



# Wired Controller XK60

Owner's Manual

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Commercial Air Conditioners



Thank you for choosing our commercial air conditioners. Please read this owner's manual carefully before operation and retain it for future reference.

This owner's manual is subject to change without prior notice for product improvement. GREE Electric Appliances, Inc. of Zhuhai reserves the final right to interpret this manual.

## User Notice

 Please carefully read this manual before installation operation.

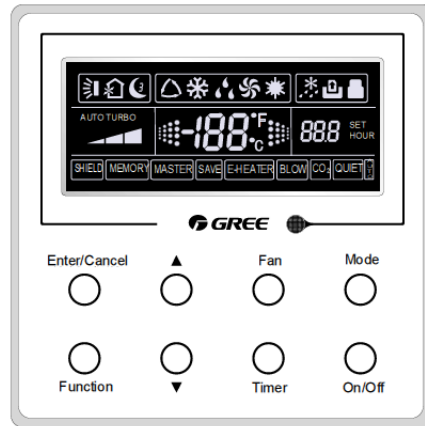
- ◆ Thanks for choosing GREE duct type air conditioners. Please read this manual carefully before operating this product and keep it for future reference. In addition, please observe the following Notes:

 <b>WARNING!</b>	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
 <b>CAUTION!</b>	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

### CAUTION!

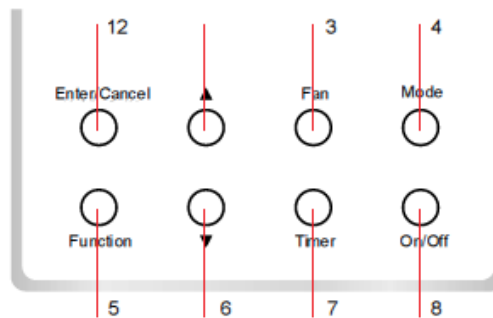
- (1). Do not install the wired controller in the damp place or under direct sunlight.
- (2). Do not drop, toss, or frequently assemble/disassemble the wired controller.
- (3). Do not operate the wired controller with wet hands and keep dry at all times.
- (4). Do not install or remove the wired controller by yourself. If necessary, please contact a trained service technician.
- (5). This wired controller is applicable to various kinds of air conditioners, while some specific functions are unavailable to the duct type air conditioners will not be described in this manual.
- (6). Before operating the air conditioner, please read this manual carefully and keep it for future reference.

# OVERVIEW OF WIRED CONTROLLER



## XK60 Tether Wired Controller

### Wired Controller Button Description

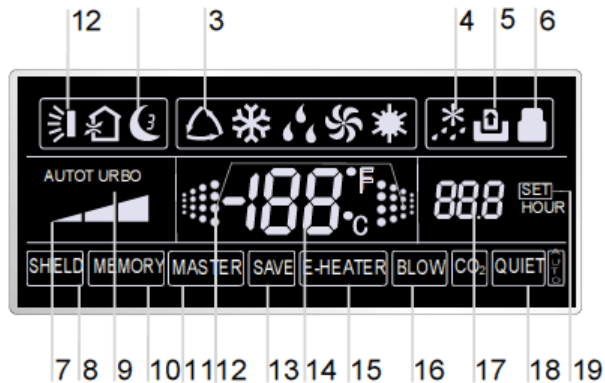


Button	Button Name	Function
1	Enter/Cancel	Function selection and cancellation.
2	▲	Adjust room setpoint temperature (61 ~ 81°F / 16 ~ 30°C range).
6	▼	Or adjust Timer & Sleep setting, (0.5-24 hr. range)
3	Fan	Set Fan Speed (High, Medium, Low & Auto)
4	Mode	Set Operating Mode (Cooling, Heating, Dry, Fan Only and Auto mode)
5	Function	Press to select Timer, Sleep Turbo & X-Fan, functions
7	Timer	Set Timer Mode.
8	On/Off	Turn on/off the unit.



