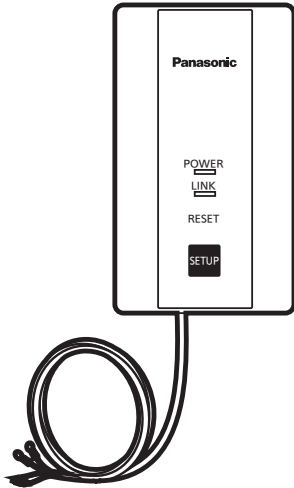


USER'S MANUAL WLAN Adaptor

Model No. **CZ-CAPWFC2**

English



Contents

Safety Precautions	2
System Overview.....	5
Parts Identification	6
Parts.....	7
Dimensions	7
WLAN Adaptor Installation	8
Connecting Network.....	11
Use the “Panasonic Comfort Cloud”	18
WLAN Adaptor Q & A	27
Firmware Update Function	29
Copyright.....	31
Specifications	40



Thank you for purchasing this Panasonic product.
Please read these instructions carefully before using this product, and save this manual for future use.

Please Read Before Starting

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

To view the USER'S MANUAL in another language, refer to the pages for that language. Also refer to the user's manual that can be viewed on the Panasonic Comfort Cloud.

The English text are the original instructions. Other languages are translations of the original instructions.

Safety Precautions

We assume no responsibility for accidents or damages resulting from methods other than those described in the USER'S MANUAL or methods without using specified parts. Malfunctions that occur due to the unauthorised installation methods are not covered by the product warranty.

- This WLAN Adaptor must be installed in accordance with National Wiring Regulations.
- Read the installation instructions of devices to be connected as well.
- When relocating or repairing this WLAN Adaptor, provide the USER'S MANUAL to the servicing personnel.
- Please provide this USER'S MANUAL to the user after installation.
Instruct user to keep it in a safe place along with the air conditioner instruction manuals.
- The QR Code includes information required to set up the WLAN Adaptor.
There are different QR Codes for each individual product.
- The QR Codes must be left with the customer after setting up. When multiple products are to be used, the QR Codes must be kept for each individual product.
- The QR Codes include information required to register the device. The codes should therefore be stored so that they cannot be viewed by people other than those with the proper authority.



WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

Precautions for Installation setup and WLAN Adaptor



WARNING

- Turn off the circuit breaker of the units before installation.
- Select an installation location which is rigid and strong enough to support or hold the WLAN Adaptor, and select a location for easy maintenance.
- Use only the parts specified by Panasonic as supplied accessories.
- Ensure cables are installed properly so that external forces cannot affect them.
- Disassembly and modification of the WLAN Adaptor is not permitted under any circumstances.
- The WLAN Adaptor must be installed by the sales dealer or installer.
- When installing the WLAN Adaptor, use appropriate protective equipment and tools for safety.
- The WLAN Adaptor should be securely installed in accordance with the USER'S MANUAL.
- Electric work must be performed by authorised personnel in accordance with the local regulations and the instructions detailed in the USER'S MANUAL.
- To avoid malfunctions caused by radio wave interference, keep the WLAN Adaptor away from devices such as other wireless device, microwaves and the device that use 2.4 GHz signal. Depending on the area, the module may not be available.
- Attach the electrical cover to the indoor unit securely.
- Make sure to connect the WLAN Adaptor to the P.C. board and terminal board of the indoor unit properly.
- Do not set up in hospitals or places where electronic medical devices are located.
- If you have a cardiac pacemaker or implantable cardioverter defibrillator, please keep at least 15 cm away from the WLAN Adaptor.
- Do not use the WLAN Adaptor near to automatic control equipment (automatic door, fire alarms, etc.).
- In case of an abnormal condition (such as a burning smell), stop the indoor unit and turn the breaker OFF.
- Do not operate with wet hands.
- Do not splash water on the WLAN Adaptor or use it in the bathroom.



CAUTION

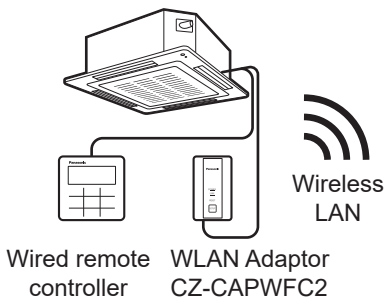
- Ground yourself to discharge static electricity before performing any wiring.
- Do not install the WLAN Adaptor in places with direct sunlight or where the ambient temperature is 55 °C or more or is 0 °C or less.
- The connecting cable must not touch piping directly.
- Do not set up where children can reach the WLAN Adaptor.
- Do not stand on an unstable surface when operating or checking the WLAN Adaptor.
- Do not use in special environments.
Use in places with much oil (including machine oil), steam, flammable or corrosive gas, voltage fluctuation, surrounding the metal body, may lead to severe decrease in functionality and damage to parts.
- Do not use the WLAN Adaptor nearby other wireless devices, microwaves, cordless phones, or facsimiles.
- This equipment is not suitable for use in locations where children are likely to be present.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
<for European market only>
This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

NOTE

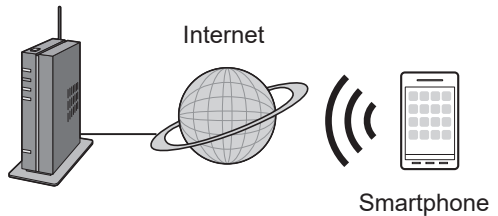
- Install the WLAN Adaptor vertically or horizontally.
- When attaching the WLAN Adaptor, be sure to use the supplied screws and confirm that the WLAN Adaptor is fixed to the surface so that there are no gaps.
- The warranty does not cover the product if it falls from an elevated location.
- The WLAN coverage must include the air conditioner installation location.
- Do not install the WLAN adaptor in locations easily accessible by third parties.
- Please write down the model information and more on the last page “Setting Information”, when you install the WLAN Adaptor.
- Requires a smartphone or tablet that is iOS/Android™ compatible.
- Please ensure that the Router supports the WPA™ / WPA2™ / WPA3™ encryption.
- To complete connection of this WLAN Adaptor to the wireless network service the Router may be required.
- The End user should read and accept the Terms of use and Privacy Notice in the contents of “Panasonic Comfort Cloud” app.
- Please avoid to set up multiple WLAN Adaptor registrations at the same time.
- There is a risk of unauthorised operation if a vulnerable password is set for the wireless router.
- Users are responsible for all costs associated with downloading and using the Comfort Cloud App and WLAN Adaptor, including without limitation all fees charged by your Device carrier and internet service provider and any other WLAN or data access charges.
- Panasonic WLAN Adaptor is designed for communication to the “Panasonic Comfort Cloud”.
- Third party WLAN interfaces cannot be connected to the “Panasonic Comfort Cloud”.
- Updates to the service may mean there are changes to the design of the “Panasonic Comfort Cloud” app screen and display.

