

RedLINK™ Wireless Remote Controller Kit

Installation Manual

MHK2: MRCH2 Controller, MIFH2 Receiver, and MRC2 Cable



DISCONNECT POWER BEFORE BEGINNING INSTALLATION.

Can cause electrical shock or equipment damage.



Must be installed by a trained, experienced technician.

Read these instructions carefully. Failure to follow these instructions can damage the product or cause a hazardous condition.

Installation at a Glance

This manual covers the installation and setup of the MHK2 Remote Controller with Mitsubishi Electric indoor units.

Before you begin, you must attach the cable to the CN105 connector on the indoor unit control board, then follow the steps in this document.



Note: Remote Controllers are linked to specific indoor units. Each indoor unit must have a dedicated Remote Controller and Wireless Receiver.



Note: Your device's PIN code is your date code added to 1234. For example, a date code of 2010 plus 1234 would give you a device PIN of 3244.

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<https://mhk2.meushvac.com/>
1-800-433-4822

MHK2 is compatible
with kumo cloud® when
connected with the Wireless
Interface 2 or later.



Read Before Installing

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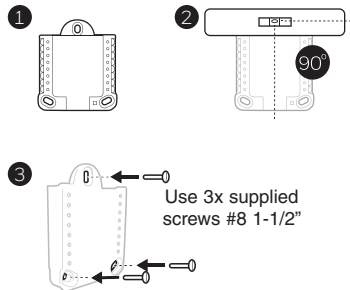
Mounting Wall Plate

1. Open package to find the Wall Plate. See Figure 1.
2. Position the Wall Plate on the wall. Level and mark hole positions. See Figure 2.

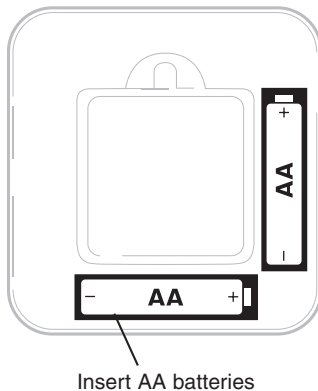
Drill holes at marked positions, and then lightly tap supplied wall anchors into wall using a hammer.

Drill 7/32" holes for drywall.

3. Place the Wall Plate over the wall anchors. Insert and tighten mounting screws supplied with the Wall Plate. Do not overtighten. Tighten until the Wall Plate no longer moves. See Figure 3.



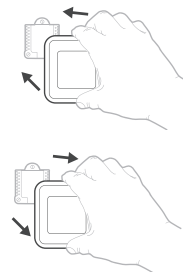
Install Batteries



Mounting MHK2 RedLINK™ Wireless Remote Controller

1. Align the Wall Plate with the MHK2 Controller and push gently until the MHK2 snaps in place.
2. If needed, gently pull to remove the MHK2 Controller from the Wall Plate.

Note: Avoid locations where there are air drafts (top of staircase, air outlet), dead air spots (behind a door), direct sunlight or concealed chimney or stove pipes.

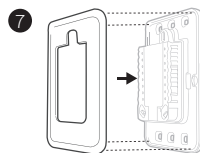
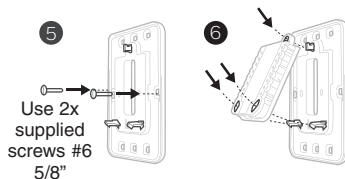
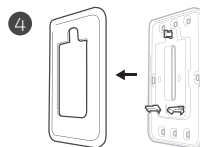


Optional Decorative Cover Plate Installation

Use the **Optional Cover Plate** when:

- Mounting the controller to an electrical junction box
- Or when you need to cover paint gaps from the old controller.

4. Separate the Junction Box Adapter from the Cover Plate. See Figure 4.
5. Mount the Junction Box Adapter to the wall or an electrical box using any of the eight screw holes. Insert and tighten mounting screws supplied with Cover Plate Kit. Do not overtighten. Make sure the Adapter Plate is level. See Figure 5.
6. Attach the Wall Plate by hanging it on the top hook of the Junction Box Adapter and then snapping the bottom of the Wall Plate in place. See Figure 6.
7. Snap the Cover Plate onto the Junction Box Adapter. See Figure 7.



