MITSUBISHI ELECTRIC

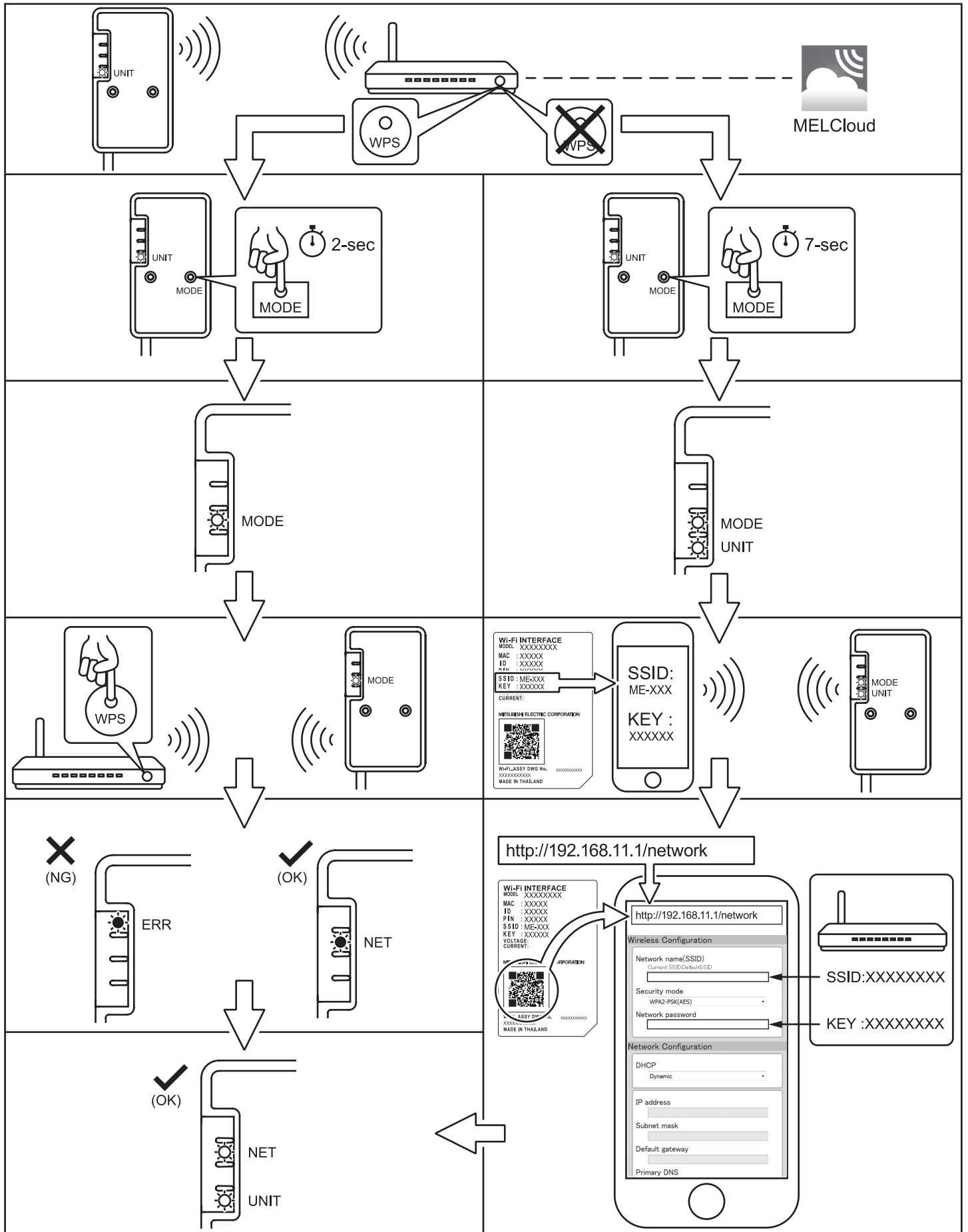# Wi-Fi INTERFACE
SETUP QUICK REFERENCE GUIDE