System Overview

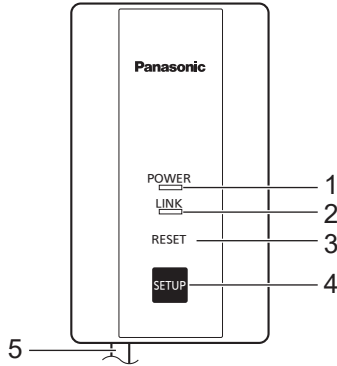
Indoor unit (example: 4-way cassette)

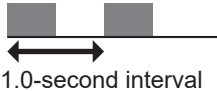
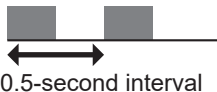


Router



Parts Identification



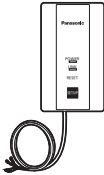

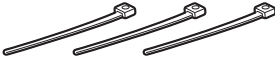
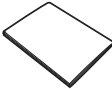
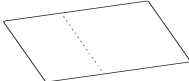
No	Item	Description
1	POWER LED (green)	<p>Indicates that the WLAN Adaptor is being supplied with power.</p> <p>On : Power being supplied Off : No power being supplied</p>
2	LINK LED (green)	<p>Indicates the communication status of the WLAN Adaptor to the router.</p> <p>Off : Not connected to router Blinks : In the process of connecting with router On : Connected to router</p> <p>The LINK LED does not light if the WLAN Adaptor cannot connect with a router.</p> <p>The following are cases with special LED indications.</p> <ul style="list-style-type: none"> When SETUP button is pressed and held The LED blinks to indicate how much time has elapsed. Blinks once after 5 seconds have elapsed Blinks twice after 10 seconds have elapsed Blinks three times after 15 seconds have elapsed Blinks four times after 20 seconds have elapsed Blinks five times after 25 seconds have elapsed Blinks six times after 30 seconds have elapsed Lights constantly after 35 seconds have elapsed When connecting with QR scan Blinks at 1.0-second intervals  When connecting with AP mode Blinks at 0.5-second intervals 

No	Item	Description
3	RESET button*1	Resetting the hardware Use to restart the WLAN Adaptor.
4	SETUP button*1	Used when making network settings. Refer to “Connecting Network” (Page 11) for details.
5	Communication lines (L=1.9 m)	These are the communication lines connecting the indoor units and the WLAN Adaptor. Refer to “WLAN Adaptor Installation” (Pages 8, 9) for details.

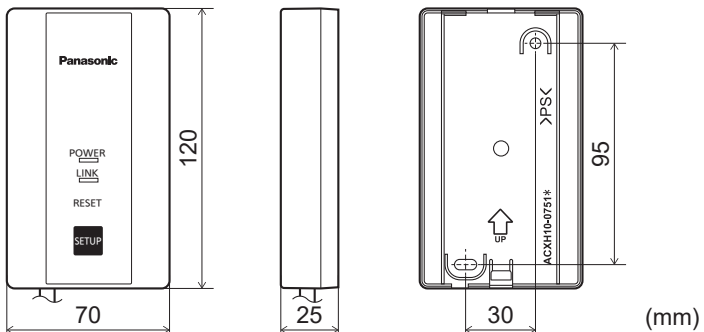
*1 Initialising the WLAN Adaptor

Press and hold the SETUP button (30 to 35 seconds). After this, press the RESET button within 5 seconds to initialise.

Parts

Adaptor Unit (1) (CZ-CAPWFC2) 	Screw (2)  M3.8 x 16
Clamper (3) 	USER'S MANUAL (1) 
Label (2D BARCODE for App Setting) (1) (Supplied with the USER'S MANUAL) 	

Dimensions



WLAN Adaptor Installation

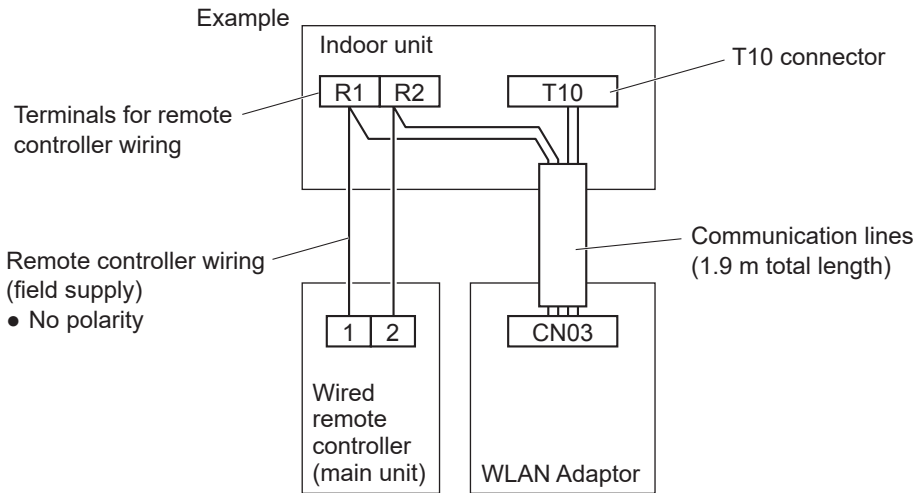
Basic Wiring Diagram

Irrespective of the number of indoor units, the WLAN Adaptor must be used together with a remote controller.