Install Cable and RedLINK™ Wireless Receiver

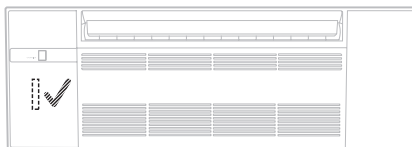
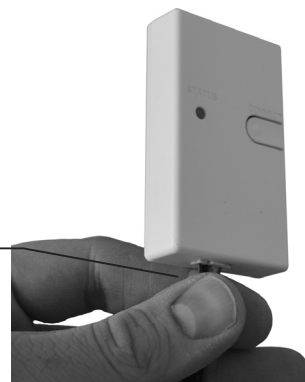
Note: If you are using a Mitsubishi Electric Wireless Interface 2 with the kumo cloud® app, please refer to "kumo cloud®" on page 13.

1. Connect MRC2 cable to the CN105 connector on the control board in the indoor unit.
2. Route MRC2 cable outside the electrical box and to the preferred install location of the RedLINK Wireless Receiver.
3. Attach the 5 pin connector to the Wireless Receiver.



Notes:

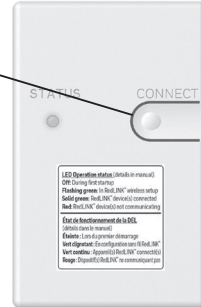
- Do not cut or modify the cable.
 - Do not block vents on the indoor units.
4. Mount Wireless Receiver next to the indoor unit shown in the orientations below or, for units that have them, inside the indoor unit's Wireless Interface pocket.



Link All Devices to RedLINK™ Network

Note: The receiver does not have a power status light. Please make sure the indoor unit has been powered up.

1. Press and release the **CONNECT** button.
2. If the **CONNECT** light does not flash, another receiver or a RedLINK™ Wireless Receiver may be in wireless setup mode. Exit wireless setup at the other device.
3. Be sure to only have one unit in wireless setup mode at a time and complete setup before connecting another MHK2 and unit.



Connect LED:

- **Flashing Green:** In wireless setup mode.
- **Fast Flashing Green:** In the process of pairing.
- **Solid Green:** At least one RedLINK™ device is enrolled onto the receiver.
- **Amber:** Please wait.
- **Red:** RedLINK™ device is not communicating.
- **Off:** No RedLINK™ devices are enrolled onto the receiver.

Notes:

- The flashing status light times out after 15 minutes of inactivity. Press **CONNECT** again if necessary.
- The RedLINK™ connection has been securely established once you see the solid green light.

Indoor Air Sensor (IAS)

1. Press and release the **CONNECT** button on the receiver.
2. Make sure the receiver is in wireless setup mode (connect LED is slowly flashing green). If the **CONNECT** light does not flash, another receiver or a RedLINK™ Wireless Receiver may be in wireless setup mode. Exit wireless setup mode at the other device.
3. Press and release the **CONNECT** button on the IAS.
4. When pairing starts, the **CONNECT** lights on the IAS and the receiver will both be fast flashing green.
5. After successfully completing enrollment, the **CONNECT** light on the IAS will be solid green for a short period of time and then turn off.
6. Check for the IAS option in the temperature source and humidity source from the controller.

Notes:

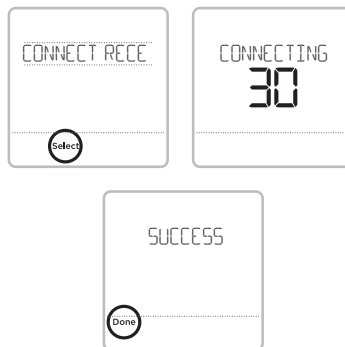
- Your controller can only use one IAS.
- When the IAS light is solid red, it may have failed to enroll or has disconnected. Please reenroll and check the distance between the IAS and the receiver.