Before setting up, read the Safety precautions on the INSTALLATION MANUAL and INSTRUCTION BOOK.
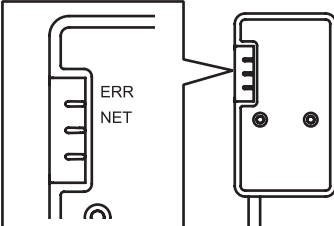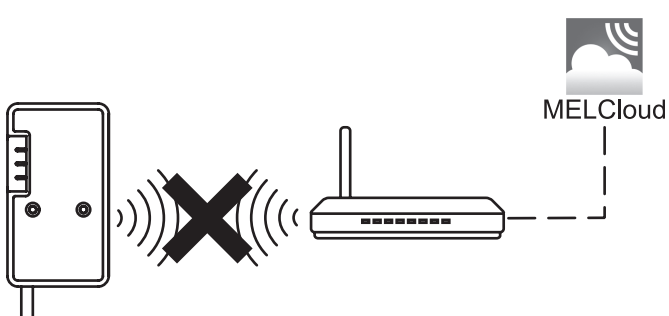For SETUP MANUAL and MELCloud User Manual, please go to the website below.
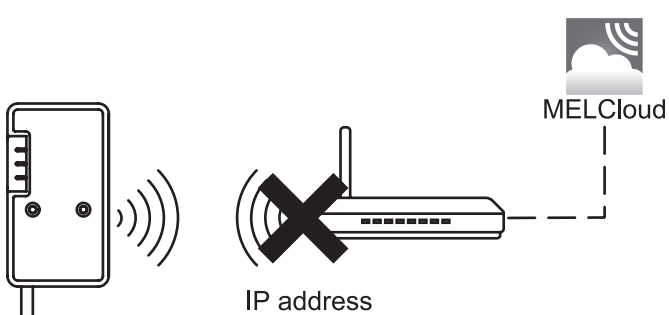http://www.melcloud.com/Support

SETUP

☀ ON   ☼ Flashing

MELCloud

UNIT

WPS   WPS

MODE — 2-sec

MODE — 7-sec

MODE

MODE
UNIT

WPS

MODE

Wi-Fi INTERFACE
MODEL : XXXXXXX
MAC : XXXXX
ID : XXXXX
SSID : ME-XXX
KEY : XXXXXX
CURRENT:
MITSUBISHI ELECTRIC CORPORATION
Wi-Fi_ASSY DWG No.
XXXXXXXXXX
MADE IN THAILAND

SSID: ME-XXX

KEY : XXXXXX

MODE
UNIT

✖ (NG)   ERR

✔ (OK)   NET

http://192.168.11.1/network

Wi-Fi INTERFACE
MODEL : XXXXXXX
MAC : XXXXX
ID : XXXXX
PIN : XXXXX
SSID : ME-XXX
KEY : XXXXXX
VOLTAGE:
CURRENT:

http://192.168.11.1/network

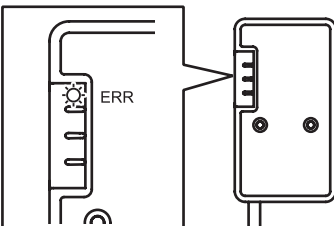**Wireless Configuration**
Network name(SSID)
Current SSID/Default SSID

Security mode
WPA2-PSK(AES)

Network password

Network Configuration
DHCP
Dynamic

IP address

Subnet mask

Default gateway

Primary DNS

SSID:XXXXXXX

KEY :XXXXXXX

✔ (OK)   NET

UNIT

JG79J013H01

Troubleshooting

LED Status	Diagram	Action
ERR: OFF NET: OFF	MELCloud	Try pairing the Wi-Fi interface with the Router.
ERR: Flash (Every 0.5-sec)	MELCloud IP address	Check DHCP settings of the Router. or Check IP address settings of the Wi-Fi interface.
ERR: Flash (Every 1 sec)	MELCloud DNS	Check DNS settings of the Router. or Check DNS address settings of the Wi-Fi interface.
ERR: Flash (Twice every 5 sec)	MELCloud Internet	Check if the Router is connected to the Internet.
MODE: Flash (Once every 5 sec)	MELCloud The Wi-Fi interface is set to Access point mode	Push MODE switch of the Wi-Fi interface for 7 seconds. Try pairing the Router again if the Wi-Fi interface is not connected.

