INTENSITY®
AIR CONDITIONING

REMOTE CONTROLLER

MODEL: CR01-VRF

2nd Generation VRF Remote Controller

OPERATION AND INSTALLATION MANUAL

Thank you for purchasing the remote controller.
This manual describes the safety precaution requirement of using this product.

*imágenes con fines ilustrativos

INTENSITY®

Thank you for purchasing this Intensity remote controller. Carefully read this OPERATION AND INSTALLATION MANUAL before using the controller. It will tell you how to use the controller properly and help you if any trouble occurs. After reading the manual, please keep it for future reference.

Contents

Installation 1
1. Installation Precautions 1
2. Installation Accessories 3
3. Dimensions of Remote Controller and Bracket 3
4. Installation and Fixing 4
5. Replace the Batteries 5
Operating the Remote Controller 7
1. Using Precautions 7
2. Model and Key Parameters 8
3. Button Names and Functions 9
4. Name and Function on Display Screen 11
5. Operating Methods 12
5.1 On/Off Operations 12
5.2 Mode and Temperature Operations 12
5.3 Fan Speed Operations 13
5.4 Soft Wind Operations 14
5.5 Vane Selection Operations 14
5.6 Swing Operation 14
5.7 IDU Display Operations 15
5.8 Silent Mode Operation 16
5.9 ECO Operations 16
5.10 Follow Me Operations 17
5.11 Timer On/Off Operations 17
5.12 Button Lock Operations 19
5.13 Auxiliary Heater Operations (reserved) 19
Field Settings 20
Parameter Configuration for Remote Controller 20

Installation

1. Installation Precautions

Safety Considerations

Please read this "Safety Considerations" carefully before installing Controller and be sure to install it correctly. After completing the installation, make sure the controller operates properly.

Please instruct the customer how to operate the controller and how to perform maintenance.

Meaning of Caution Symbols

Failure to observe these instructions properly may result in property damage or personal injury.

Information classified as **NOTE** contains instructions to ensure proper use of the controller.

- Ensure that nothing interrupts operation of the wireless remote controller.
- Ensure that the signal from the remote controller can easily be transmitted.
- Ensure that the operation display lamp and other indicator lamps can easily be seen.
- Ensure that there is neither a source of light nor a fluorescent lamp near the receiver.
- Ensure that the receiver is not exposed to direct sunlight.

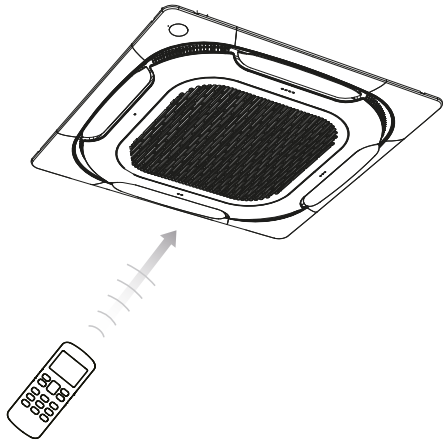
Installation

WARNING

Precautions in handling remote controller

• Direct the transmitting part of the remote controller to the receiving part of the air conditioner.

• If something blocks the transmitting and receiving path of the indoor unit and the remote controller as curtains, it will not operate.



• Transmitting distance is approximately 7 m.

• 1 short beeps from the receiver indicates that the transmission is properly done.

• Do not drop or get it wet.

It may get damaged.

• Never press the button of the remote controller with a hard, pointed object.

The remote controller may get damaged.

Installation site

• It is possible that signals will not be received in rooms that have electronic fluorescent lighting. Please consult with the salesman before buying new fluorescent lights.

• If the remote controller operated some other electrical apparatus, move that machine away or consult your dealer.

Installation

2. Installation Accessories

• Please check that you have all the following parts.

