.

- **X-Fan Function:** Utilize the X-Fan function to remove moisture from the indoor coil when the system is turned off. This helps prevent the growth of mold, bacteria, and mildew, keeping your indoor coil and fan clean.
- **Filter Cleaning:** Periodically clean or replace the air filters in your indoor unit as per your HVAC system's specific instructions.
- **Controller Cleaning:** Wipe the surface of the wired controller with a soft, dry cloth. Do not use abrasive cleaners or solvents.

5. TROUBLESHOOTING

The system constantly monitors operating conditions for errors and malfunctions. If issues arise, the controller will display status codes to assist with troubleshooting and repair.

5.1 Frequently Asked Questions (FAQs)



The image shows a compatibility chart for the GREE Tether Wired Controller. It includes a small image of the controller device. The chart lists various controller series and their compatibility with different indoor unit types. The only entry shown is for the XK-19 series, which is compatible with Multi-Cassette, Multi-Slim Duct, and Multi-Floor/Ceiling units.

Wired Controller Series	Part Code	Description	*Multi-Cassette	*Multi-Slim Duct	*Multi-Floor/Ceiling	*Multi-Mini-Cassette	U-Match Slim Duct	U-Match Floor/Ceiling	U-Match Mini-Cassette
XK-19	MC20700140	*Multi-zone controller with touch buttons.	X	X	X				

Go to GreeComfort.com for more information.

Figure 5: GREE Wired Controller Frequently Asked Questions. This image provides answers to common operational questions.

- **Why does the fan continue to run even when the unit is not cooling or heating?**

To maintain consistent temperatures and minimize energy loss from constant starts and stops, the fan keeps air flowing past the thermostat.

- **What temperature is displayed on the remote controller?**

The remote always displays your desired indoor temperature. You may view current indoor and outdoor temperatures on the indoor unit's Front Panel Display.

- **What happens if the remote is lost or damaged?**

Use the Manual Override button to manually operate the unit. Lift up the front panel section on the indoor unit and locate the button on the right-hand side. Press the button to turn ON the unit. (Note: Not all functions will be available.) Press again to cancel Manual Override Mode and transfer control back to the remote controller.

Note: Not all features are available on all models. Your actual air conditioning and heating system and related devices may differ from the images shown in this manual.

6. SPECIFICATIONS

Attribute	Detail
Brand	GREE
Model Number	MC20700140
Control Type	Button Control
Control Method	Remote (Wired)
Style	Modern
Backlight	Yes
UPC	813919029945
ASIN	B06Y5R8XRF
Manufacturer	Gree Electric Appliances
Batteries Required	No