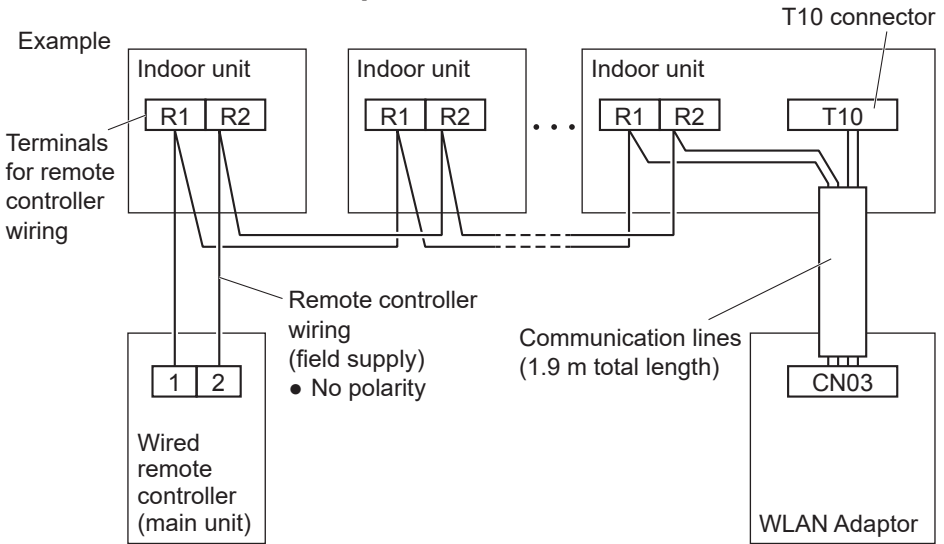
A remote controller must be connected and it should be set as the “main unit” in the main-sub remote controller settings.

- Refer to the remote controller installation instructions for details on how to make the main-sub settings for the remote controller.
- Total length of remote controller wiring: Within 500 m
(Remote controller wiring between indoor units is within 200 m)
- Number of units that can be connected for group control
 - Indoor units : Up to 8 units
 - WLAN Adaptor : 1 unit
 - Wired remote controller : 1 unit
- The system operates irrespective of the indoor unit you choose to connect the WLAN Adaptor and remote controller to.

■ When there is 1 indoor unit



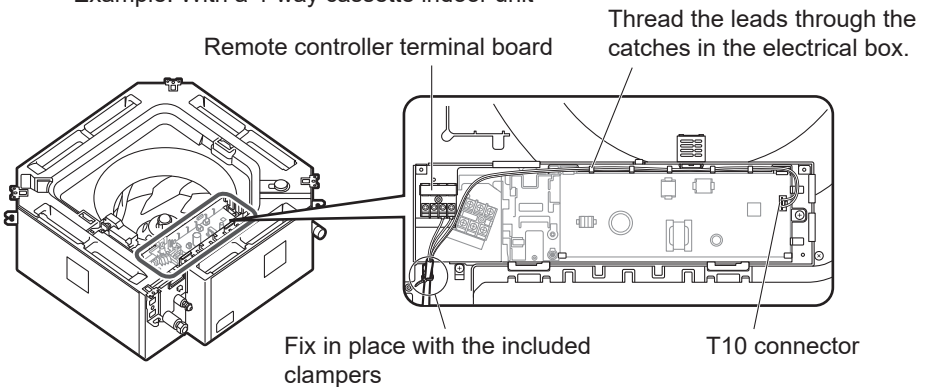
■ When there are multiple indoor units



Example of standard installation

1 Connect the communication lines to the indoor unit.

Example: With a 4-way cassette indoor unit

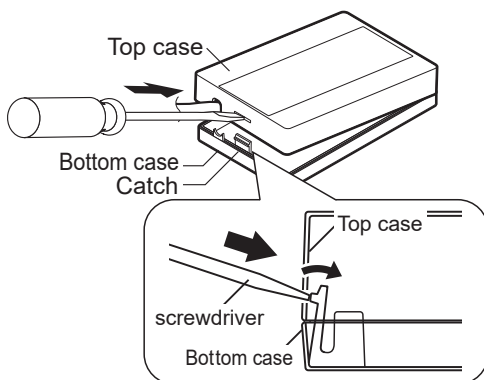


- Lead wires with crimper terminals should be connected to the remote controller terminal board.
(The lead wires with crimper terminals have no polarity.)
- Lead wires with connectors should be connected to the T10 connector.
- Fix the communication lines in place with the included clammers.
Make sure the clammers hold the parts coated in white.
- There may be left over lead wires depending on the type of indoor unit.
Tie back left over lead wires with the included clammers.

2 Remove the top case.

Use a flat head screwdriver or similar tool to push in the catch on the bottom case and remove the top case.

Take care not to break the catch when pushing with the screwdriver.

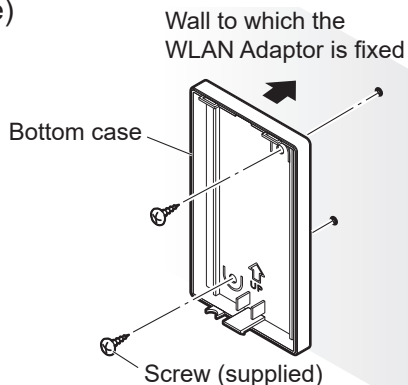


3 When attaching the bottom case to the wall (For installation on a wall surface)

Screws (supplied): 2

Attach the bottom case to the wall with the UP mark facing upwards. Please ensure screws are tightened firmly. Do not overtighten screws as this may damage the casing.

