

Wireless LAN control for air conditioner



PART No. 9384296009-02

FUJITSU GENERAL LIMITED

INTRODUCTION

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You can control your air conditioner from outside the room or from a distant location through wireless LAN connection.*¹



NOTES:

- *1: FGLair compatible air conditioner with W-LAN adapter (as "this product") is necessary.
- *2: Usable functions may differ with each air conditioner model. Please refer to the operating manual of your air conditioner for details.
- *3: The display contents are subject to change as a result of updates in the mobile app, and may not match the actual screen.
- *4: Battery saving mode is not recommended while using this app. It may affect the communication between this app and the air conditioner.

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Items to check

Please prepare the following items before using this product.

Air conditioner	FGLair compatible air conditioner with W-LAN adapter		
Wireless Router	This product uses a wireless router that supports IEEE802.11 b/g/n wireless LAN standard. Set the connection to the wireless router with WPS to perform communications by wireless LAN. Refer to the operating manual of the wireless router you wish to use, if it supports IEEE802.11b/g/n or WPS.		
Smartphone or Tablet PC	Supported OS:Android OSiOSPlease check the latest supported Oversion at Google play or App store.		
Documents	Setting manual of Wireless LAN control Operating manual of indoor unit		

Android and Google Play are registered trademarks of Google Inc.

App store is a service mark of Apple Inc., registered in the U.S. and other countries. IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

-NOTES:-

When mobile app has been updated, a notification will be sent from Google play or App store.

Keep the mobile app up to date to strengthen the security, improve the function, and fix bugs.

- To prevent personal injury, or property damage, read this section carefully before you use this product, and be sure to comply with the following safety precautions.
- Incorrect operation due to failure to follow the instructions may cause harm or damage, the seriousness of which is classified as follows:

This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user or damage to property.

This mark denotes an action that is PROHIBITED.

This mark denotes an action that is COMPULSORY.



When you use this product, it will become possible to operate the air conditioner from locations where you cannot see it directly. This means that people in the room may be exposed to the unintended operation of the air conditioner. Check the condition of the room before using this product.

• Be sure to check on a regular basis that the power supply to the air conditioner is securely connected, and that dust has not built up in the surrounding area.

It may cause heating, or fire.

- Be sure to check in advance that there are no malfunctions of the air conditioner.
- Be sure that the airflow from the air conditioner will not cause any adverse effects.

Objects may fall down causing personal injury, fire, or damage to property.

• If you know that there are people in the vicinity of the air conditioner, inform them in advance that you will be operating and stopping it from a distant location.

Sudden operation or stopping of the air conditioner may surprise a person and cause the person to fall down or tumble if the person is on a stand. Furthermore, rapid changes in the room temperature may cause deterioration in a person's physical condition. Do not use this product when there are people in the room who are not able to control the temperature by themselves (For example, infants, children, those with physical disabilities, elderly or sick persons.).

• Fully understand the reserved timer settings and other operations before using this product.

Unexpected operation or stopping of the air conditioner may cause deterioration in a person's physical condition or an adverse effect on animals or plants.

 Frequently check the settings and operating situation of the air conditioner when using this product from a distant location.
Rapid changes in the room temperature may cause deterioration in a person's

physical condition or an adverse effect on animals or plants.

- When you operate the air conditioner from this product, the indicator lamps on the indoor unit will turn on, but the lamps will not blink nor will there be any reception sounds from the indoor unit.
- If there is bad reception between this product and the wireless router, adjusting the wireless router position or direction of the antenna may improve the reception. It may also be possible to improve reception by moving the wireless router closer to this product or using a wireless LAN repeater.

When you use a wireless LAN, there are precautions that you must follow in relation to radio waves, personal information, and so on. To use this product correctly, be sure to read the following precautions and the operating manual of the wireless LAN equipment you are using. We will assume no responsibility, unless legal liability is recognized, in regards to failures, other defects and damages incurred by use of this product that occur through incorrect use or during use by yourself or a third party.

