AIR CONDITIONER REMOTE CONTROLLER (WIRELESS TYPE) UTY-LNHUM
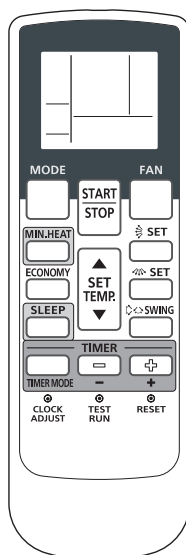
INSTALLATION MANUAL
For authorized service personnel only.

Contents

PART NO. 9371972084-02

1. SAFETY PRECAUTIONS

• Let the customer keep this installation manual because it is needed when the air conditioner or remote controller is serviced or moved.

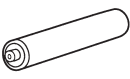| ⚠ WARNING	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.

• For the air conditioner to operate satisfactorily, install it as outlined in this installation manual.

• Do not turn on the power until all installation work is complete.

⚠ CAUTION	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

• Do not install where there is the danger of combustible gas leakage.

• Do not install near heat sources, steam.

2. ACCESSORIES

Name and Shape	Q'ty	Application
Installation manual	1	This manual
Operating manual	1	Instruction book for operation
Battery	2	For remote controller
Tapping screw	2	For mounting the remote controller
Remote controller holder	1	For installing the remote controller holder installation

3. INSTALLING THE REMOTE CONTROLLER

3.1. Load batteries (R03/LR03 x 2)

(1) Press and slide the battery compartment lid on the reverse side to open it. Slide in the direction of the arrow while pressing the ▽ mark.
(2) Insert batteries. Be sure to align the battery polarities ($\oplus$/$\ominus$) correctly.
(3) Close the battery compartment lid.
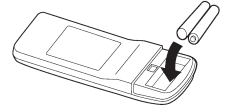
⚠ CAUTION
• Take care to prevent infants from accidentally swallowing batteries.
• When not using the Remote Controller for an extended period, remove the batteries to avoid possible leakage and damage to the unit.
• If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately wash with copious amounts of water, and consult your physician.
• Dead batteries should be removed immediately and disposed of properly, either in a battery collection receptacle or to the appropriate authority.
• Do not attempt to recharge dry batteries.

ℹ NOTES

• Never mix new and used batteries, or batteries of different types.
• Batteries should last about 1 year under normal use. If the Remote Controller's operating range becomes appreciably reduced, replace the batteries and press the RESET button with the tip of a ballpoint pen or other small object.

3.2. Installing the remote controller holder

⚠ CAUTION
• Check that the indoor unit correctly receives the signal from the remote controller, then install the remote controller holder.
• Select the remote controller holder selection site by paying careful attention to the following: Avoid places in direct sunlight. Select a place that will not be affected by the heat from a stove, etc.

1. REMOTE CONTROLLER HOLDER INSTALLATION

• Install the remote controller with a distance of 7 m between the remote controller and the remote control signal receiver as the criteria. However, when installing the remote controller, check that it operates positively.
• Install the remote controller holder to a wall, pillar, etc. with the tapping screw.

(1) Mount the holder.

Screws

(2) Set the remote controller.

Insert
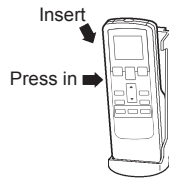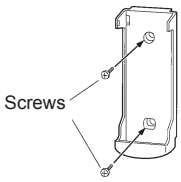
Press in ➡

(3) To remove the remote controller (when use at hand).

Slide up ⬆

Pull out ⬅

4. FUNCTION SETTING

Perform the "FUNCTION SETTING" according to the installation conditions using the remote controller.

Entering the function setting mode

• While pressing the FAN button and SET TEMP. (▲) simultaneously, press the RESET button to enter the function setting mode.

STEP 1

Selecting the remote controller signal code

Use the following steps to select the signal code of the remote controller. (Note that the air conditioner cannot receive a signal code if the air conditioner has not been set for the signal code.)

The signal codes that are set through this process are applicable only to the signals in the FUNCTION SETTING. For details on how to set the signal codes through the normal process, refer to 5. SELECTING THE REMOTE CONTROLLER SIGNAL CODE.
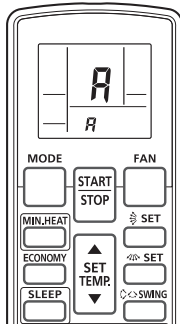
(1) Press the SET TEMP. (▲) (▼) button to change the signal code between $A \rightarrow b \rightarrow c \rightarrow d$.
   Match the code on the display to the air conditioner signal code. (initially set to A)
   (If the signal code does not need to be selected, press the MODE button and proceed to STEP 2.)