KLIMA KONCEPT

2. Setting up

For details of switches and LEDs, refer to 2. Product Introduction on INSTALLATION MANUAL.

2-1. Initial state

Turn on the breaker of air conditioner or the ATW unit.
After LED indication enters the initial state shown on right, the Wi-Fi interface can be paired to the Router.
Refer to 3. LED pattern when LED indication does not enter the initial state.
Note: It may take a few minutes to enter the initial state.

Initial state

ERR	OFF
NET	OFF
MODE	OFF
UNIT	Flashing

2-2. Selecting a mode

The Wi-Fi interface must be paired to the Router in order for communication between the indoor unit and MELCloud to begin. There are 3 methods of pairing the Wi-Fi interface to the Router:
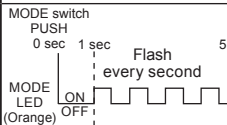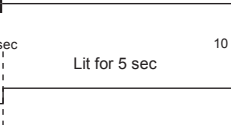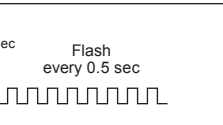● WPS-PUSH mode
● Access point mode
● WPS-PIN mode

The mode to be set depends on whether your Router has the WPS button.
Please use the pairing mode most suitable for your system.
Follow the table below to set the pairing mode with the MODE switch.
Set up the Wi-Fi interface and the Router again from 2-2. when the Router has been replaced.

| With WPS button	Without WPS button	
WPS-PUSH mode	Access point mode	WPS-PIN mode Refer to 2-5. first to set up WPS-PIN mode.
MODE switch PUSH 0 sec 1 sec Flash every second 5 sec MODE LED (Orange) ON OFF	Lit for 5 sec 10 sec	Flash every 0.5 sec
Release within a range of 1 to 5 seconds.	Release within a range of 5 to 10 seconds.	Release after 10 seconds.
↓	↓	↓
MODE LED flashes every second.	MODE LED flashes every 5 seconds.	MODE LED flashes every 0.5 seconds.
Proceed to 2-3.	Proceed to 2-4.	Proceed to 2-5.
Cancel Operation		
Push RESET switch for 2 seconds to return to initial state in 2-1.	Push MODE switch again for 5 to 10 seconds to return to initial state in 2-1.	Push RESET switch for 2 seconds to return to initial state in 2-1.

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2-3. Setting up in WPS-PUSH mode

1. Make sure that the LED indication is as shown below.
   Push WPS button of the Router within 2 minutes after the mode selection
   in 2-2. has completed.
   The WPS-PUSH mode will return to initial state in 2-1. if WPS button is
   not pressed for 2 minutes.

LED indication

Connecting

MODE Flash (every second)

Router
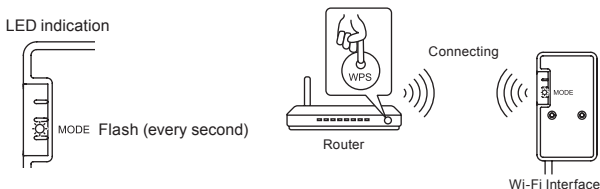
Wi-Fi Interface

2. LED indication will be as shown below when connection between the Router
   and Wi-Fi interface is completed and connection to MELCloud starts.
   Note: LED indication will return to initial state in 2-1. if the connection fails.
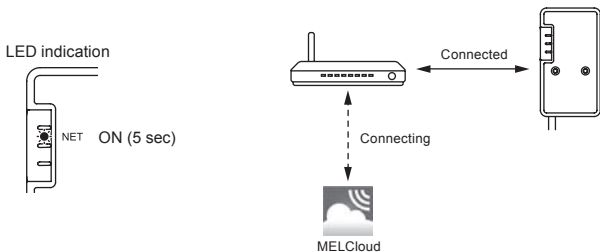
LED indication

Connected

NET ON (5 sec)

Connecting

MELCloud

3. LED indication will be as shown below when the connection is completed.
   Note: It may take several minutes to show the indication below.