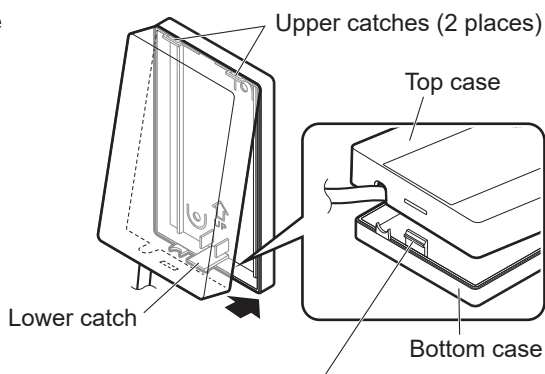
Ensure that the screws do not contact metallic parts within the wall.



4 Attach the top case.

Fit the upper catches before fitting the lower catch.

Take care not to pinch the communication lines in the case.



When fitting the lower catch, press down on it with a flat head screwdriver or similar tool and then fit the top case onto it. Note that applying too much pressure to the flat head screwdriver may result in damage to the catch.

Connecting Network

- Initial settings use the QR Code.
(Included with the USER'S MANUAL supplied with the product.)
The QR Code is also used when adding product users and when resetting.
- The QR Codes must be left with the customer after setting up.
- The QR Code includes information required to register the device. The code should therefore be stored so that they cannot be viewed by people other than those with the proper authority.
- When multiple products are to be used, the QR Codes must be kept for each individual product.
The serial numbers can be used to relate the products themselves and their QR Codes.

Label

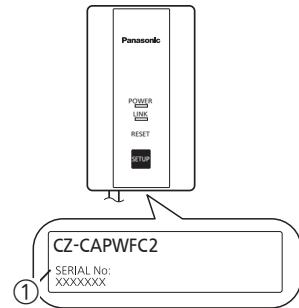
(2D BARCODE for App Setting)

				SPARE	
①	SERIAL No	XXXXXXX	SERIAL No	XXXXXXX	
			Model No	CZ-CAPWFC2	
			Memo		
					③

- ① : Serial No
- ② : Model No
- ③ : Memo

(By noting the installation locations of the WLAN adaptors,
it will be easier to associate the products themselves and their QR Codes)

Adaptor Unit (CZ-CAPWFC2)



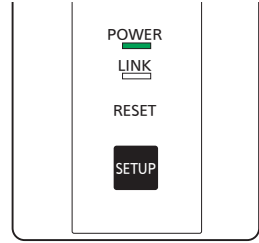
Establish network connection to the internet via Wireless mode.

1 Turn on the power supply to the indoor unit.

- The POWER LED will be lit (green).
- The LINK LED will not be lit.

<Note>

- It will not be possible to make network settings for approximately 3 minutes after turning on the power of the WLAN Adaptor due to initial settings being performed.



2 App Installation

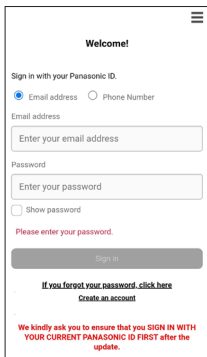
For iOS user	For Android™ user
<ul style="list-style-type: none">• Open .• Search for “Panasonic Comfort Cloud” app.• Download and install.	<ul style="list-style-type: none">• Open .• Search for “Panasonic Comfort Cloud” app.• Download and install.

<Note>

- The app user interface image may change for version upgrade without notification.
- There is no charge for using this application. However, other charges may be incurred for connection and operation.

3 Starting “Panasonic Comfort Cloud”

3.1 Create New Panasonic ID



Use “Panasonic Comfort Cloud” app as an option to control the air conditioner.

- For new user, select “Create an account”.
- For registered user, login using your Panasonic ID and password.

<Note>

- It is recommended that the password is changed periodically.

3.2 App Setting

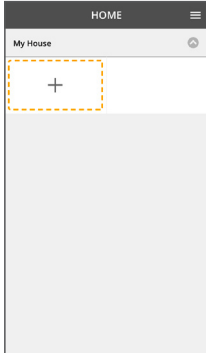
Before setting

- Confirm the wireless router is connected to the network and the router has access to the internet.
- Confirm the Wireless LAN of the smartphone is activated.
- Smartphone and air conditioner should be connected to the same wireless LAN.
- Ensure Wireless LAN is broadcasting SSID.

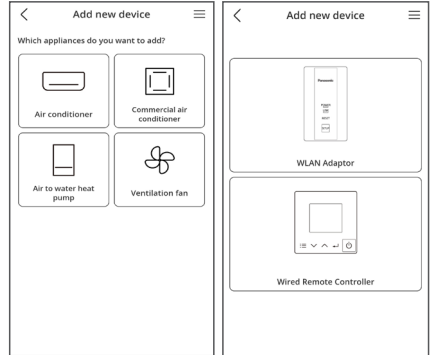
Add new air conditioner device

- The air conditioner needs to be registered before using “Panasonic Comfort Cloud” app.

1. At My Home screen, tap “+” to add new product.



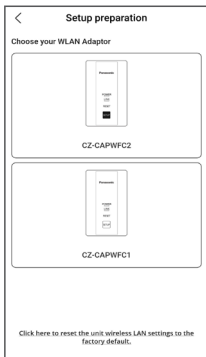
2. Select the “Commercial air conditioner” and choose the “WLAN Adaptor”.



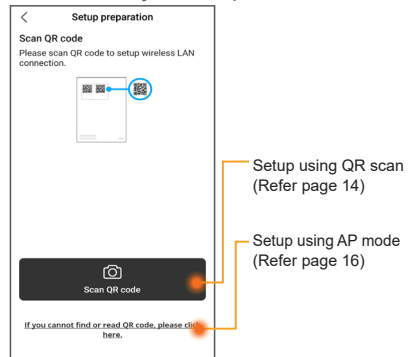
<Note>

The WLAN Adaptor is available for use with all indoor units of commercial air conditioners with names which start with “S-” except S-80/125MW1E5.

3. Tap “CZ-CAPWFC2”.



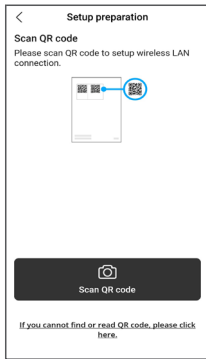
4. Select the way to setup.