Link Remote Controller to RedLINK™ Receiver



Note: In most homes, the Remote Controller can connect at distances of 200 feet. Try to avoid walls or other blockages, but they should not affect RedLINK signal.

1. Press **SELECT** to establish a link to the RedLINK™ receiver.
2. In less than 30 seconds, the link between the MHK2 Controller and RedLINK receiver will be established; showing "Success" on the display.
3. Press **DONE** to display the home screen.
4. The MHK2 Controller will display a "WAIT" screen while it receives data from the indoor unit. While on the "WAIT" screen:
 - If the controller shows the RedLINK™ disconnected icon (ⓧ), at the top-right, the controller has lost connection with the receiver.
 - If the controller shows the RedLINK™ connected icon (Ⓢ), the controller is connected to the receiver.
 - To unenroll the receiver, press and hold the bottom-center of the controller's screen for 5 seconds. The controller will then unenroll all RedLINK™ connections.



Exit RedLINK™ Setup

Press and release the **CONNECT** button on the RedLINK™ receiver to exit wireless setup (light should stop flashing and remain solid).



Note: The RedLINK™ Wireless Receiver will automatically exit wireless setup after 15 minutes of inactivity.



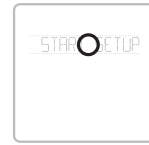
Note: If installing more than one receiver, you must exit RedLINK™ setup on the previous receiver before attempting wireless setup of subsequent controllers/receivers.

Initial Installer Setup

After the MHK2 Controller has communicated with the indoor unit correctly, MHK2 Controller will change from the "Wait" screen to the "Initial Installer Setup" screen and show **START SETUP**.

1. The MHK2 will search for support of indoor unit function codes. If it finds indoor unit support, the controller will load the Function Code setup. If the controller does not find indoor unit support, the controller will load the Installer Set Up (ISU). See page 10 for a full list of ISU options.
2. Touch or to toggle between Function Code/ISU options.
3. Touch **Edit** or touch the text area, and then touch or to edit default setup options.
4. Touch **Done** or touch the text area to confirm the setting or press **Cancel**.
5. Touch or to continue to setup another ISU option.
6. To finish setup and save your settings, scroll to the **FINISH SETUP** screen at the end of the ISU list.

Note: To see a list of all setup parameters, go to "Installer Setup Options (ISU) – Advanced Menu" on page 10. The MHK2 Controller displays the ISU name and the ISU number.



View ISU

ISU option and name (scrolling)

Arrow buttons used to scroll through ISUs

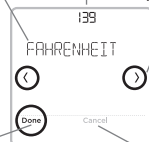


Edit ISU

ISU option blinking

ISU #

Arrow buttons used to scroll through ISU options



Saves selected ISU option moves on to the next ISU screen

Cancels ISU option selection, go back to view ISU

Installer Setup – Advanced Menu (After Initial Installation)

To access the advanced menu, press and hold the **Menu** button for **5 seconds**. Touch or to go through the options in the advanced menu.

Advanced Menu Options

Function Codes: This is used to access the device Function Code settings.

Device Setup: This is used to access the device ISU settings.

Screen Lock: The controller touch screen can be set to partially or fully lock. Partial lock allows temporary overrides. Full lock will not allow any overrides. You will always have the option to unlock the device.

System Test: Test the wireless communications or heating and cooling equipment.

Unenroll Device:

Remove a connected receiver or controller.

Reset:

Access all reset options on the MHK2 Controller. This is the only place to access factory reset.

Alert History: Alert History saves the last 25 alerts. Once the list is full, the oldest alert will be kicked out.



M-Series & P-Series Indoor Unit Function Codes

Note: Default settings for Function Codes 1-28 are automatically determined by the HVAC equipment. **It may take up to 40 seconds to enter setup and 30 seconds to exit setup.** Please refer to the indoor unit manual for unit specific function codes and the description of their values. A summary is shown in the following tables.

