

Operating Instructions Air Conditioner

CS-C18FFH	CU-C18FFH
CS-C28FFH	CU-C28FFH





Before operating the unit, read these operating instructions thoroughly and keep them for future reference.

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Thank you for purchasing Panasonic Air Conditioner

Improper installation will cause leakage, electric shock or fire. Please consult an authorized dealer or

This equipment must be earthed and installed with ELCB. Otherwise, it may cause electrical shock or fire

Warning

SAFETY PRECAUTIONS

Installation Precautions

Do not install, remove and reinstall the unit by yourself.

specialist for the installation work.

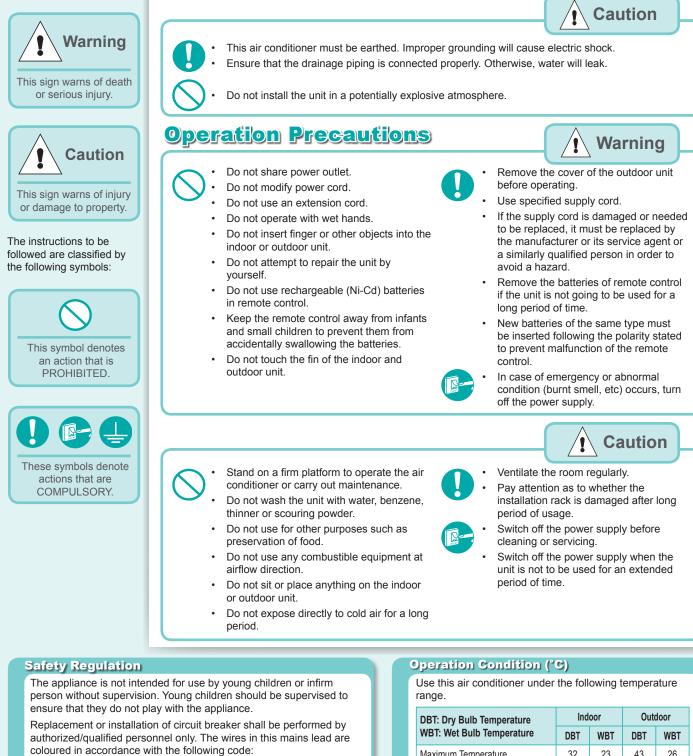
in case of malfunction.

Definition

To prevent personal injury, injury to others and property damage, the following instructions must be followed

Incorrect operation due to failure to follow instructions will cause harm or damage, the seriousness of which is classified as below:

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Different countries may have different colour coding for the wires.

Maximum Temperature 32 23 43 26 Minimum Temperature 21 15 21 15 Note: The illustrations in this manual are for explanation purposes only and may differ from the actual unit. It is subjected to change without notice for future improvement.

PRODUCT OVERVIEW

Indoor Unit



speed and OFF/ON timer should be set by remote control. Auto OFF/ON Button To operate the unit if the

About

conditioner.

 To operate the unit if the remote control is misplaced or malfunctioning.

OFF/ON operation button

· To turn off or turn on the air

· Operation mode, temperature, fan

Action	Operation mode	
Press once.	Automatic Operation	
Press until "beep" sound.	Cooling Operation	

- To OFF, press again the Auto OFF/ON button.
- To switch the remote control signal receiving sound off or on. 1. Keep pressing the Auto
- OFF/ON button for about 10 seconds until "beep-beep" sound to switch off the signal receiving sounds.
- 2. Repeat the above step if you want to switch on the signal receiving sounds.

AIR SWING

- Airflow direction only can be adjusted manually.
- Vertical airflow direction control.



- 1. Pull the vane by the left and right portion gently.
- 2. Don't use the uppermost and the lowest vane to adjust.
- Don't let the vanes downward continuously for a long time, otherwise condensation may be caused around the discharge vent.
- Horizontal airflow direction control.



To adjust horizontal airflow vanes gently by holding the control handle on the top left.

Troubleshooting

- Operation delayed for few minutes after restart.
- Sound like water flowing during operation.
- Mist emerges from indoor unit.
- Noisy during operations.
- Remote control/display does not work.
- The unit cannot operate.
- Outdoor unit emits water/steam.

- This is a normal self protection control.
- Caused by refrigerant flow inside.
- Condensation effect due to cooling process.
- Installation work could be slanted or intake grille didn't close properly.
- Check whether batteries are correctly inserted or need replacement.
- Check either circuit breaker is tripped, or timer is used correctly.
- Condensation or evaporation happens at piping surface.

About

Remote Control Preparation

Pull out



- Insert batteries (AAA or R03)
- The batteries can be used for approximately 1 year.
- Remove the batteries if the unit is not to be used for a long period.
- The batteries must be recycled or disposed of properly.