3.2 App Setting

Setup using QR scan

1. Tap “Scan QR code”.

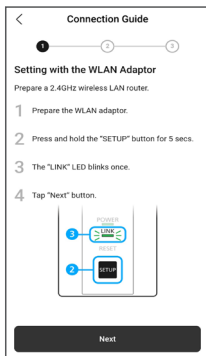


2. Scan in progress.

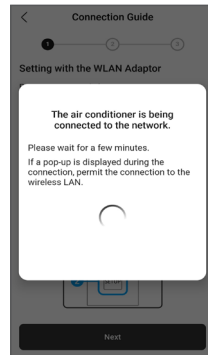


*1 If QR scan is failed. Proceed to “Setup using AP mode”. (Refer page 16)

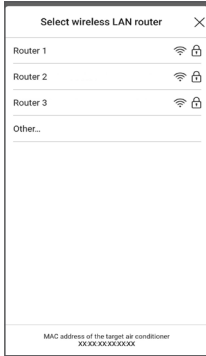
3. Follow the screen instructions from the app.
Tap “Next”.



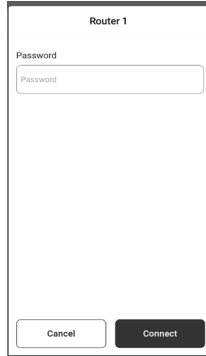
4. Connection in progress.



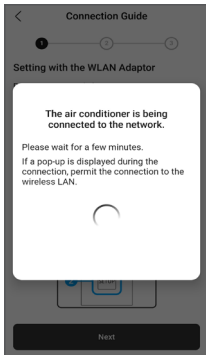
5. Select your router.



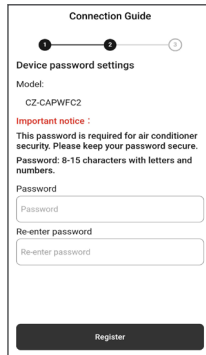
6. Input router password.



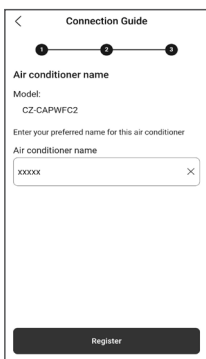
7. Connection in progress.



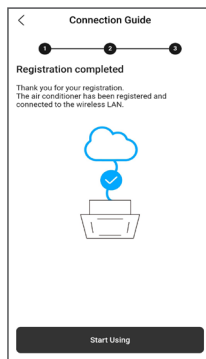
8. Set a device password.



9. Enter a name for the air conditioner.



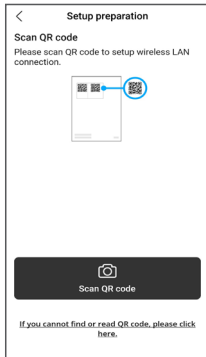
10. Registration completed.



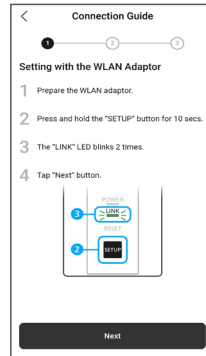
3.2 App Setting

Setup using AP mode

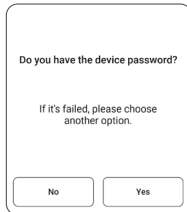
1. Tap “can't find QR code”.



2. Follow the screen instructions from the app.
Tap “Next”.



3. Tap “No”.

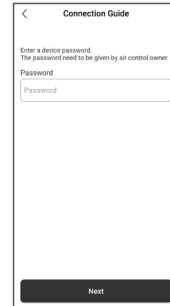


<Note>

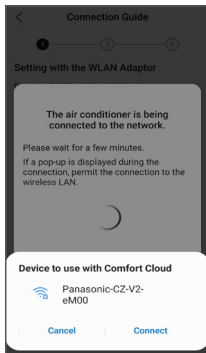
The device password is required if the device password has already been set.

Tap “Yes” and enter the device password.

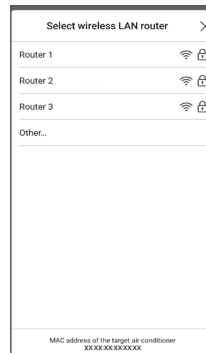
*The device password is set when first registering the product.
(Refer page 15 or 17)



4. Tap “Connect”.



5. Select your router.



6. Input router password.

Router 1

Password

Cancel Connect

7. Connection in progress.

Connection Guide

Setting with the WLAN Adaptor

The air conditioner is being connected to the network.

Please wait for a few minutes.

If a pop-up is displayed during the connection, permit the connection to the wireless LAN.

Next

8. Set a device password.

Connection Guide

1 2 3

Device password settings

Model:
CZ-CAPWFC2

Important notice :
This password is required for air conditioner security. Please keep your password secure.
Password: 8-15 characters with letters and numbers.

Password

Re-enter password

Register

9. Enter a name for the air conditioner.

Connection Guide

1 2 3

Air conditioner name

Model:
CZ-CAPWFC2

Enter your preferred name for this air conditioner

Air conditioner name

Register

10. Registration completed.

Connection Guide

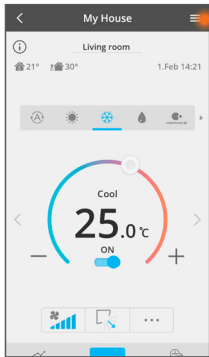
1 2 3

Registration completed

Thank you for your registration.
The air conditioner has been registered and connected to the wireless LAN.

Start Using

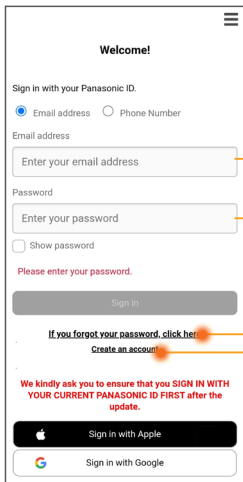
Use the “Panasonic Comfort Cloud”



User’s manual can be found under Menu tab.