Mode #	Indoor Unit Compatibility	Function	Setting #	Settings
1	All	Power Failure Auto Recovery	1	Not available (OFF)
			2 *1-1	Available (ON) approximately 4 minute delay
2	All	Indoor Temperature Detection	1	Average data from all unit
			2	Return air
			3 *2-1	Remote Controller
3	All	Lossnay Connectivity	1	Not supported
			2	IDU does not intake OA through Lossnay
			3	IDU does intake OA through Lossnay
4	All	Power Supply Voltage	1	230 volt
			2	208 volt
5	PEAD	Auto Mode	1	Energy saving cycle automatically enabled
			2	Energy saving cycle automatically disabled
			1	100 hours
7	All	Filter Sign	2	2500 hours
			3	No filter sign indicator
8 *D	SLZ/PLA PCA/PKA	Air Flow (Fan Speed)	1	Quiet
			2	Standard
			3	High ceiling
8 *D	SEZ/SVZ/PEAD/PVA	Static Settings	See "Static Pressure Settings" on page 12.	
			1	4 directions or all 4
9	PLA	Number of Air Outlets	2	3 directions or just 3
			3	2 directions or just 2
10 *D	PLA PCA	High Performance Filter Also Static Settings	1	Not supported
			2	Supported
10 *D	SEZ/SVZ/PEAD/PVA	Static Settings	See "Static Pressure Settings" on page 12.	
			1	Downward setting (vanes angle setup 3)
11 *D	PLA	Horizontal Vane Setting	2	Middle setting (vanes angle setup 1)
				Draft less setting (vanes angle setup 2) *11
11 *D	SLZ PCA	Horizontal Vane Setting	1	No setting
			2	Draft less setting (vane angle setup 1)
11 *D	SVZ/PEAD/PVA	Heater Control (Used with Mode 23)	1	Downward setting (vanes angle setup 2)
			2	No heater present
				Heater available
12	SLZ-KF/ PLA-A__EA7	3-D i-See Sensor Positioning *12-1 *12-2	1	Position 1
			2	Position 2
			3	Position 3
13	SVZ/PVA	Optional Humidifier	1	Not supported
			2	Supported
14	PLA PCA/PKA	Vane Differential Setting in Heating Mode (Cold Wind Prevention)	1	75-82 °F TH5
			2	82-90 °F TH5
			3	90-100 °F TH5
15	SLZ/PLA SEZ/SVZ/PEAD PCA/PKA	Frost Prevention Temp	1	(2 °C) 36 °F
			2	(3 °C) 37 °F

M-Series & P-Series Indoor Unit Function Codes

Mode #	Indoor Unit Compatibility	Function	Setting #	Settings
16	SVZ/PVA	Humidifier Control	1	With compressor only
			2	In Heat mode all the time
17	PLA PCA/PKA	Change of Defrosting Control	1	Standard
			2	High humidity
23 *D	PLA-BA	Vane Swing	1	Swing
			2	Wave air flow
23 *D	PCA/PKA	Vane Swing	1	Not available (OFF)
			2	Available (ON)
23 *D	SLZ SEZ	Heater Control *23-1	1	Set temp -1.8 °F ON
			2	Set temp -4.5 °F ON
23 *D	SVZ/PEAD/PVA	Heater Control *23-1	1	Disable heater during Defrost/Error
			2	Enable heater during defrost and error *23-2
24	SLZ/PLA SEZ/SVZ/PEAD PCA/PKA *24-1	Heating Height Offset 4	1	Available (ON) 4 °C (7.2 °F) up
			2	Not available (OFF)
25	SLZ/PLA SEZ/SVZ/PEAD/PVA PCA/PKA	Fan Speed Thermo-Off Heating	1	Extra low
			2	Stop
			3	RC setting
26 *D	SLZ-KF/PLA-A__EA7	3D i-See Sensor Height Offset Setting *12-1 *12-2	1	Low (less than 8.9 feet)
			2	Standard (8.9 to 11.5)
			3	High (11.5 to 14.8)
26 *D	SVZ	Erv Control	1	IDU STOP fan speed STOP, and CN2C is OFF
			2	IDU STOP fan speed is RC Setting, and CN2C is ON
27	SLZ/PLA SEZ/SVZ/PEAD PCA/PKA	Fan Speed Thermo-Off Cooling	1	RC setting
			2	Stop
			3	Extra Low *27-1
28	SLZ/PLA SEZ/SVZ/PEAD PCA/PKA	Detection of Abnormal of the Pipe Temperature (P6)	1	Available (ON)
			2	Not Available (OFF)