# OVERVIEW OF WIRED CONTROLLER

## Wired Controller LCD Display



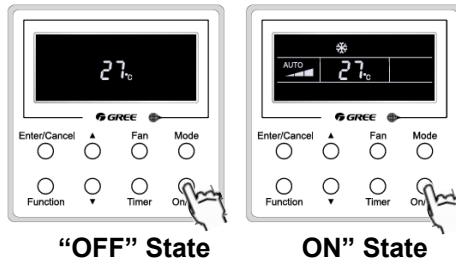
No.	Symbols	Description
1		Swing function
2		Sleep Mode function
3		Running modes (Heating Cooling, Dry, and Fan Only).
4		Defrosting function for the outdoor unit.
5	Not Available	Function not available
6		Keyboard Lock function.
7		Fan Speed (High, Medium, Low or Auto fan speed)
8	Not Available	Function not available
9	TURBO	Turbo Mode function.
10	MEMORY	Power Failure Recovery
11	Not Available	Function not available
12	Not Available	Function not available
13	Not Avail.	Function not available
14	18.8	Room Ambient/Setpoint temperature value.
15	Not Avail	Function not available
16		X-Fan Mode function.
17	88.8	Timer Mode value.

# OPERATION OF WIRED CONTROLLER

## Operation Instructions

### On/Off

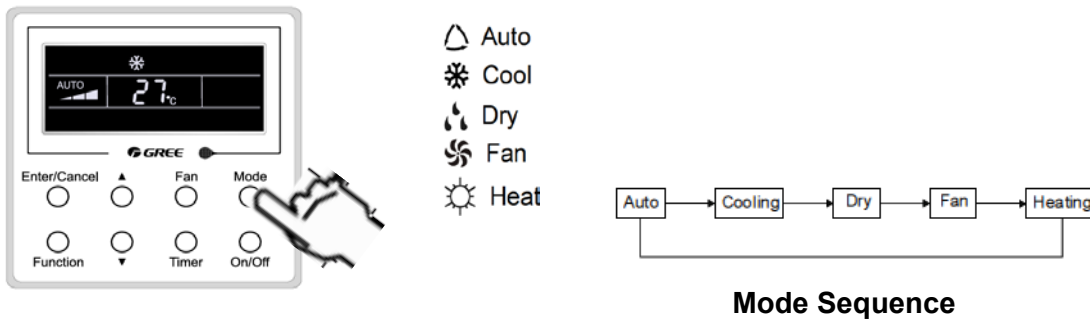
Press **On/Off** to turn on the unit and press again to turn it off.



### Mode Setting

The system can be put in Auto, Cooling, Dry, Heating or Fan Only operating mode.

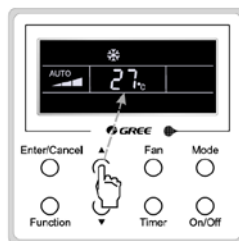
Select an operating mode, press the **Mode** button until the desired operating mode symbol appears on the display.



### Temperature Setting

In the Cooling, Dry, Fan Only or Heating mode, press ▲ or ▼ to increase/decrease the room setpoint temperature. The room temperature range is 61 °F - 86 °F (16°C- 30°C ).

In the **Auto mode**, the unit will automatically selecting heat or cooling to maintain room setpoints. The Heating setpoint is fixed at 82 °F (28°C) and the Cooling and Dry setpoint is fixed at 77 °F (25°C). Neither can be adjusted.



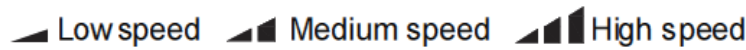
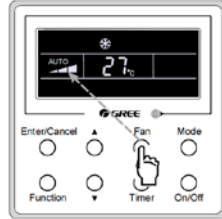
Press ▲ or ▼ to increase/decrease the room setpoint