No.	Name	Schematic	Qty
①	Remote controller bracket		1
②	Screw lid		1
③	Philips head screw (M2.0*4.5)		2
④	AAA battery		2
⑤	Remote controller manual		1

3. Dimensions of Remote Controller and Bracket

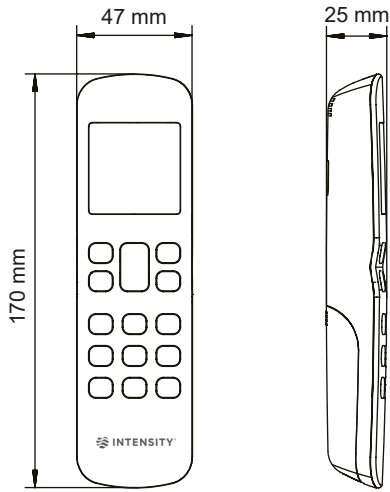


Figure 2.1 Dimensions of remote controller

Installation

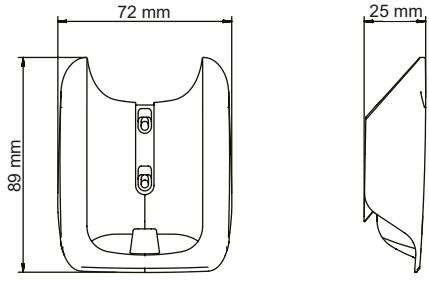


Figure 2.2 Dimensions of remote controller bracket

4. Installation and Fixing

1) Use the screws (accessories) to fix and secure the remote controller bracket in a stable position (see Figure 2.3);
Make sure you refer to "1. Installation Precautions" to determine the location.

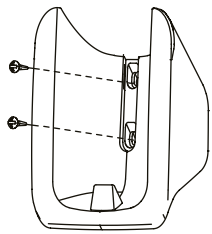


Figure 2.3

2) Slot the screw lid into the bracket cover on top of the screws (see Figure 2.4);

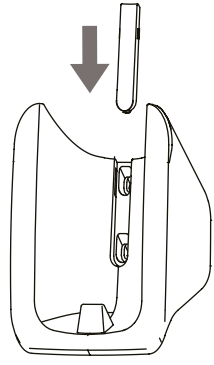


Figure 2.4

3) Slide the remote controller vertically down into the remote controller bracket (see Figure 2.5).

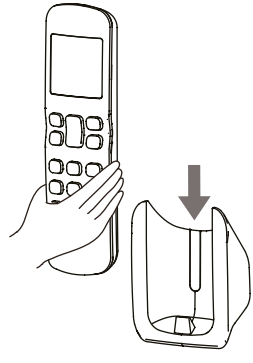


Figure 2.5

5. Replace the Batteries

1) Slide to move the battery cover at the back of the remote controller in the direction indicated by the arrow (Figure 2.6);

Installation

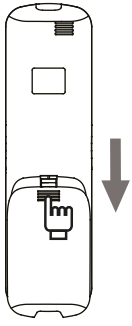


Figure 2.6

2) Lift up from the lower left end of the battery cover to open it (see Figure 2.7);

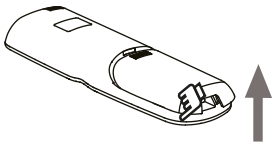


Figure 2.7

3) Take out the old batteries. Install two new AAA batteries according to the positive and negative polarities indicated (see Figure 2.8). Close the battery cover.

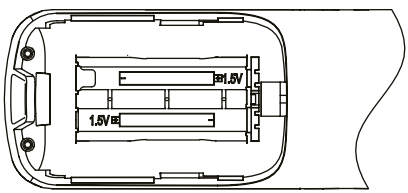


Figure 2.8

Operating the Remote Controller

1. Using Precautions

To gain full advantage of the controller's functions and to avoid malfunction due to mishandling, we recommend that you read this instruction manual carefully before use.
The precautions described here in are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.

WARNING
Failure to follow these instructions properly may result in personal injury or loss of life.

CAUTION
Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

Information classified as **NOTE** contains instructions to ensure proper use of the controller.
After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the controller is transferred to a new user, be sure also to hand over the manual.

WARNING

Note that prolonged, direct exposure to cool or warm air from the air conditioner or to air that is too cold or warm can be harmful to your physical body and health.
• Do not use pesticides, disinfectants and flammable sprays to spray directly on the remote controller as these may cause the device to become deformed.
• If there is a fault with the remote controller, turn off the remote controller and contact your local agent.
• Remove the dry batteries before cleaning or maintenance of the remote controller. Do not wash the controller with water.