Notes:

*D	Duplicate code with multiple settings for different indoor unit types.
*1-1	When the power supply returns, the air conditioner will start 3 minutes or 1 minute later (hinge on outdoor unit).
*2-1	Can be set only when a wired or RedLINK Remote Controller is used.
*11	Because condensation may form, do not use this setting in a high-temperature, high-humidity environment.
*12-1	Cassette must have 3D i-See Sensor installed to operate, refer to install manual.
*12-2	When the 3D i-See Sensor corner panel position is changed, change this mode.
*23-1	For the detail of heater control, refer to the service manual.
*23-2	Heater will only operate during a communication error between indoor unit and outdoor unit.
*24-1	PKA-HA(L)/KAL(L): 3.6°F (2°C) up.
*27-1	Only SLZ and PLA are able to set this setting.

Installer Setup Options (ISU) – Advanced Menu

ISU #	ISU Name	ISU Options (defaults in bold)	Notes
134	Central Controller Present	• Not installed • Installed	The control determines the correct setting based on whether the central controller was linked to the system. If the central controller is installed in the system, then the device will function as a non-programmable device and only single setpoint will be supported.
139	Fahrenheit Celsius	• Fahrenheit • Celsius	
142	System Type	• Heat pump (Heat & Cool) • Cool only	The control determines the correct setting based on the equipment the receiver is plugged into.
144	Auto Changeover	• Manual Changeover (MANUAL) • Auto Changeover (ACO) • Auto Changeover Single Setpoint (Single SP)	If ACO is selected, system mode options will be Heat, Off, Cool, and Auto. If MANUAL is selected, AUTO mode is disabled during operation and not selectable by the user. This ISU setting is not shown when ISU 134 is set to INSTALLED or ISU 142 is set to COOL ONLY.
145	Deadband	• 3 to 8 °F (in 1 °F increments) • 2.0 to 4.5 °C (in .5 °C increments)	MANUAL and ACO settings are shown if ISU 134 is set to NOT INSTALLED. SINGLE SP is defaulted if ISU 134 is set to INSTALLED. MANUAL and ACO options are suitable for use with kumo cloud® and a Wireless Interface.
146	Drying Mode	• Disabled • Enabled	This ISU is shown if Auto Changeover (ACO) is selected.
150	Schedule Owner	• The MHK2 alone can be used to establish a schedule • kumo cloud® alone can be used to establish a schedule	This ISU is shown if dry mode is supported by the indoor unit.
151	Schedule Type	• No schedule • Mo-Su • Mo-Fr/Sa-Su • Mo-Fr/Sa/Su • M/T/W/T/F/S/S	This ISU is not shown if the MHK2 is NOT connected to a Wireless Interface 2 or later model.
152	Schedule Off Periods	• Disabled • Enabled	If disabled, Schedule Power Off in schedule mode cannot be used.
153	Residential/Commercial Schedule	• Residential • Commercial	When set for Residential, the schedule periods are Wake, Leave, Return, Sleep. When set for Commercial, the schedule options are Occupied and Unoccupied.
161	Lockout System On	• Disabled • Enabled	If enabled, the controller will show a lock symbol at the bottom of the screen and not allow the user to adjust the mode from off to on. If the user attempts to adjust the mode from off to on, the lock symbol will flash. This will keep the Remote Controller from turning on the equipment. The equipment will need to be remotely turned on.
162	Lockout System Off	• Disabled • Enabled	If enabled, the controller will show a lock symbol at the bottom of the screen and not allow the user to adjust the mode from on to off.
163	Lockout Mode	• Disabled • Enabled	If enabled, the controller will show a lock symbol at the bottom of the screen and not allow the user to adjust the mode from the current mode to any other mode, except for Off. If the user attempts to adjust the mode, the lock symbol will flash. The user will still be able to turn the unit on and off only.