LED indication

Connected

NET Flash (every 5 sec)

Connected

UNIT Flash (every 5 sec)
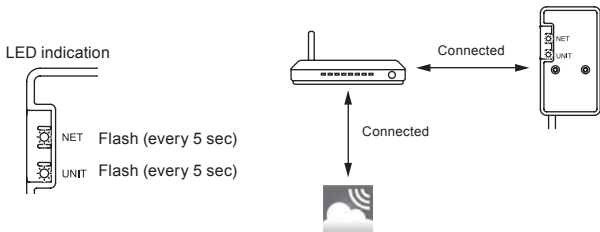
Main Causes that WPS failed are as follows.
Communication distance (from the Wi-Fi interface to Router), Router settings (encryption,
authentication, limit of connections, etc.)
For more information, refer to Troubleshooting in 3. LED Pattern.

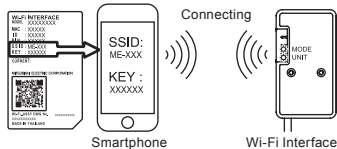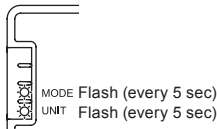## 2-4. Setting up in Access point mode

1. Make sure that the LED indication is as shown below.
   On the Wi-Fi Setting Screen on your smartphone, select SSID and enter KEY, which are printed on the label of the Wi-Fi interface.
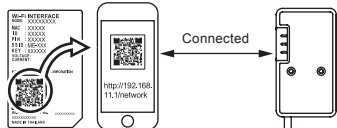   Notes:
   ● It may take time to show the indication below.
     (About 30 seconds for air conditioner, 60 seconds for ATW unit)
   ● Check Wi-Fi setting of your smartphone if SSID does not appear on it.
   ● Enter KEY again if SSID appears on your smartphone, but it cannot connect to the Wi-Fi interface.
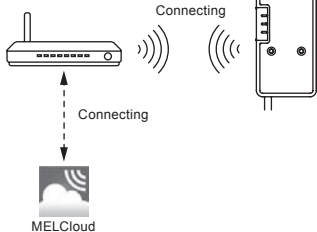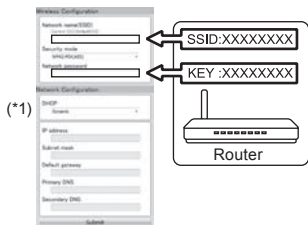
   LED indication

   MODE Flash (every 5 sec)
   UNIT Flash (every 5 sec)

   SSID: ME-XXX
   KEY : XXXXXX

   Connecting

   Smartphone   Wi-Fi Interface

2. Scan matrix barcode on the label of the Wi-Fi interface or type URL (http://192.168.11.1/network) in web browser.

   http://192.168.11.1/network

   Connected

3. In the displayed window, select Dynamic in DHCP (*1) and enter the information of Router, then tap the Submit button.
   Notes:
   ● If you want to use Static, select Static in DHCP (*1) and enter the information of Router and network, then tap the Submit button.
   ● LED indication will return to initial state in 2-1. if the connection fails.

   SSID:XXXXXXXX
   KEY :XXXXXXXX

   (*1)

   Router

   Connecting
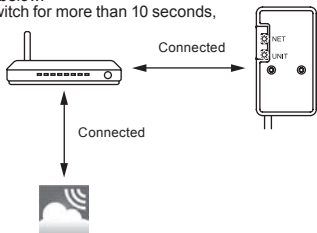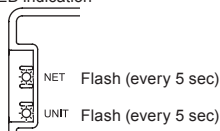
   Connecting

   MELCloud

4. LED indication will be as shown below when the connection is completed.
   Note: It may take several minutes to show the indication below.
     (If the indication does not change, push RESET switch for more than 10 seconds, e.g. 14 seconds, to restart the setup from 2-1.)