(2) Press the TIMER MODE button and check that the indoor unit can receive signals at the displayed signal code.

(3) Press the MODE button to accept the signal code, and proceed to STEP 2.

The air conditioner signal code is set to A prior to shipment. Contact your retailer to change the signal code.

The remote controller resets to signal code A when the batteries in the remote controller are replaced. If you use a signal code other than signal code A, reset the signal code after replacing the batteries.

If you do not know the air conditioner signal code setting, try each of the signal codes ($A \rightarrow b \rightarrow c \rightarrow d$) until you find the code which operates the air conditioner.


STEP 2

SELECTING THE FUNCTION NUMBER AND SETTING VALUE
Refer to the indoor unit installation manual for details on the function numbers and setting values.

Selecting the function number and setting value

(1) Press the SET TEMP. (▲) (▼) buttons to select the function number.
   (Press the MODE button to switch between the left and right digits.)
(2) Press the FAN button to proceed to setting the value.
   (Press the FAN button again to return to the function number selection.)
(3) Press the SET TEMP. (▲) (▼) buttons to select the setting value.
   (Press the MODE button to switch between the left and right digits.)
(4) Press the TIMER MODE button, and START/STOP button, in the order listed to confirm the settings.
(5) Press the RESET button to cancel the function setting mode.
(6) After completing the FUNCTION SETTING, be sure to turn off the power and turn it on again.

Function number

Setting value
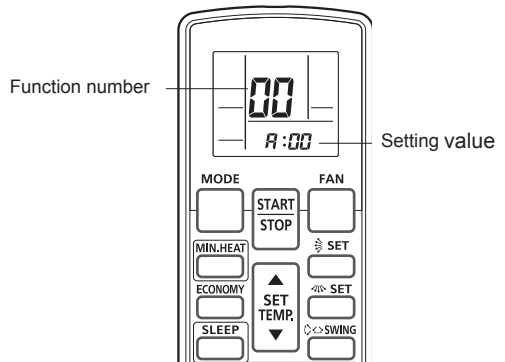
⚠ CAUTION

After turning off the power, wait 10 seconds or more before turning on it again.
The FUNCTION SETTING doesn't become effective if it doesn't do so.

Function details

	Functions	Function number	Compact cassette	Slim duct	Compact wall mounted	Wall mounted
1)	Filter sign	11	●	● *1	●	●
2)	Ceiling height	20	●	—	—	—
3)	Outlet directions	22	●	—	—	—
4)	Static pressure	—	—	●	—	—
5)	Cooler room temperature correction	30	●	●	●	●
6)	Heater room temperature correction	31	●	●	●	●
7)	Auto restart	40	●	●	●	●
8)	Indoor room temperature sensor switching function	42	●	●	●	●

9)	Remote controller signal code	44	●	●	●	●
10)	External input control	46	●	●	●	●
11)	Room temperature control switching	48	●	●	●	●

*1: It is effective only to install IR Receiver unit.

1) Filter sign

The indoor unit has a sign to inform the user that it is time to clean the filter. Select the time setting for the filter sign display interval in the table below according to the amount of dust or debris in the room. If you do not wish the filter sign to be displayed, select the setting value for "No indication".

(♦... Factory setting)

	Setting description	Function number	Setting value
	Standard		00
	Long interval	11	01
	Short interval		02
♦	No indication		03

The filter sign interval time is different according to Indoor unit type as follows.

Setting description	Compact Cassette	Slim Duct	Compact Wall Mounted	Wall Mounted
Standard	2,500 hours		400 hours	
Long interval	4,400 hours		1,000 hours	
Short interval	1,250 hours		200 hours	

● FILTER INDICATOR RESET

It lights on if the filter became dirty.
Clean the filter referring to "CLEANING AND CARE (indoor unit operating manual)".
After cleaning, press the MANUAL AUTO button (indoor unit) for 2 seconds or less on the indoor unit.

● Indicator Lamp

OPERATION or │ ▬

TIMER or ⏲ ⬭

ECONOMY or ⌂ –⬭–

–⬭–: Flashing (3 times)   ⬭ : OFF
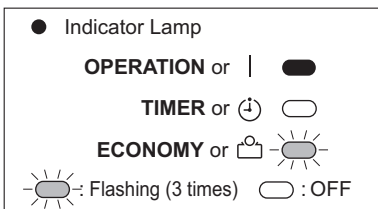
2) Ceiling height

Select the setting values in the table below according to the height of the ceiling.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	Standard (2.7m)	20	00
	High ceiling (3.0m)		01

3) Outlet directions

Select the setting values in the table below for using a 3-way outlet.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	4-way	22	00
	3-way		01

4) Static pressure

Select appropriate static pressure according to the installation conditions.
Please refer to the installation manual of each indoor unit for details.