Installer Setup Options (ISU) – Advanced Menu

ISU #	ISU Name	ISU Options (defaults in bold)	Notes
164	Lockout Fan Speed	• Disabled • Enabled	If enabled, the controller will show a lock symbol at the bottom of the screen, and if the user attempts to modify the fan setting, the lock symbol will flash.
165	Lockout Setpoint	• Disabled • Enabled	If enabled, the controller will show a lock symbol at the bottom of the screen and "Partial Lock" in the user menu will be hidden. If the user attempts to modify the setpoint, the lock symbol will flash and keep the current setpoint.
167	Lockout Vane Direction	• Disabled • Enabled	If enabled, the controller will show a lock symbol at the bottom of the screen, and if the user attempts to modify the vane direction, the lock symbol will flash.
170	Hide Indoor Temperature	• Disabled • Enabled	If enabled, indoor temperature is not shown in the display.
171	Hide Indoor Humidity Display	• Disabled • Enabled	If enabled, indoor humidity is not shown in the display.
180	Max Heat Setpoint	• 40 to 90 °F (4.5 to 32.5 °C)	The Max Heat Setpoint can be adjusted to any whole number between 40 and 90 °F, as well as half increments between 4.5 and 32.5 °C.
181	Min Cool Setpoint	• 50 to 99 °F (10 to 37 °C)	The Min Cool Setpoint can be adjusted to any whole number between 50 and 99 °F, as well as half increments between 10 and 37 °C.
190	Indoor Temperature Source	• MHK2 • Indoor unit • RedLINK™ sensor • Average of MHK2 and RedLINK™ sensor (IAS)	Options 2 and 3 not shown if the RedLINK™ Indoor Air Sensor is not enrolled. MHK2: The MHK2 built-in thermistor (default). RedLINK™ Sensor: A RedLINK™-connected wireless indoor temperature/humidity sensor. Average: An average of the MHK2 sensor and RedLINK™-connected wireless indoor temperature/humidity sensor. Averaging does not work with the kumo cloud® bluetooth wireless temperature and humidity sensor.
191	Indoor Temperature Display Offset	• -5 °F to 5 °F (-2.5 °C to 2.5 °C)	The Indoor Temperature Display Offset can be adjusted to any whole number between -5 and 5 °F, as well as half increments between -2.5 and 2.5 °C. 0 is the default.
195	Indoor Humidity Source	• MHK2 • RedLINK™ sensor • Average of MHK2 and RedLINK™ sensor (IAS)	Options 1 and 2 will not be shown if the RedLINK™ Indoor Air Sensor is not enrolled. MHK2: The RedLINK™ Sensor thermistor (default). RedLINK™ Sensor: A RedLINK™-connected wireless indoor temperature/humidity sensor. Average: An average of the RedLINK™ Sensor and RedLINK™-connected wireless indoor temperature/humidity sensor. Averaging does not work with the kumo cloud® bluetooth wireless temperature and humidity sensor.
196	Indoor Humidity Display Offset	• -10% RH to 10% RH	The Indoor Humidity Display Offset can be adjusted to any whole number between -10 and 10 RH. 0 is the default.

Static Pressure Settings

PEAD-AA

External Static Pressure	Setting No.	
	Wired or RedLINK Remote Controller	
	Mode No. 8	Mode No. 10
35 Pa	2	1
50 Pa	3	1
70 Pa	1	2
100 Pa	2	2
125 Pa	3	2

SEZ

External Static Pressure	Setting No.	
	Wired or RedLINK Remote Controller	
	Mode No. 8	Mode No. 10
5 Pa (0.02 in. WG)	1	2
15 Pa (0.06 in. WG)	1	1
35 Pa (0.14 in. WG)	2	1
50 Pa (0.20 in. WG)	3	1

SVZ - Vertical, Horizontal Left & Right

External Static Pressure	Setting No.	
	Wired or RedLINK Remote Controller	
	Mode No. 8	Mode No. 10
0.3 in. WG (75 Pa)	1	1
0.5 in. WG (125 Pa)	2	1
0.8 in. WG (200 Pa)	3	1

* Regarding to down flow setting, please refer to down flow kit installation manual.