Radio Wave Usage Precautions

- Do not use this product in the following locations. Using this product in such locations may cause communications becoming unstable or not possible.
 - Near wireless communication equipment that uses the same frequency band (2.4 GHz) as this product.
 - Places where there are magnetic fields from equipment such as microwave ovens, or static electricity or radio wave interference occurs. (Radio waves may not reach depending on the environment.)

Personal Information (Security-related) Usage Precautions

- There is a possibility of interception when you use wireless LAN equipment due to the use of radio waves regardless of whether you use encryption or not.
- Wireless LAN uses radio waves to exchange information between this product and the wireless router. This means it has the advantage of freely being able to make a LAN connection if within reach of radio waves. On the other hand, if the radio waves are within a certain range, they will reach all locations beyond obstacles (e.g. walls). Therefore, it is possible your communications may be intercepted and read or illegally intruded upon.
- Do not connect to equipment and networks which you are not authorized to use when setting up your wireless connection.
- Initialize the settings of this product when disposing it, or transferring it to a third party.

Others

Use this product as regular wireless LAN equipment.

- Do not use this product in hospitals or in/near locations with medical equipment.
- Do not use this product within aircraft.
- Do not use this product near electronic equipment that handles high-precision control or weak signals.

Examples of electronic equipment to be careful of:

Hearing aids, pacemakers, fire alarms, automatic doors and other automatic control equipment.

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- This is not a guarantee of wireless connection and performance with all wireless routers and in all residential environments. Radio waves may not reach or may be interrupted in the following situations.
 - · Use in buildings made from concrete, rebars or metal.
 - Installation near obstacles.
 - Interference with wireless communication equipment using the same frequency.
 - Places where there are magnetic fields from equipment such as microwave ovens, or static electricity or radio wave interference occurs.

Set up this product and install the mobile app only after reading the operating manual of the wireless router.

About this manual

This manual explains how to use the mobile app to control this product.

Internet access

To use this mobile app, Internet access is necessary.

Please confirm that the connection to the wireless LAN network is strong and will not break during setting.

- The air conditioner settings from the mobile app will not be reflected in the wireless remote controller.
- It will not be possible to give operation instructions or carry out monitoring from the mobile app while the power supply is disconnected from the air conditioner (via breaker or plug).
- The room temperature will be shown in the mobile app during operation. However, the temperature may not be correct depending on the situation in the room, or the air conditioner operating status. Use this only as a reference.
- If the mobile app and remote controller settings differ, the latest operation performed will take priority.
 - * If timers are set from the mobile app and from the wireless or wired remote controller, both timer settings will be active.

Name of parts (Air conditioner side)

For W-LAN adapter with SSID which start with "AP-".





For W-LAN adapter with SSID which start with "AC-UTY-".



Sleep mode**

*Lighting pattern: Off On Hinking

When the W-LAN adapter is not used

- The W-LAN adapter will turn to Sleep mode when the wireless LAN setup is not completed within an hour after the power supply is connected to the air conditioner (via breaker or plug).
- The W-LAN adapter cannot be used during the Sleep mode. The W-LAN adapter will be nonfunctional, and both indicator lamps will be off.

To use the W-LAN adapter

Press the setup button of the W-LAN adapter. Confirm that the indicator lamps turn on.

**For products with the Sleep mode only. Refer to the setting manual to see if it applies to your W-LAN adapter.





Selecting the world region

Setting of "Select Country" is required to get started. Select the country where your air conditioner is installed.

Select Country/Region

FGLair	
Select Country/Region	
Australia	>
Sign in	

When launching the mobile app for the first time, select the region of installment from the list in the following screen. To set, tap [OK].

-NOTES:-

• If you do not set the region correctly, you may not be able to register the air conditioner.

If you do not have an account, tap [Create Account]. (Refer to page 14.)