5) Cooler room temperature correction

Depending on the installed environment, the room temperature sensor may require a correction.
The settings may be selected as shown in the table below.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	Standard		00
	Slightly Lower control	30	01
	Lower control		02
	Warmer control		03

6) Heater room temperature correction

Depending on the installed environment, the room temperature sensor may require a correction.
The settings may be changed as shown in the table below.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	Standard		00
	Lower control	31	01
	Slightly warmer control		02
	Warmer control		03

7) Auto restart

Enable or disable automatic system restart after a power outage.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	Yes	40	00
	No		01

* Auto restart is an emergency function such as for power failure etc.
  Do not start and stop the indoor unit by this function in normal operation.
  Be sure to operate by the controller, or external input device.

8) Indoor room temperature sensor switching function

(Only for Wired remote controller)
The following settings are needed when use the control by Wired remote controller temperature sensor.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	No	42	00
	Yes		01

* If setting value is "00" :
  Room temperature is controlled by the indoor unit temperature sensor.
* If setting value is "01" :

Room temperature is controlled by either indoor unit temperature sensor or remote controller unit sensor.

9) Remote controller signal code
Change the indoor unit Signal Code, depending on the remote controllers.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	A		00
	B	44	01
	C		02
	D		03

10) External input control
"Operation/Stop" mode or "Forced stop" mode can be selected.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	Operation/Stop mode		00
	(Setting forbidden)	46	01
	Forced stop mode		02

11) Room temperature control switching
(Only for Wired remote controller)
This setting is used to set the room temperature control method when the wired remote controller is selected by the Indoor Room Temperature Sensor Switching Function.

(♦... Factory setting)

	Setting description	Function number	Setting value
♦	Control by the sensors of both the indoor unit and the wired remote controller.	48	00
	Control only by the sensor of the wired remote controller		01

12) Setting record
Record any changes to the settings in the following table.

Setting Description	Setting Value
Filter sign	
Ceiling height	
Outlet directions	
Static pressure	
Cooler room temperature correction	
Heater room temperature correction	
Auto restart	
Indoor room temperature sensor switching function	
Remote controller signal code	
External input control	
Room temperature control switching	

After completing the FUNCTION SETTING, be sure to turn off the power and turn it on again.

## 5. SELECTING THE REMOTE CONTROLLER SIGNAL CODE

When two or more air conditioners are installed in a room and the remote controller is operating an air conditioner other than the one you wish to set, change the signal code of the remote controller to operate only the air conditioner you wish to set (4 selections possible).

When two or more air conditioners are installed in a room, please contact your retailer to set the individual air conditioner signal codes.

Selecting the remote controller signal code
Use the following steps to select the signal code of the remote controller. (Note that the air conditioner cannot receive a signal code if the air conditioner has not been set for the signal code.)
(1) Press the START/STOP button until only the clock is displayed on the remote controller display.
(2) Press the MODE button for at least 5 seconds to display the current signal code (initially set to A).
(3) Press the SET TEMP. (▲) (▼) button to change the signal code between $A→b→c→d$. Match the code on the display to the air conditioner signal code.
(4) Press the MODE button again to return to the clock display. The signal code will be changed.
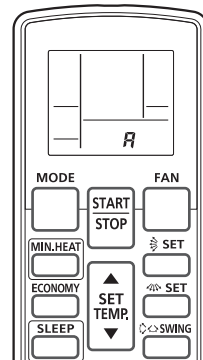
If no buttons are pressed within 30 seconds after the signal code is displayed, the system returns to the original clock display. In this case, start again from step 1.

The air conditioner signal code is set to A prior to shipment. Contact your retailer to change the signal code.

The remote controller resets to signal code A when the batteries in the remote controller are replaced. If you use a signal code other than signal code A, reset the signal code after replacing the batteries.
If you do not know the air conditioner signal code setting, try each of the signal codes ($A→b→c→d$) until you find the code which operates the air conditioner.

6. TEST OPERATION

The outdoor unit may not operate depending on the room temperature. In this case, press the test run button on the remote controller while the air conditioner is running. (Point the transmitter section of the remote controller toward the air conditioner and press the test run button with the tip of a ball-point pen, etc.)

Transmitter section

Test run button
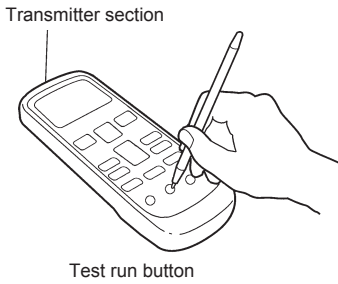
To end test operation, press the remote controller START/STOP button.