Operating the Remote Controller

CAUTION

• Do not operate the device with wet hands to prevent water from entering the remote controller and damage the circuit board.
• Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner to cool precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality, and/or lifespan of the object concerned.
• Ventilate the area from time to time. Be careful when you use the air conditioner with other heating equipment. Insufficient ventilation may result in oxygen deficiency.

2. Model and Key Parameters

Product Model	RM12F
Rated Voltage	3.0 V (AAA battery x 2)
Ambient Temperature	-5 to 43°C
Ambient Humidity	RH ≤ 90%

3. Button Names and Functions

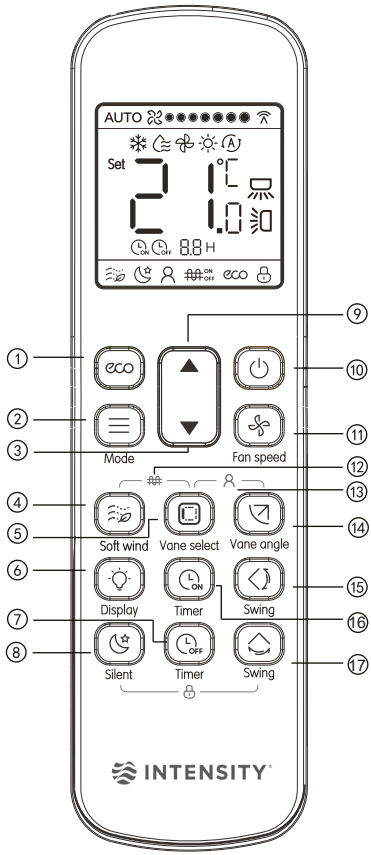


Figure 3.1 External view of remote controller

Operating the Remote Controller

No.	Button	Function
①	ECO	Turn on/off the economic operation function
②	Mode	Set operating mode: Cool → Dry→ Fan→ Heat
③	▼ Adjust downwards	Adjust the temperature setting or timer (programmed time) downwards
④	Soft wind	In Cool mode, press this button to turn on or off the Soft wind function.
⑤	Vane select	In power-on status, press this button to select a vane to be controlled.
⑥	Display	Turn on or off the display of the indoor unit
⑦	Timer off	Set the time to turn off the unit
⑧	Silent	Turn on/off the silent function
⑨	▲ Adjust upwards	Adjust the temperature setting or timer (programmed time) upwards
⑩	On/off switch	Switch on/off the unit
⑪	Fan speed	Fan speed setting
⑫	Auxiliary heater	Turn on/off the auxiliary heater function
⑬	Follow me	Turn on/off the follow me function
⑭	Vane angle	Adjust the angle of the horizontal louver
⑮	Swing	Turn on/off the vertical swing function
⑯	Timer on	Set the time to turn on the unit
⑰	Swing	Turn on/off the horizontal swing function

Operating the Remote Controller

Note:

- The buttons and are not available for first generation indoor units.
- The button is only available for indoor unit with individual vane control function.
- The is only available for indoor unit with soft wind function.

4. Name and Function on Display Screen

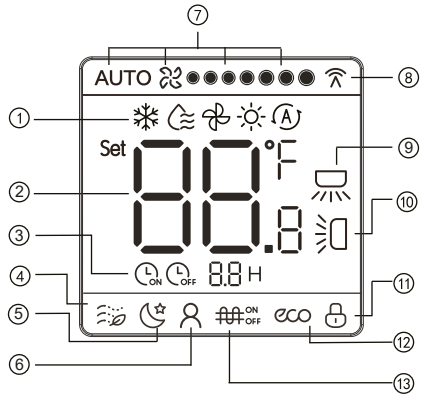


Figure 3.2 Display screen of remote controller

No.	Name	Display Function
①	Operating mode	Displays the current operating mode
②	Temperature	Displays current temperature setting
③	Timer On/Off	Displays times to turn on/off the unit
④	Soft wind	In Cool mode, press this button to turn on or off the Soft wind function
⑤	Silent mode	Shows that Silent is on
⑥	Follow me	Shows that Follow Me is on
⑦	Fan speed	Displays the current fan speed