If you have an account, tap [Sign in]. (Refer to page 15.)

Create an account

	First Name
	Last Name
	E-mail Address
	Password
	Password Confirmation
	Show the Terms of Service.
•0	Show the Terms of Service. By checking this box, you agree to be bound by the Terms of Service and additional terms and conditions provided by third party application stores (including, without Store and Google SCrOIL Screer By clicking this box, you agree to the collection, Use and disclosure of your Personal Information as described in the Privacy Policy, including the transfer of your Personal Information to our affiliate in Japan, which will use and protect youu Personal Information in accordance with this Privacy Policy.

Enter your e-mail address, password and other information as shown, then check the box if you agree with the Terms of Service. (Approval is necessary to use this mobile app.)

A confirmation message will be sent to the e-mail address you have registered.

To complete creating the account, tap the link in the confirmation message.

* If you cannot receive the confirmation message, tap [Resend e-mail] on [Sign in] screen to resend the message. (Refer to the next page.)

Tap here to accept.

NOTES:

- •You can only register 1 e-mail address and password per W-LAN adapter. Use the same e-mail address and password for other users to operate through the same W-LAN adapter.
- •Please use an e-mail address that you can access by the mobile device.

Signing in

K Sign in	
E-mail Address	
Password	Sign in with the e-mail address and password you have registered.
Sign in	
Forgot Password ?	If you have forgotten your password, tap here. Enter your e-mail address in the following screen to receive an e-mail to reset your password.
	If you cannot receive the confirmation message in creating account, tap here. Enter your e-mail address in the following screen to receive the confirmation message.

Adding new air conditioners



Add a new air conditioner to your mobile app by tapping [+]. Register the new air conditioner following the instruction on the mobile app.

When the registration is completed, the message will appear on the screen.



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Air conditioner list screen



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Air conditioner list screen (continued)

<lcon details>

Operation mode

lcon	Background color	Operation Mode
*	Blue	Cool
	Green	Dry
*	Red	Heat
	Red	Minimum Heat
Ċ	Purple	Auto
\$\$	Gray	Fan
OFF	White	Off
OFFLINE	White	Offline*

For details of each operation mode, please refer to the operating manual of the air conditioner.

 * If "OFFLINE" is shown, the mobile app have not been able to find the registered air conditioner. To check details, please refer to "TROUBLESHOOTING" (page 51).

Message icon

Icon Description	
•	Timers
	Error message

NOTES:

Depending on your air conditioner, some icons may not appear on the screen.

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Individual air conditioner screen

This is the main screen for each air conditioner connected. Swipe left or right to switch air conditioner.



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Individual air conditioner screen (continued)



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Special state





When " (i) " appears on the screen, tap this icon to check the details.

"Special State" window will appear.

Tap to close the window.

In this manual, all the possible states are shown for description. In actual screen, only the states occurring at that time will appear.

For the details of each state, refer to the next page.

(Continue to next page)

Special state (continued)

If " (i) " appears on the screen, tap the icon to check details.

Icon	Description	Status
6	Prohibition	Operation from the mobile app is prohibited by the central controller.
	Defrost	At Heating operation, the outdoor unit performs the defrost operation. The indoor unit fan is stopped during this time.
•	Oil recovery	The outdoor unit is performing the oil recovery operation. The indoor unit fan may be stopped during this time.
K	Maintenance	The indoor unit is under maintenance. The indoor unit operation is stopped at this time.
	Pump down	The outdoor unit is performing the pump down operation. The indoor unit operation is stopped at this time.
¢	Test operation	The indoor unit is being inspected. The indoor unit operation is stopped at this time.
?:	Mode mismatch	A mode which cannot be used simultaneously with a primary or other indoor units in operation is set in the same system. In this case, reset to a mode that can be operated simultaneously such as the Fan mode.
	Demand control	The air conditioner is in the demand control mode. For details, refer to the instruction manual for the demand control.