Vane Settings

Mode No. 11

Setting No.	PLA-EA	SLZ-KF	PCA-KA
1	Downward setting (vanes angle setup 3)	Not setting	No vanes
2	Middle setting (vanes angle setup 1)	Draft less (vanes angle setup 1)	(Vanes angle setup 1)
3	Draft less (vanes angle setup 2)	Downward setting (vanes angle setup 2)	(Vanes angle setup 2)

SVZ -Downflow

External Static Pressure	Setting No.	
	Wired or RedLINK Remote Controller	
	Mode No. 8	Mode No. 10
0.3 in. WG (75 Pa)	1	2
0.5 in. WG (125 Pa)	2	2
0.6 in. WG (200 Pa)	3	2

PVA - Vertical, Horizontal Left & Right

External Static Pressure	Setting No.	
	Wired or RedLINK Remote Controller	
	Mode No. 8	Mode No. 10
0.3 in. WG (75 Pa)	1	1
0.5 in. WG (125 Pa)	2	1
0.8 in. WG (200 Pa)	3	1

* Regarding to down flow setting, please refer to down flow kit installation manual.

PVA - Downflow

External Static Pressure	Setting No.	
	Wired or RedLINK Remote Controller	
	Mode No. 8	Mode No. 10
0.3 in. WG (75 Pa)	1	2
0.5 in. WG (125 Pa)	2	2
0.8 in. WG (200 Pa)*	3	2

*PVA-A42 in Downflow External Static pressure: 0.70.

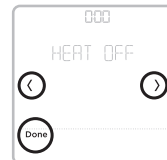
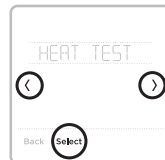
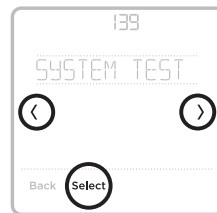
Performing a System Test

You can test the system setup in **ADVANCED MENU** under **SYSTEM TEST** option.

- 1 Press and hold **Menu** on the controller for 5 seconds to access **ADVANCED MENU** options.
- 2 Touch  or  to go to **SYSTEM TEST**.
- 3 Touch **Select** or touch text area.
- 4 Touch  or  to select system test type. Touch **Select** or the touch text area.
- 5 For the Heat Test and Cool Test use  or  to activate equipment.



Note: The clock is used as a timer while Heat or Cool is running. The Heat and Cool indicators are displayed when the system test is running.



kumo cloud®

Connecting to the kumo cloud®: The Wireless Interface 2 or later must be installed and configured with the kumo cloud app before continuing with the startup of the MHK2.

Automatic Setting of Time Provided by the Wireless Interface

When a Wireless Interface is present, the MHK2 Controller will operate using the time and date the Wireless Interface receives from the Internet. In the event of a system power outage, the MHK2 Controller's time and date setting will be independent until such time as the Wireless Interface regains an Internet connection. At that point, the MHK2 Controller will again match the Wireless Interface's Internet-acquired time and date.

Key Features

System Status Information

Cool On, Heat On, Standby.

Schedule Information

Following time-based temperature control.

Desired Temperature

Displays the current desired temperature setting.

Indoor Temperature

Displays the current indoor temperature.

Indoor Temperature Reminder:

The indoor temperature display will show the temperature from the indoor unit, the MHK2 controller, indoor air sensor(s), or an average of all them. You confirm and configure this setting during installation setup.

Vane

Touch to select air direction: Auto, Swing, Ceiling, High, Middle, Low, Floor.

Mode

Select system Mode: Heat, Cool, Dry, Fan, Auto, Off.

Lock

Indicates the screen is locked: Full Lock, Partial Lock, and ISU-based locks. Full and Partial Lock can be unlocked with a PIN.

Time, ISU #, or Alert

RedLINK™ Wireless Communication Status

Indicates if the controller is connected to the RedLINK™ interface and communicating correctly.