⑧	Signal transmission	Displays signal sent to the indoor unit from the remote controller
⑨	Horizontal swing	Shows that Horizontal Swing is on
⑩	Vertical swing	Shows that Vertical Swing is on
⑪	Lock	Shows that the remote controller button is locked
⑫	ECO	Shows that ECO function is on
⑬	Auxiliary heater	Shows that auxiliary heater is on

5. Operating Methods

5.1 On/Off Operations

1) Press (see Figure 3.3), Indoor unit starts to run;

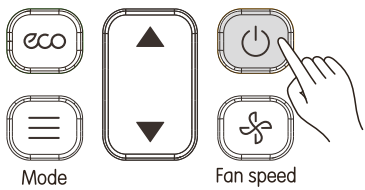


Figure 3.3

2) Press again. the indoor unit stops running.In power-off status, modes are displayed.

5.2 Mode and Temperature Operations

1) Press (see Figure 3.4). Display screen shows the operating

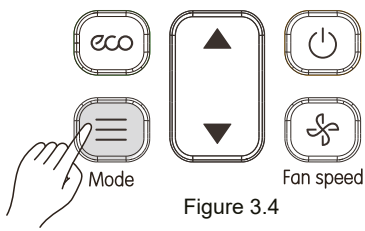


Figure 3.4

2) Press each time to change the operating mode according to the order shown in Figure 3.5;

Figure 3.5

3) In Cool, Dry or Heat mode, press ▲ and ▼ to adjust the temperature setting. Press ▲ and ▼ to adjust the temperature by 0.5°C (default). Long press to change the temperature continuously.

Note:

• Temperature setting cannot be adjusted in the Fan mode.

5.3 Fan Speed Operations

Every time when you press the button, fan speed is changed in the following order.(see Figure 3.6).

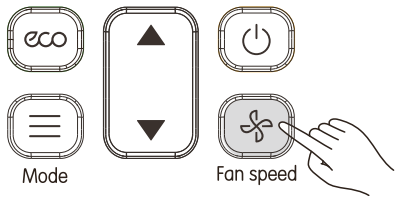


Figure 3.6

1) 7 fan speeds: The default in the remote controller is the mode with 7 fan speeds, where the Fan Speed will be adjusted in turn as shown in Figure 3.7;

Figure 3.7

2) 3 fan speeds: Fan Speed will be adjusted in turn as shown in Figure 3.8.

Figure 3.8

Note: • The fan speed set on the remote controller should match with the air conditioner. For how to set the fan speed, see section "Initial Settings" in this document.

• Fan speeds cannot be adjusted in Dry mode.

5.4 Soft Wind Operations

Press to adjust the direction of the vertical louver (see Figure 3.9).

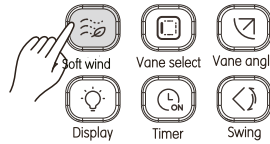


Figure 3.9

① In Cool mode, press this button to turn on or off the Soft wind function.
② In Soft wind function, the fan operates at the minimum speed and swings at the minimum angle.

5.5 Vane Selection Operations

In power-on status, press this button to select the vane to be controlled. If you press this button continuously, you can select vanes in circulating manner.

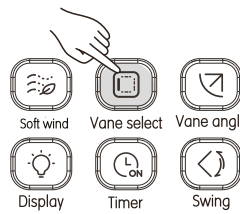


Figure 3.10

The indicator in the indoor unit corresponding to the selected vane will be on, and then off after 15 seconds. After selecting the vane to be controlled, you can use and set the swing angle.

5.6 Swing Operation

1) Vertical Swing

① When the unit is on. Press (see Figure 3.11). Start the vertical swing function, and the will light up, and signal is sent to the indoor unit;

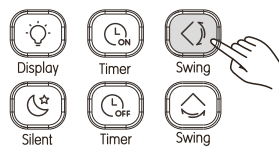


Figure 3.11

② When the vertical swing is on, press to turn off this function.

Note:

• When the unit is turned off, the button is invalid.

• Each time the vertical swing signal is sent, the icon keeps lighting up for 15s and then disappears. The indoor unit remains vertical swing operation.