-NOTES:-

Depending on your air conditioner, some functions may not appear on the screen.



Error message



If an error message appears, be sure to follow the instructions on the screen.

When " \triangle " appears on the screen, tap this icon to check the error details.

"Error" window will appear.

Follow the instruction on the screen, then tap here to close the window.



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Clean Filter



When " Clean Filter" appears on the screen, tap this icon to check the details.

"Clean Filter" window will appear.



Clean the filter of the air conditioner, then tap [OK].

For procedures of cleaning the filter, refer to the operating manual of the air conditioner.

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You can change the operation settings and use various functions from Individual air conditioner screen.



Ð	Operation Mode	OFF
8	Fan Speed	ò
0	Airflow Direction Tap	2
	Vertical	
	Horizontal	
-	Powerful	
۵	After reaching the set value, released automatically,	

$\overline{\nabla}$

<	Operation Mode
*	Cool
0	Dry 🗸
0	Heat
	Minimum Heat
٢	Auto
6	Fan

🛞 Operation mode

You can change the operation mode as follows.

- 😵 Cool
- 🔿 Dry
- 🜔 Heat
- 🐠 Minimum Heat
- 🕑 Auto
- 🚱 Fan
- 1. Tap [Operation Mode] on Function setting menu.
- 2. Select the operation mode.

NOTES:-

Depending on your air conditioner, some functions may not appear on the screen.





Airflow Direction

Swing

Swing

3

Swing

<Pattern A>

Vertical

Horizontal



The setting method varies depending on your air conditioner (pattern A or pattern B).

NOTES:-

Depending on your air conditioner, the horizontal airflow direction cannot be set from the mobile app.

Scroll the scale of the bar to adjust the airflow direction.

Tap to start/stop the Swing operation.



Operation setting (continued)





The Powerful operation will be turned off automatically when the room temperature reaches the set temperature.

NOTES:-

Depending on your air conditioner, some functions may not appear on the screen.

Economy setting

Operation Setting				
(Operation Mode	OFF	>	
8	Fan Speed		>	
\diamond	Airflow Direction		>	
	Vertical			
	Horizontal			
	Powerful After reaching the set value, released automatically.	d 🔾		
Econ	omy Setting			
2	Economy	0		
8	Energy Saving Fan	0		
E	Human Sensor			
Maint	enance Setting			
3	Outdoor Unit Low Noise		C	
	Timer Setting		C	
	Start Time	07:00PM	>	
	End Time	06:00AM	>	
	Coil Dry Ended automatically after 83 minutes.	0		

. Tap to start/stop each operation.

- Economy operation
- S Energy Saving Fan operation
- Buman Sensor operation

For details of each operation, please refer to the operating manual of the air conditioner.

-NOTES:-

Depending on your air conditioner, some functions may not appear on the screen.

Maintenance setting

Operation Setting				Outdoor Unit Low Noise function
	Operation Mode	OFF >		lunction
8	Fan Speed	>		Tap to start/stop the Outdoor Unit Lo
\bigcirc	Airflow Direction	>		
	Vertical			Tap to activate/deactivate the Outdoo Unit Low Noise timer.
	Horizontal			Tap to set the starting time ("Start
	Powerful After reaching the set value, released automatically.			Time") or ending time ("End Time") or the Outdoor Unit Low Noise timer.
Economy Setting				
	Economy			
8	Energy Saving Fan			
E	Human Sensor			
Maintenance Setting				
3	Outdoor Unit Low Noise		┛║	-
	Timer Setting		┥┙	Coil Dry operation
	Start Time 07:	00PM >	₄_┘ Г	Tap to start/stop the Coil Dry operation.
	End Time 06:	00AM >		
	Coil Dry Ended automatically after 83 minutes.			For details of each operation, please refer to the operating manual of the air conditioner.
				NOTES: Depending on your air conditioner, some functions may not appear on the screen.