# OPERATION OF WIRED CONTROLLER

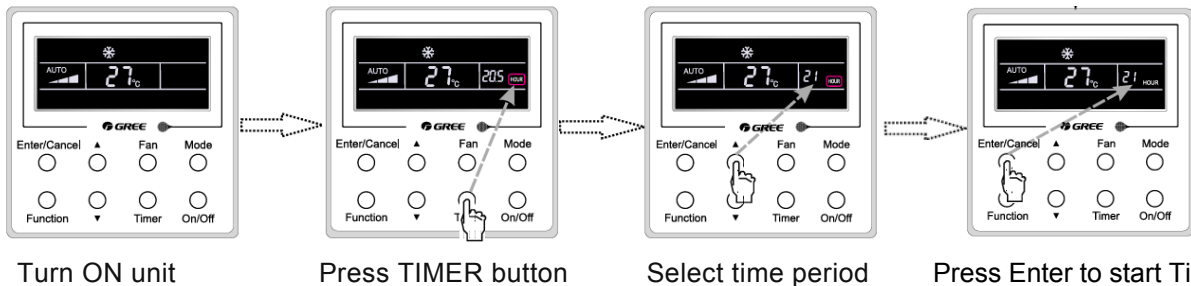
## Setting Fan Speed

Press **Fan** button to change fan speed of the indoor unit. The fan speeds will change circularly as shown above.



## Setting Timer Mode

To set the **Timer ON Mode**, press **Timer** button and the LCD display will blink "xx.x hour". Press the **▲** or **▼** buttons to adjust the timing period between 0.5 to 24-hrs. Then press **Enter** to confirm the settings. The system timer will start counting down and turn OFF or ON when time expires.



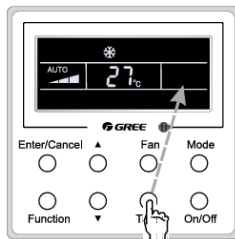
Turn ON unit

Press TIMER button

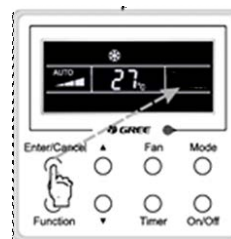
Select time period

Press Enter to start Timer

To cancel **Timer Mode**, Press Timer Button.



Press Timer button



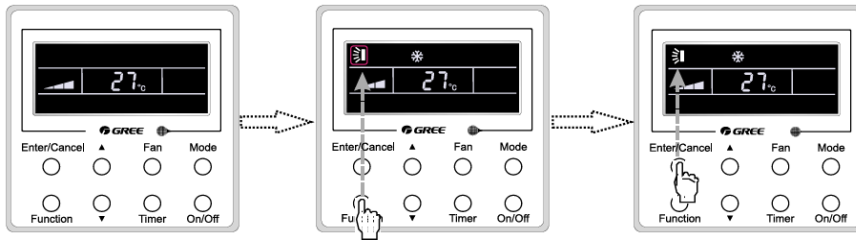
Press Cancel to stop Timer



# OPERATION OF WIRED CONTROLLER

## Setting Swing Louver

To turn ON the Swing Louvers, press the **Function** button. The swing louver symbol  will start blinking. Press the **Enter** button to confirm.



To start - Turn ON unit    Press FUNCTION button    Press ENTER button to confirm

To turn OFF the Swing Louvers, press the **Function** button. The swing louver symbol  will start blinking. Press the **Cancel** button to confirm.



To cancel- Press FUNCTION button

Press CANCEL button to Stop Swing Louver



# OPERATION OF WIRED CONTROLLER

## Setting Sleep Mode

The unit will automatically adjust room temperature during your sleep time. This slight change in temperature will not affect your comfort level due to the natural effects that sleeping has on the body, but it will save on energy consumption and will lower your electric bill.


### In Cool or Dry modes:

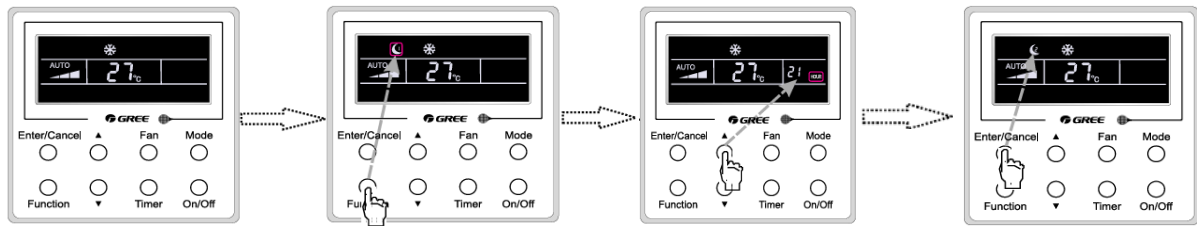
The unit will run at current room setpoint for 1 hour. After 1 hour, the setpoint will increase by 2° F.