   LED indication

   NET Flash (every 5 sec)
   UNIT Flash (every 5 sec)

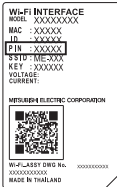   Connected

   Connected

GB-5

2-5. Setting up WPS-PIN mode

1. Before using WPS-PIN mode, the PIN code of the Wi-Fi interface needs to be set on the Router. Refer to Router's manual to enter the PIN.
2. Push MODE switch for more than 10 seconds and release to set WPS-PIN mode.
3. NET and UNIT LEDs flash (every 5 sec) when the connection is completed.
   Notes:
   ● Please make sure that the Router supports WPS-PIN mode.
     Not all Routers supports WPS-PIN mode.
   ● Push RESET switch for 2 seconds to reset the Wi-Fi interface if LED indication does not change after 5 minutes.
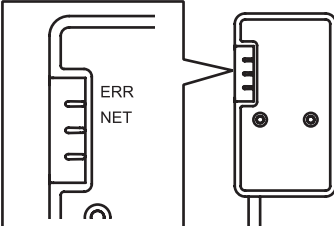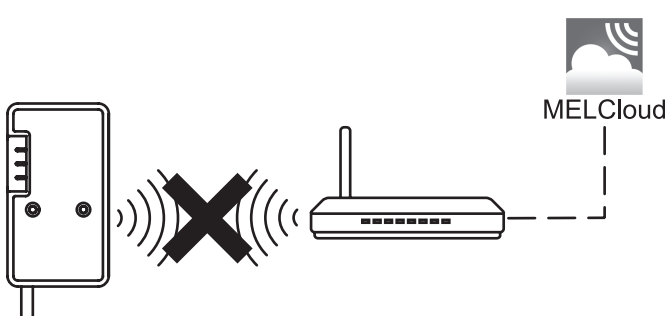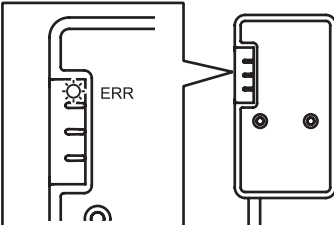
WI-FI INTERFACE
MODEL : XXXXXXXX
MAC : XXXXX
ID   : XXXXX
PIN : XXXXX
SSID : ME-XXX
KEY : XXXXXX
VOLTAGE:
CURRENT:

MITSUBISHI ELECTRIC CORPORATION

WI-FI ASSY DWG No. : XXXXXXXXX
XXXXXXXXXX
MADE IN THAILAND

GB

3. LED pattern
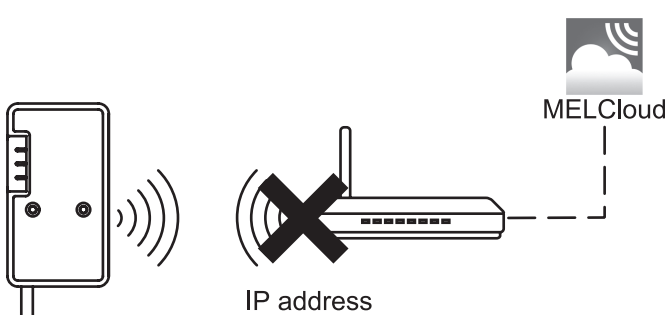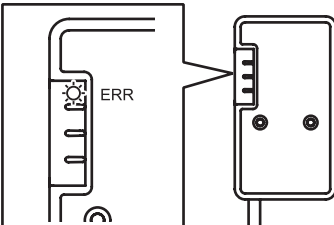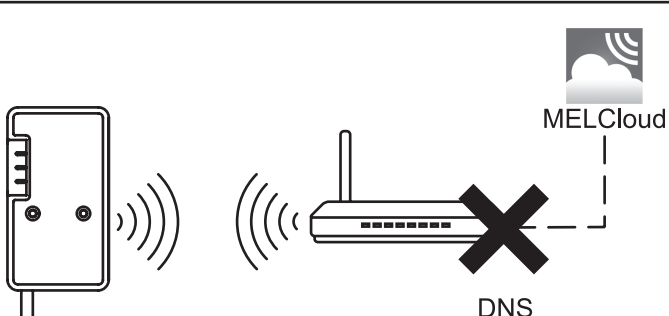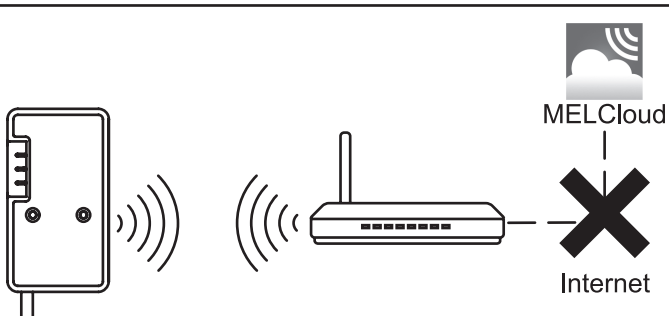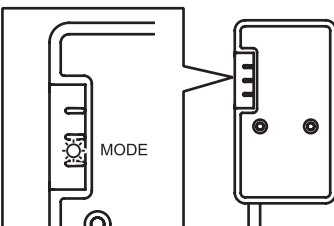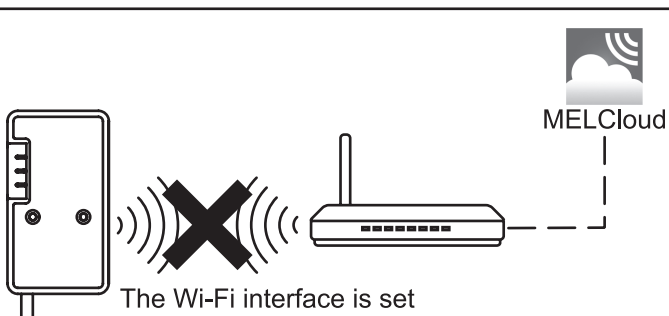
☀ : ON   ○ : OFF   ☼ : Flashing

● Software initializing

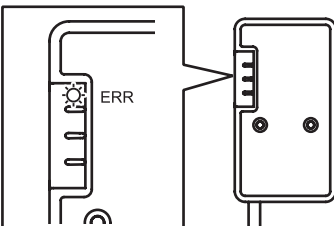| Description	ERR (Orange)	NET (Green)	MODE (Orange)	UNIT (Green)
Firmware updating	○	☀	☀	○
Firmware downloading	○	☼ (every second)	☼ (every second)	○
Reset to the factory default	○	○	☀	☀

● Wireless setting

Description	ERR (Orange)	NET (Green)	MODE (Orange)	UNIT (Green)
Access point mode activated	○	○	☼ (every 5 sec)	☼ (every 5 sec)
WPS-PUSH mode activated	○	○	☼ (every second)	○
WPS-PIN mode activated	○	○	☼ (every 0.5 sec)	○
Pairing process via WPS completed	○	☀ (5 sec)	○	○
Pairing process via WPS failed	☀ (5 sec)	○	○	○

● Connection to MELCloud in progress

Description	ERR (Orange)	NET (Green)	MODE (Orange)	UNIT (Green)
Communicating with MELCloud, and starting up indoor unit communication	○	☼ (*1)	○	☀
Communicating with MELCloud, and communicating with indoor unit	○	☼ (*1)	○	☼ (every 5 sec)

(*1) Details of flash pattern
   • Every 0.5 sec: Searching for MELCloud.
   • Every second: Registering the information of the Wi-Fi interface to MELCloud.
   • Every 5 sec: Communicating with MELCloud.

Troubleshooting

ERR: OFF **NET: OFF**		Try pairing the Wi-Fi interface with the Router.
ERR: Flash (Every 0.5-sec)	IP address	Check DHCP settings of the Router. or Check IP address settings of the Wi-Fi interface.
ERR: Flash (Every 1 sec)	DNS	Check DNS settings of the Router. or Check DNS address settings of the Wi-Fi interface.
ERR: Flash (Twice every 5 sec)	Internet	Check if the Router is connected to the Internet.
MODE: Flash (Once every 5 sec)	The Wi-Fi interface is set to Access point mode	Push MODE switch of the Wi-Fi interface for 7 seconds. Try pairing the Router again if the Wi-Fi interface is not connected.