2) Horizontal Swing

① When the unit is on. Press (see Figure 3.12). Start the horizontal swing function, and will light up, and signal is sent to the indoor unit;

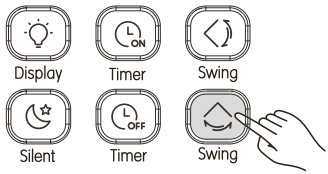


Figure 3.12

② When the horizontal swing is on, press to turn off the horizontal swing function.

Note:

• When the unit is turned off, the button is invalid.

• Each time the horizontal swing signal is sent, the icon keeps lighting up for 15s and then disappears. The indoor unit remains horizontal swing operation.

5.7 IDU Display Operations

The Display function is used to control the on/off state of the display in the indoor unit.

1) When the remote controller is in on or off state, press (see Figure 3.13), and the display of the indoor unit lights up;

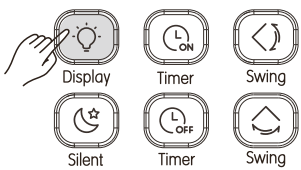


Figure 3.13

2) When the display of the indoor unit lights up, press to turn off the light.

5.8 Silent Mode Operation

The Silent function is used by the remote controller to send the "Silent" signal to the indoor unit. The indoor unit automatically optimizes the noise it generates when it is in the "Silent" mode.

1) When the unit is in the Cool or Heat mode, press (see Figure 3.14) to start the Silent function. Screen displays the icon;

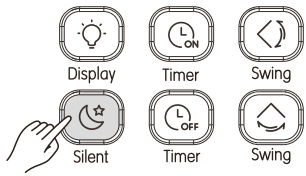


Figure 3.14

2) In Silent mode, press to turn off the Silent function, and the icon will disappear.

Note:

• Once it has been running for 8 hours, will no longer light up, and the unit will exit the Silent mode.

• The Silent and ECO functions cannot be implemented at the same time.

5.9 ECO Operations

The remote controller can send the ECO signal to the indoor unit when the unit is operating in Cool or Heat mode.

1) Press (see Figure 3.15) to send the ECO signal to the indoor unit. The icon is displayed;

2) Then press , , or to exit the ECO function. The icon disappears.

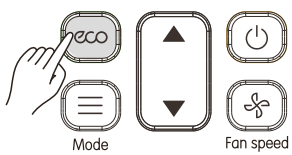


Figure 3.15

Note:

• In cooling mode, when ECO is set up, the Fan Speed is forced to Auto and the temperature is 26°C; in heating mode, when ECO is set up, the Fan Speed is forced to Auto and the temperature does not change.

• Once it has been running for 8 hours, ECO will no longer light up, and the unit will exit the ECO mode.

• The Silent and ECO functions cannot be implemented at the same time.

5.10 Follow Me Operations

1) When the unit is in the Cool or Heat mode, press and at the same time to start the Follow Me function. The screen will display the icon (see Figure 3.16);

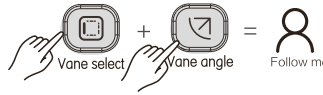


Figure 3.16

2) The displayed temperature is the room temperature detected by the remote controller.

3) When the Follow Me function is on, press and at the same time to turn off this function, and the icon will disappear from the display.

5.11 Timer On/Off Operations

"Timer" is used to set the timed on/off state of indoor unit.

1) Timer On Operation:

① Press (see Figure 3.17), and the remote controller will display "Timer On", and "0.0H" will appear in the timer area. Adjust the Timer On settings now;

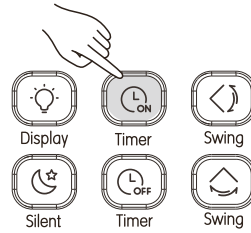


Figure 3.17

② Press or ▲, ▼ to adjust the timer settings;

③ Once the adjustment is done, the timer information is sent to the indoor unit.

2) Timer Off Operation:

① Press (see Figure 3.18), and the remote controller will display "Timer Off", and "0.0H" will appear in timer area. Adjust the Timer Off settings now;

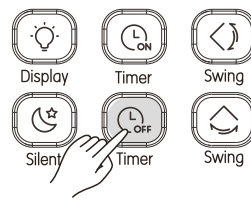


Figure 3.18

② Press or ▲, ▼ to adjust the timer settings;

③ Once the adjustment is done, the timer information is sent to the indoor unit.