After 2 hours, the setpoint will increase by 4° F and maintain this setpoint until Sleep Mode is cancelled.

### In Heat mode:

The unit will run at current room setpoint for 1 hour. After 1 hour, the setpoint will decrease by 2° F. After 2 hours, the setpoint will decrease by 4° F and maintain this setpoint until Sleep Mode is cancelled.

To start **Sleep Mode**, turn the system **ON** and press the **Function** button until the Sleep icon  appears on the display and the “xx.x hour” will start blinking. Press the **▲** or **▼** buttons to adjust the timing period between 0.5 to 24-hrs. Then press **Enter** to confirm the settings.




To start - Turn ON unit

Press FUNCTION button

Press the ▲ or ▼

Press ENTER button to confirm

To cancel **Sleep Mode**, press the **Function** button until the Sleep icon  starts blinking. Then, press the **Cancel** button.




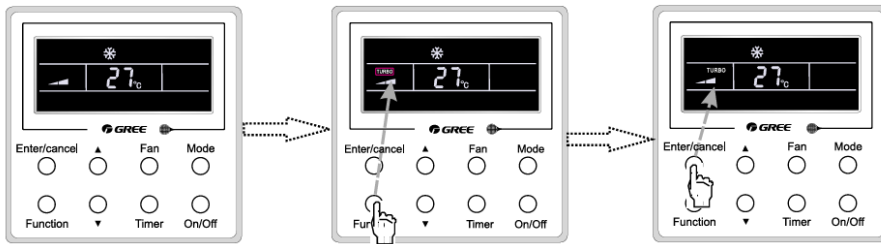


# OPERATION OF WIRED CONTROLLER


## Turbo Setting

The desired room setpoint, either in heating or cooling, can be achieved faster in **TURBO** mode. The unit will run at ultra-high speed fan until room setpoint is satisfied.

In the Cooling or Heating mode, press **Function** button until the Turbo symbol  will start blinking. Press the **Enter** button to confirm.



To start - Turn ON unit    Press FUNCTION button    Press ENTER button to confirm

To cancel **Turbo Mode**, press the **Function** button until the Turbo icon  starts blinking. Then, press the **Cancel** button.



Press Timer button

Press Cancel to stop Turbo

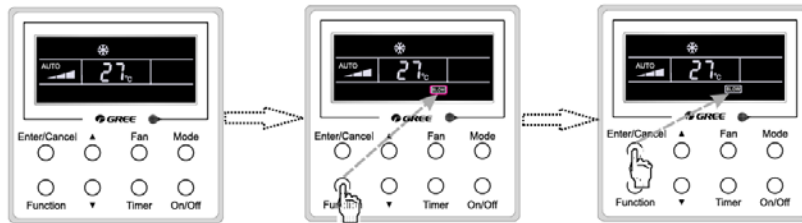


# OPERATION OF WIRED CONTROLLER

## Setting X-Fan Mode

After turning **OFF** the system, the indoor fan will continue to run for 10 minutes at low speed to evaporate excess moisture on indoor coil.

In the Cooling or Dry, press **Function** button until the **X-Fan** symbol **BLOW** will start blinking. Press the **Enter** button to confirm.



To start - Turn ON unit Press FUNCTION button Press ENTER button to confirm

To cancel **X-Fan Mode**, press the **Function** button until the **X-Fan** icon **BLOW** starts blinking. Then, press the **Cancel** button.



Press FUNCTION button

Press Cancel to stop X-Fan




# OPERATION OF WIRED CONTROLLER


## Setup Modes

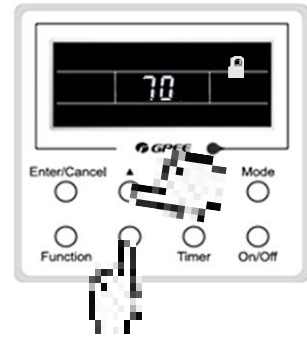
The system has three (3) special setup modes to customize the unit to the installation.