The “Panasonic Comfort Cloud” is connected to the WLAN Adaptor and ready for use.

Login



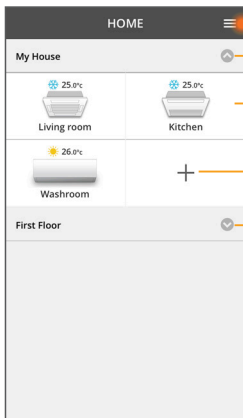
Panasonic ID

Password

Reset Panasonic ID / Password

Register for new Panasonic ID

Home Screen



Main menu (Page 19)

1st group

Device

Add new device

2nd group

Main Menu

Options for administrator only

- User list (Page 19)
- Change device password (Page 20)
- Replace the device (Page 20)
- Change router settings (Page 20)
- List of devices (Page 21)
- List of groups (Page 22)
- Change the language of the app
- User's manual
- Terms of use
- Privacy notice
- Copyright
- Account management
- Logout from current Panasonic ID

User List

Edit the name of the user

Enable control of user

Edit / delete the user control

User's control rights

Note	Edit	Allow control	Delete
UserA		<input checked="" type="checkbox"/>	
UserB		<input checked="" type="checkbox"/>	
UserC		<input type="checkbox"/>	
UserD		<input type="checkbox"/>	
UserE			Waiting for approval

Do not approve

Only allow monitoring air conditioner status

Allow both monitoring and controlling air conditioner

Confirm

Change of Device Password

Changing device password

Make sure the device is correct and enter old password and new password. Password must be 8-15 characters with letters and numbers.

My House
Living room
Model
CZ-CAPWFC2

Old password

New password

Re-enter new password

Register

Input old password

Input new password

Retype new password

Replace the Device

Replace device

My House
Living room
CZ-CAPWFC2

Replace the WLAN adaptor

- 1 Connect the WLAN Adaptor to the server via wireless router.
- 2 Register the air conditioner to the server with smartphone.

*Kindly redo weekly timer setting after replacement of WLAN adaptor.

Start

Select "Replace device" from the menu

Tap Start

Follow the step by step instruction from app

Setup preparation

Choose your WLAN Adaptor

CZ-CAPWFC2

CZ-CAPWFC1

Click here to reset the unit wireless LAN settings to the factory default.

Change the Router Settings

Change router settings

My House
Living room
CZ-CAPWFC2

Set up the wireless network again when you have replaced the wireless router or changed the password. You will have to set up each device if two or more air conditioners are connected to the same router.

Start

Select "Change router settings" from the menu

Tap Start

Follow the step by step instruction from app

Setup preparation

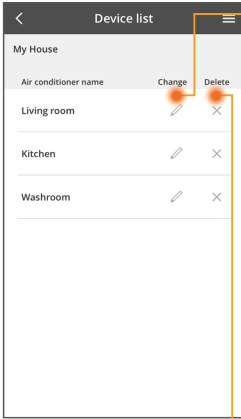
Choose your WLAN Adaptor

CZ-CAPWFC2

CZ-CAPWFC1

Click here to reset the unit wireless LAN settings to the factory default.