Connection Status Information

Indicates if the MIFH2 RedLINK™ Wireless Receiver is connected to the Mitsubishi Electric Wireless Interface 2 and kumo cloud®.

Messaging

Shows device setup options, menu options, reminders, schedule overrides.

Schedule Period

Shows schedule period: Wake, Leave, Return, Sleep.

Fan

Select Fan speeds: Auto, 1-5.

Menu

Touch to display options. Start here to set a program schedule.

Note: Long press the Menu button for 5 seconds to access Advanced Menu options.



Note: The screen will wake up by pressing the center area of the displayed temperature. The screen will stay lit for 10 seconds.

RedLINK™ Error Codes

134 Weak signal. Move wireless device to a different location and try again.

137 Maximum number of clients reached.

153 Timeout.



Note: If any other error codes are given on the screen of MRCH2, please contact customer service.

Replacing System Components



Note: Only use Mitsubishi Electric components or other designated components for installation. Failure to comply may damage the product or cause a hazardous condition.

RedLINK™ Wireless Remote Controller

To replace a RedLINK™ Wireless Remote Controller, install batteries, affix to wall plate, and follow the procedures on page 6 to link it to the RedLINK™ network. If necessary, modify settings as needed (see tables on pages 10–11).

RedLINK™ Wireless Receiver

After installing a new RedLINK™ Wireless Receiver, you must unenroll the RedLINK™ Wireless Remote Controller so it can communicate with the new RedLINK™ Wireless Receiver, as described below.

There are three ways to unenroll the RedLINK™ Wireless Remote Controller from the old RedLINK™ Wireless Receiver:

- Press and hold the **Menu** button for 5 seconds to enter the Advanced Menu. Touch ⏪ or ⏩ to select UNENROLL DEVICE. Touch **Select**. Connect the new RedLINK™ Wireless Receiver.
- Enter the Advanced Menu. Touch ⏪ or ⏩ to select RESET. Touch **Select**. Touch ⏪ or ⏩ to select FACTORY. Touch **Select**. Touch **Yes** to confirm. Connect the new RedLINK™ Wireless Receiver.
- If the RedLINK™ Wireless Remote Controller is on the "Wait" screen, press and hold the bottom-center of the screen for 5 seconds. Connect the new RedLINK™ Wireless Receiver.

To remove all RedLINK™ devices:

1. Press and hold the **CONNECT** button on the RedLINK™ Wireless Receiver for 10 seconds.
2. To reconnect, see procedure on page 6.

Regulatory Information

FCC Compliance Statement (Part 15.19) (USA Only)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference, and
- 2 This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning (Part 15.21) (USA Only)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Interference Statement (Part 15.105 (b)) (USA Only)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Wireless Receiver and MHK2 Remote Control

To comply with FCC and Industry Canada RF exposure limits for general population/ uncontrolled exposure, the antenna(s) used for these transmitters must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Section 7.1.3 of RSS-GEN

Operation is subject to the following two conditions:

- 1 This device may not cause interference, and
- 2 This device must accept any interference, including interference that may cause undesired operation of the device.

Section 7.1.2 of RSS-GEN

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

The operation of this equipment is subject to the following two conditions: (1) this equipment or device may not cause harmful interference, and (2) this equipment or device must accept any interference, including interference that may cause undesired operation.

Specifications

Operating Ambient Temperature

- Remote Controller: 32 to 120 °F (0 to 48.9 °C)
- Wireless Receiver: -40 to 165 °F (-40 to 73.9 °C)

Operating Relative Humidity

- Remote Controller: 5% to 90% (non-condensing)
- Wireless Receiver: 5% to 95% (non-condensing)

Physical Dimensions (Height, Width, Depth)

- Remote Controller: 4-5/64" x 4-5/64" x 1-1/16" (104 mm x 104 mm x 27 mm)
- Wireless Receiver: 3-3/32" x 1-3/4" x 39/64" (74.8 x 44.4 x 15.4 mm)

ADA Compliance

Please consult chapter 3 section 309 of the United States Access Board.



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