You can set Weekly timer up to 2 programs for each air conditioner. In 1 Weekly timer program, you can set operation schedule up to 14 settings.

-NOTES

Before using the timer, be sure to set the time zone correctly. The timer set from the mobile app operates according to the time zone setting. (Refer to page 49.)



Tap to set the Weekly timer. Air conditioner list screen (for timer) will appear.



Timer setting procedure

<Air conditioner list screen (for timer)>



(Continue to next page)

Timer setting procedure (continued)

<Timer display screen>

Current timer setting of the selected air conditioner will be shown.



(Continue to next page)


Timer setting procedure (continued)

<Timer selecting screen>



(Continue to next page)



Timer setting procedure (continued)

<Timer editing screen>







<Setting screen>

Setting		
Account Setting		
Fujitsu General	>	
App Setting		
Notification	>	
Environment Setting	>	
Support	>	
Air conditioner Setting		
Air conditioner Setting	>	
Group Setting >		
LED Setting >		
Error History >		
Time Zone		
Service Contact	>	

You can check or set the following items from Setting screen.

- Account setting
- Notification
- · Environment setting
- Support
- · Air conditioner setting
- Group setting
- LED setting
- Error history
- Time zone setting
- Service contact

NOTES:

Depending on your air conditioner, some items may not be shown.

Account setting screen

<	Account Setting			You can change the user information and password here.
	First Name			
	Last Name		NOTES:	NOTES:
	E-mail Address Update			The registered e-mail address cannot be changed. If you want to change e-mail address, delete the current account and recreate an account with the new e-mail address.
	Current Password	Г		Tap to sign out from this mobile app.
	New Password			
	Confirm Password			Tap to delete your account.
				When you will no longer be using the W-LAN adapter, be sure to delete
	Change		2	your account to protect your personal information.
	Sign Out			-NOTES:
	Delete Account			Uninstalling the mobile app will not delete your personal information from the mobile app server. Be sure to delete your account by tapping [Delete Account].

App setting screen



<	Environment Sett	ing
Temperature unit °C >		
Version		X.X.X
Terms of	Use	>

<	Support	
Error Q&A list		>
W-LAN support		>

Notification

Turn to On if you desire notifications by e-mail.

* Notifications will be sent when errors occur.

Environment setting

Temperature unit: You can choose the temperature unit between Fahrenheit or Celsius.

Version: You can check the version of this mobile app.

Terms of Use: You can confirm the Terms of Service.

Support

Error Q&A list: You can access the Error Q&A list on our website.

W-LAN support: You can access the manuals on our website.

Air conditioner setting

You can register new air conditioner, edit air conditioner's name, and unregister the air conditioner from this screen.





Air conditioner setting (continued)



Group setting

You can consolidate multiple air conditioners as a group.



(When no group is set)



Group setting <Creating new group> +< Group Setting Tap to create new group. Add the group by tapping "+". ∇ Unregistered group AC-UTY-a0cc2b331a01 AC-UTY-a0cc2be14630 < Group creation Enter the group name. New group After entering the group name and selecting the air conditioners, tap here to complete setting. Select the air conditioner registered to the group. ∇ Unregistered group Tap to select the air conditioner to AC-UTY-a0cc2b331a01 register to the group. AC-UTY-a0cc2b62f2ce AC-UTY-xxxxxxxxxxxxxx -NOTES:-▽ 111 To create new group, register one or more air conditioner to the group. AC-UTY-a0cc2be14630 Otherwise the setting cannot be completed. ∇ 123 AC-UTY-a0cc2be04dad



Group setting </br> Moving air conditioner to another group>





Group setting
 <Editing group name and releasing group>



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SETTING



Air conditioner setting screen

LED setting

You can turn on or off the W-LAN indicator lamp.



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Air conditioner setting screen

Error history

You can check the error history of the air conditioner.



Time zone setting

You can select the time zone of the region where the air conditioner is installed.