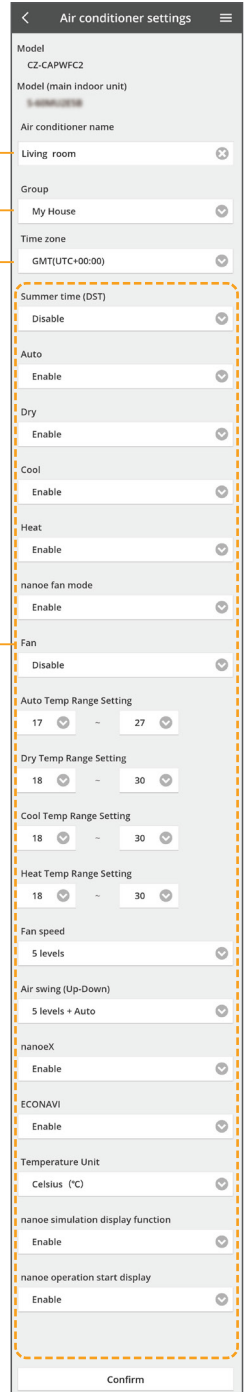
■ Device List



Edit the device information and setting

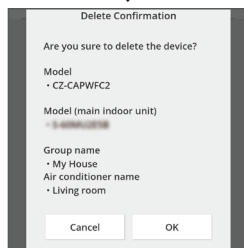


- Edit device name
- Change device group
- Time zone selection

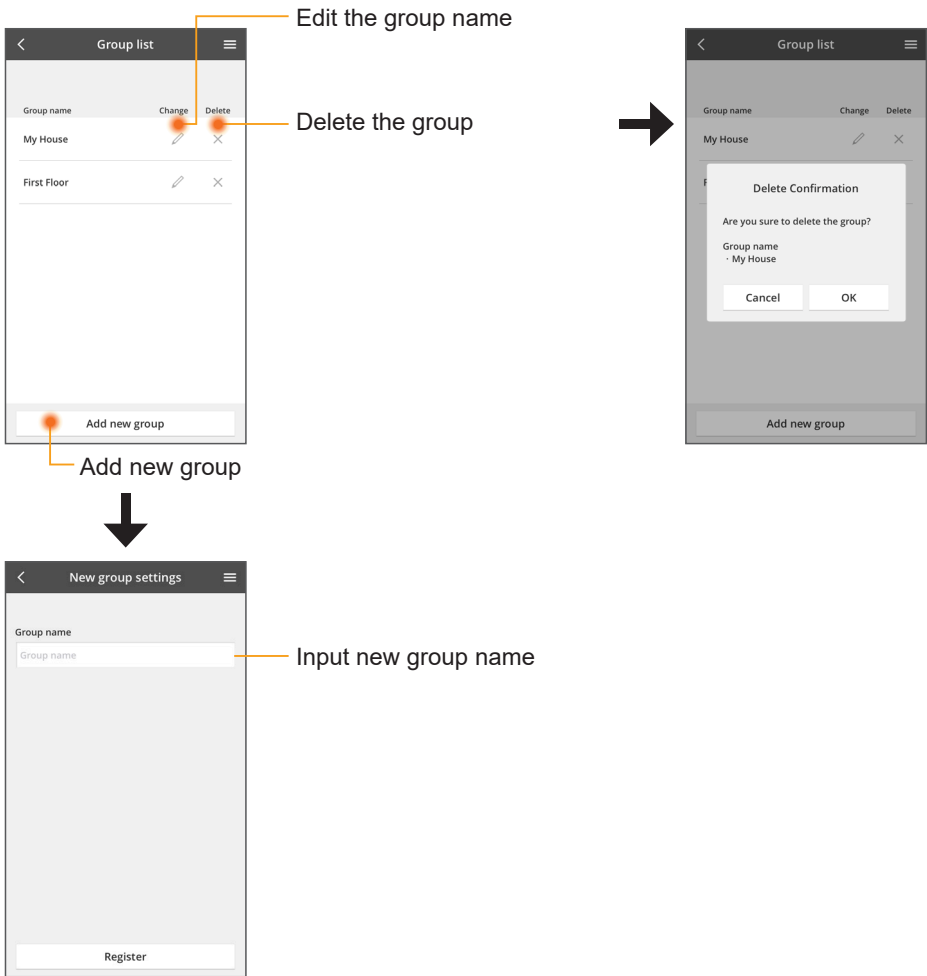


Features selection
(Features vary dependent on air conditioner model)

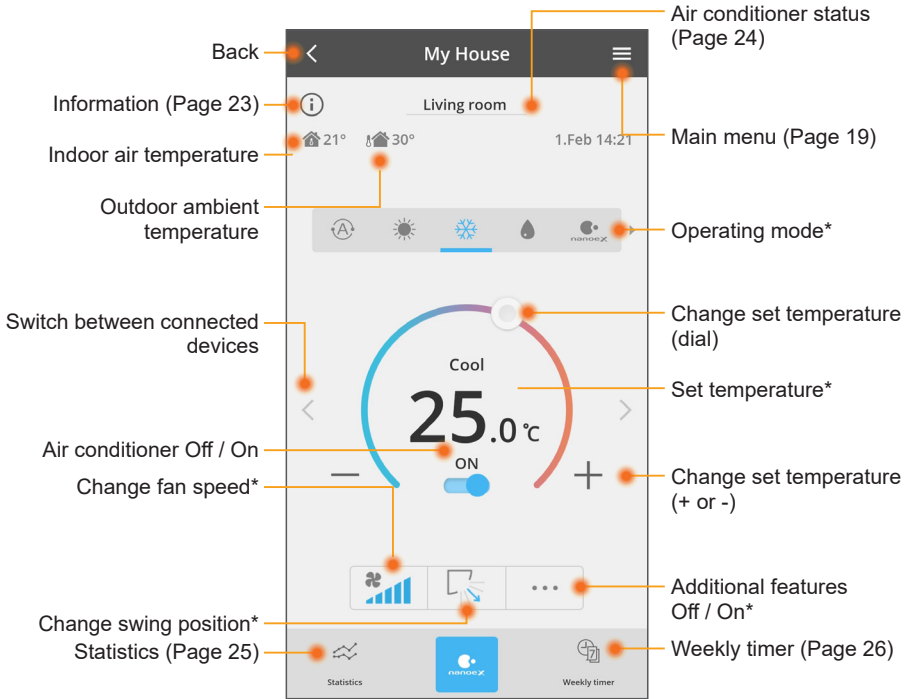
Delete the device



■ Group List

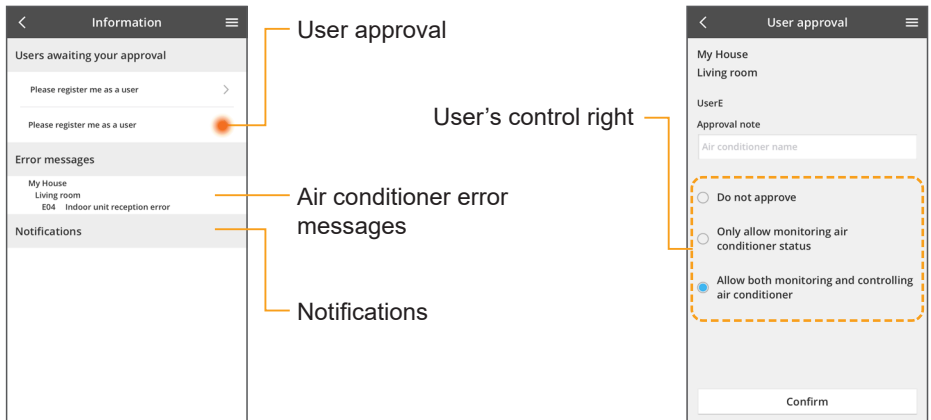


Main Device Screen

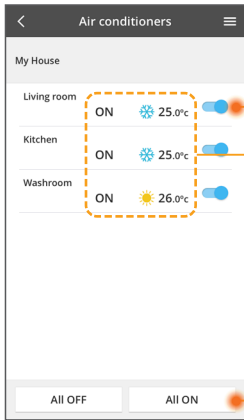


* Features vary depending on air conditioner model.

Information



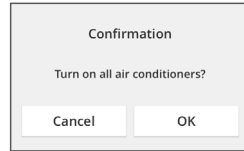
■ Air Conditioner Status



Individual off / on toggle

Air conditioners status
(Off / On, mode and set temperature)

All off / on



Statistics

Selection of type

Chart

Set temperature

Comparison of selected dates

Outdoor temperature

Indoor temperature

Date selection

Information for the selection date

* Estimated energy consumption may not be supported by certain models.

Comparison

Information of the selected comparison dates

- Dates are greyed out if data could not be obtained.