Note:

• Timer Off can be set only when the unit is powered on and Timer On can be set only when the unit is powered off.

• When Timer On is being set, you can set the power-on mode, fan speed, and temperature.

• If the timing period is more than 10 hours, the timing period increases by 1 hour.

• To change the time: Press the corresponding button, change the time, and then confirm the changes.

• Adjust the Timer On or Timer Off to 0.0h to cancel the Timer On or Timer Off settings.

5.12 Button Lock Operations

Once the buttons on the remote controllers are locked, all the other button operations except for Unlock and IDU Address Setting are invalid.

1) Press and at the same time to lock the button (see Figure 3.19), and the screen will display the lock icon ;

2) Press and at the same time, and the lock icon will disappear. Button is unlocked.

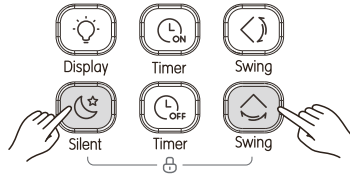


Figure 3.19

5.13Auxiliary Heater Operations (reserved)

1) Press and at the same time to lock the button (see Figure 3.19), and the screen will display the lock icon ;

2) Press and at the same time, and the lock icon will disappear. Button is unlocked.

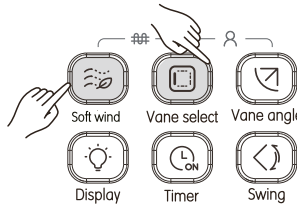


Figure 3.20

Field Settings

Parameter Configuration for Remote Controller

1) Configuration Method:
① Long press and on the remote controller at the same time for 5 seconds to go to the parameter settings status (see Figure 4.4);

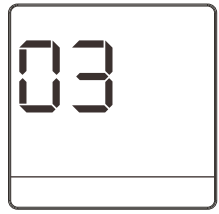
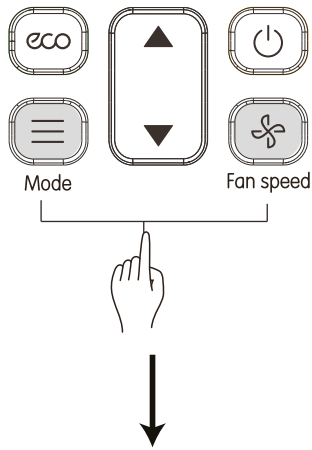


Figure 4.4

② Press ▲ and ▼ to adjust the parameter value;
③ Once the adjustment is done, press or wait for 5 seconds to save the parameter settings. The operation sequence for the button is as shown in Figure 4.5.



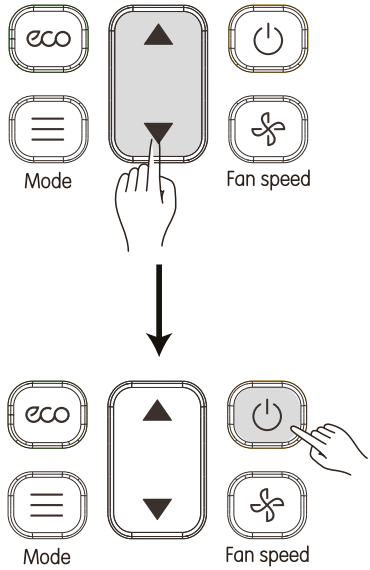


Figure 4.5

2) See Table 4.1 for details.

Table 4.1 Parameters of remote controller

Parameter	Parameter Definition
00	7 fan speeds, temperature adjustment step of 0.5°C
01	3 fan speeds, temperature adjustment step of 1°C
02	7 fan speeds, temperature adjustment step of 1°C (default parameter)
03	3 fan speeds, temperature adjustment step of 0.5°C

Note:

• For the first generation indoor units, please set the parameter to 01.

INTENSITY®
AIR CONDITIONING

Importado por: **INTENSITY AIR, S. A. DE C. V.**
RFC: IAI-100609-SRA.
Río Amacuzac #1125, Col. Valle Ote., CP. 66269
San Pedro Garza García, Nuevo León, México

Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.