### Keyboard Lock

The Locking Keypad prevents unauthorized access to the heating and cooling controls.

To lock the keypad on the wired controller, the unit must be in the "Off" state. Press **▲** and **▼** buttons at the same time for 5s. The **Keypad Lock** icon  will be display to signal the keypad is locked.

To unlock the keypad, press **▲** and **▼** buttons at the same time for 5s. The Keypad Lock icon  will disappear from the display to signal the keypad is unlocked.



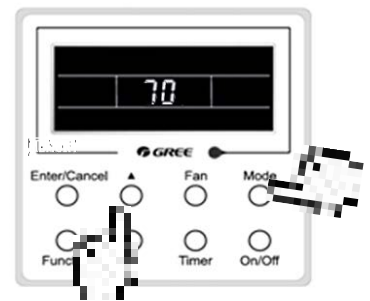
### Failure Recovery Power Mode

The system can be configured to resumes the original settings or be placed in Off Mode after power failure.

To activate the **Power Failure Recovery Mode**, the unit must be in the "Off" State. Press **Mode** and **▲** buttons at the same time for 5s. The Power Failure Recovery display icon **MEMORY** will be display.

To deactivate **Power Failure Recovery Mode**, press **Mode** and **▲** buttons at the same time for 5s. The Power Failure Recovery display icon **MEMORY** will disappear from the display.

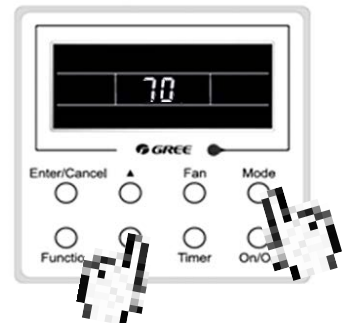
The unit will power up in **Off Mode** as the default setting from the factory.



### Fahrenheit or Celsius Display

The wired controller LCD display may display temperatures Fahrenheit or Celsius.

To set the Fahrenheit or Celsius Temperature display, the unit must be in the "Off" State. Press **Mode** and **▼Timer** buttons at the same time for 5s. The display will toggle between Celsius and Fahrenheit scales. Press Enter to save.



# OPERATION OF WIRED CONTROLLER

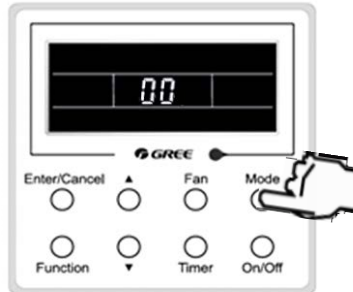
## Temperature Display Mode

The wired controller LCD display may display either room temperature sensed at the system, room temperature sensed at the wired controller, or return air temperature sensed at the indoor unit.

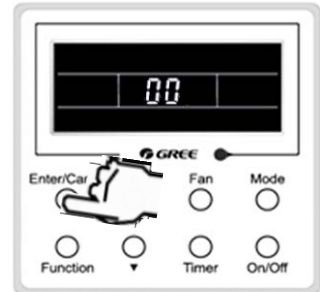
To set the temperature display, the unit must be in the “Off” State. Press **Function** and **Timer** buttons at the same time for 5s. The temperature display will show **00**. Press the Mode button to select the Display Code for the desired temperature display. Press **Enter** to save the section.



Press the Function & Timer Buttons



Select with Mode Button Press



Enter button to save.

Display Code	Temperature Display Mode
01	Return air temperature sensed at the return air inlet.
02	Indoor ambient temperature sensed at the wired controller.
03	Return air temperature sensed at the return air inlet during Cooling, Dry and Fan modes. And display the indoor ambient temperature sensed at the wired controller during Heating & Auto modes.
04	Indoor ambient temperature sensed at the wired controller during Cooling, Dry and Fan Only modes. And return air temperature sensed at the return air inlet during Heating & Auto modes.

Factory default setting is Display Code 03.