Date selection

Week selection

Month selection

Year selection

Weekly Timer

Edit timer

Off / On timer toggle

Add new timer

Edit timer

Copy timer

No.	Time	Settings
1.	10:00	25.0°C
2.	14:00	OFF
3.	18:00	25.0°C
4.	20:00	OFF
5.	22:00	27.0°C
6.	-	-

Add New Timer

Set time

Set conditions

Select mode


Select temperature

Off / On


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WLAN Adaptor Q & A

Initial setting

<p>“Panasonic Comfort Cloud” app cannot be installed in smartphone.</p>	<p>Check if OS of the smartphone is compatible. The APP is not guaranteed to work with all versions of Android™ OS.</p>
<p>WLAN Adaptor and router cannot be connected.</p>	<ul style="list-style-type: none"> ● Confirm that the POWER LED is on. ● Check the following if the LINK LED does not light. ● Ensure the router’s WLAN signal reaches the WLAN Adaptor, the SSID is not hidden, the MAC address setup is enabled for the WLAN Adaptor, the router’s dual band signal is enabled for 2.4 GHz connection. ● Check the network connections. (Refer to Page 11) Refer to the smartphone and router installation manual for detail. ● Check the router settings. A router function (such as band steering for example) may be trying to connect the unit to the 5 GHz band, making it impossible to connect. Turn off the router function if this is the case.
<p>Register additional air conditioner to “Panasonic Comfort Cloud” app.</p>	<p>To set register additional units, follow the “Add new air conditioner device” procedure, as detailed at the beginning of this manual. To easily distinguish each air conditioner unit, It is recommended to uniquely name each device accordingly.</p>
<p>Register additional user to control the air conditioner.</p>	<p>Download “Panasonic Comfort Cloud” app and create new Panasonic ID. Follow initial setting. Approval from administrator (first user) is required to complete the registration. For administrator approval, select the  Menu. Choose “Owner” and select “User List” to approve additional user.</p>

Wireless Connection

Suspicious unauthorised access to the air conditioner (WLAN Adaptor).	Reset the WLAN Adaptor to manufacturing default condition by referring to "To transfer or dispose the WLAN Adaptor. When resetting the WLAN Adaptor because you have forgotten the password." method in the next section. Complete initial connection setup.
Change of smartphone's model.	Ensure the smartphone compatibility. Install "Panasonic Comfort Cloud" app and login using your Panasonic login ID and password. Complete by initial connection setup.
Change of WLAN Adaptor.	Change the WLAN Adaptor and then, use "Panasonic Comfort Cloud" app to select  Menu. Choose "Owner" and "Replace device". This shall be performed by authorised service dealer.
Replacement of router.	From "Panasonic Comfort Cloud" app, select Menu . Choose "Owner" and select "Change router settings".
Cannot find the QR Code.	The QR Code is affixed to the back cover of the manual supplied with the product. If you have lost the QR Code, use the AP mode (P.16) to setup.
QR Code cannot be read.	Wipe the QR Code clean if it is dirty. If the QR Code can still not be read, use the AP mode (P.16) to setup.
Error occurs after reading QR Code.	You may be trying to read the wrong QR Code. Confirm that the serial number on the product and the serial number on the QR Code match. If you cannot find a QR Code with a matching serial number, use the AP mode (P.16) to setup.
Do not know the password of the device.	No password is set when first registering the product. If you are asked whether you have a device password, select "No". A password has been set when registering any time after the first time, such as when adding a user. Select "Yes" and enter the device password that was set when first registering the product (P.15 or P.17). If you have forgotten the device password, refer to "When resetting the WLAN Adaptor because you have forgotten the password.", and reset the WLAN Adaptor to the manufacturing default condition.

Others

<p>To transfer or dispose the WLAN Adaptor.</p> <p>When resetting the WLAN Adaptor because you have forgotten the password.</p>	<p>Reset the WLAN Adaptor to manufacturing default condition.</p> <ol style="list-style-type: none">1. Press and hold the "SETUP" button on the WLAN Adaptor for 30 seconds.2. After releasing the "SETUP" button on the WLAN Adaptor, press the "RESET" button on the WLAN Adaptor.3. Once LINK LED has gone out, the factory reset is complete. <p>To unregister the air conditioner unit from "Panasonic Comfort Cloud" app, select the Menu and choose "Device list" to delete the set unit.</p>
<p>Operations are not possible from the smartphone.</p>	<p>Check the following:</p> <ul style="list-style-type: none">• Ensure that the function is supported by the air conditioner.• Ensure that remote controller operation is not disabled by the central control device.

Firmware Update Function

This product has functionality for connecting to the Panasonic firmware update server over the Internet to automatically update the device firmware to the latest version. To update the firmware, the device will do check, once per day, whether its firmware is the latest version after power up. And if an update is required, the update is applied and the device restarts automatically. Operations are not possible while the device is being restarted (Requires a maximum of five minutes).



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Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

Specifications

Input Voltage	DC12 V (supplied from the T10 connector of the indoor unit)
Power consumption	Max: 2.4 W
Size	(H) 120 mm × (W) 70 mm × (D) 25 mm
Weight	190 g (including communication lines)
Interface	Wireless LAN
Wireless standard	IEEE 802.11 b/g/n
Frequency range	2.4 GHz band
Encryption	WPA™ / WPA2™ / WPA3™
Temperature/ Humidity range	0 °C to 55 °C / 20 % to 80 % (no condensation) *Indoor use only

Setting Information


WLAN Adaptor serial number (ID)	
Indoor unit model name	
Indoor unit serial number	
Outdoor unit model name	
Outdoor unit serial number	
System commissioning date	
WLAN Adaptor installation date	


Installer Contact Details

Name	
Telephone number	

Maximum radio-frequency power transmitted in the frequency bands

Type of wireless	Frequency band	Max EIRP (dBm)
WLAN	2412-2472 MHz	20 dBm

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Winsbergring 15, 22525 Hamburg, Germany

 Contact in the UK
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