* The timer set from the mobile app operates according to this time zone.



Service contact

You can receive useful information by registering information.





Check the following items before requesting repairs to this product.

Parts/Elements	Situation	Solutions
Operations from the mobile app	I am not able to operate this product from the mobile app.	Check that the power to the indoor unit is on.
		Check that the power to the wireless router is on.
		Check that your mobile device is not in flight mode.
		Check that you are not in a place where it is difficult to make a connection with radio waves.
		**Check that the W-LAN adapter is not in Sleep mode. Refer to "IMPORTANT TIPS" for details.
		If you use battery saving mode on your mobile device, disconnect your mobile device from Wireless LAN, then reconnect it again.
	The airflow direction on the mobile app is different from the actual position of the air conditioner.	The airflow direction may have been changed from a different source (remote controller or other mobile apps). Please redo the setting.
	The Weekly timer does not work.	The Weekly timer setting may not be activated. Change the Weekly timer setting to activated again.
		If you have unregistered the air conditioner from the mobile app, the Weekly timer settings will be erased. To use the Weekly timer, register the air conditioner from the mobile app and set the Weekly timer again.
	The Weekly timer does not operate at the set time.	The Weekly timer operates based on the time zone setting. Set the time zone the region where the air conditioner is installed.
	The temperature is not shown on the mobile app.	Check that the thermo sensor of the wired remote controller is active and the set temperature is within the settable range.
	The Auto off function of the human sensor is not settable.	The Auto off function cannot be set from the mobile app. Use the wired or wireless remote controller.

**Only for products with Sleep mode. Refer to the setting manual to see if it applies to your W-LAN adapter. Please also refer to the operating manual of the indoor unit for troubleshooting related to the indoor unit.



State of the W-LAN indicators

For W-LAN adapter with SSID which start with "AP-".

State of the Lamps	Causes and Solutions
Ⅰ ④ 凸 奈 米	The power to the wireless router is not on. \Rightarrow Check that the power to the wireless router is on.
(Slow)	 There is a possibility that the W-LAN adapter is not properly connected to the wireless router. ⇒ Disconnect the power supply to the air conditioner (via breaker or plug), and then re-connect.
	The software of the W-LAN adapter is being updated.
④ 凸 奈 茉	During the air conditioner registration (pairing of W-LAN adapter)

For W-LAN adapter with SSID which start with "AC-UTY-".

*Lighting pattern: Off • On K Blinking

State of the Lamps		Causes and Solutions	
All the lamps are off		The power to the W-LAN adapter is not on. →Check that the power to the air conditioner is on and that the air conditioner breaker is not tripped.	
	Ⅰ 0 奈 0	 **The W-LAN adapter may be in Sleep mode. →Push the setup button on the W-LAN adapter, then check if the indicator lamps turn on. 	
		The indicator lamps are turned off by setting from the mobile app. →Refer to "LED setting (page 47)" to turn the indicator lamps on.	
LED 2 is off or blinking fast (Repeating 0.5 seconds on / 0.5		The power to the wireless router is not on. →Check that the power to the wireless router is on.	
seconds off)	●	There is a possibility that the W-LAN adapter is not properly connected to the wireless router.	
		→Refer to "W-LAN support". (Setting screen > "Support")	
LED 1 is blinking		It is not possible to communicate with the air conditioner.	
fast (Repeating 0.5 seconds on / 0.5 seconds off)	I ∦	 →There may be an error in the air conditioner. Please contact authorized service personnel. 	
All the lamps are blinking fast (Repeating 0.5 seconds on / 0.5 seconds off)	- ×	There is a problem with the W-LAN adapter. →Disconnect the power supply to the air conditioner (via breaker or plug), and then re-connect. Refer to "W-LAN support" to setup the wireless LAN again. (Setting screen > "Support")	

**Only for products with Sleep mode. Refer to the setting manual to see if it applies to your W-LAN adapter.