Note:

• The retention period of batteries might be affected to be shorter because of the using times of the remote control, even less than one year.

Remote Control Signal

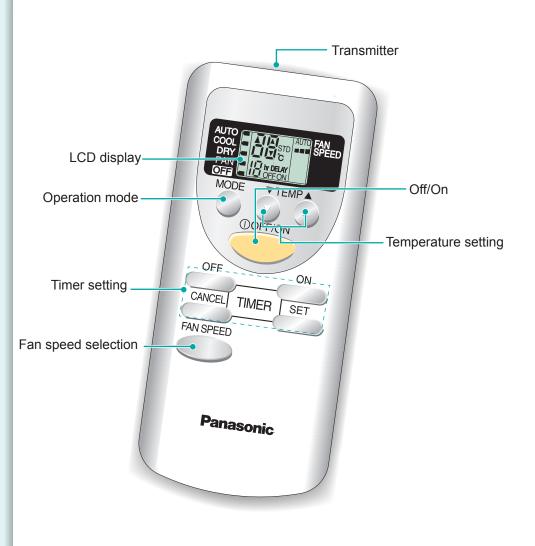
- · Make sure it is not obstructed.
- Maximum distances : 8m.
- Certain fluorescent lights may interfere with signal transmission. Consult your dealer.

Reset the remote control

 If the display is chaotic or can not be adjusted, use a screwdriver to short the two terminals to reset the remote control to the original set by manufacturer.

PRODUCT OVERVIEW

Remote Control





Troubleshooting

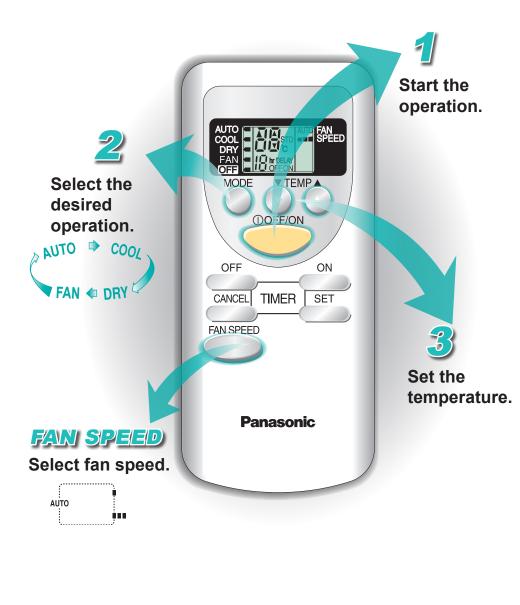
- If you wish to have the cool air blowing directly on you, set the airflow direction downward but not for an excessive length of time, as it may harm your health.
- Approximately 10% of electricity can be saved if you set the temperature 1°C higher than the desired temperature during cooling operation.

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- Indoor fan stops occasionally during Automatic Fan Speed setting.
- This is an advanced feature that helps to remove smell from the surrounding area during operation.

HOW TO OPERATE

Auto, Cool, Dry, Fan Fan Speed



Operation Details

AUTO - Automatic Operation

- The unit will automatically select the operation mode according to the room temperature.
- Once the operation mode is selected, the unit will operate at the standard setting temperature as shown:

Room temperature	Operation mode	Standard setting temperature
23°C & above	Cool	25°C
Below 23°C	Dry	22°C

COOL - Cooling Operation

- Enables you to enjoy the cooling effect at your preferred setting temperature.
- The range of temperature can be selected from 16°C ~ 32°C.

DRY - Soft Dry Operation

- Enables you to set the desired temperature at low fan speed which provides you with the dehumidifying surroundings.
- The range of temperature can be selected from 16°C ~ 32°C.

FAN - Air Circulation operation

- Enable the room to maintain a good ventilation;purifying and deodorizing the air.
- The compressor will not operate during air circulation operation.

FAN SPEED

- To provide you with the various fan speed selections.
- There are 2 levels of fan speed in addition to automatic fan speed.
- Automatic fan speed: The speed of the indoor fan is automatically adjusted according to the operation.

Hint

• To save electricity, close the curtains when using air conditioner to prevent sunlight and heat from coming in.

Troubleshooting

- The room has a peculiar odour.
- Air conditioner does not cool efficiently.
- This may be a damp smell emitted by the wall, carpet, furniture or clothing in the room.
- Ensure the temperature has been set correctly.
- Ensure windows and doors have been closed properly.
- Ensure filters are cleaned or replaced when necessary.
 - Ensure inlet and outlet vents of the units have not been obstructed.

Operation Details

ON TIMER

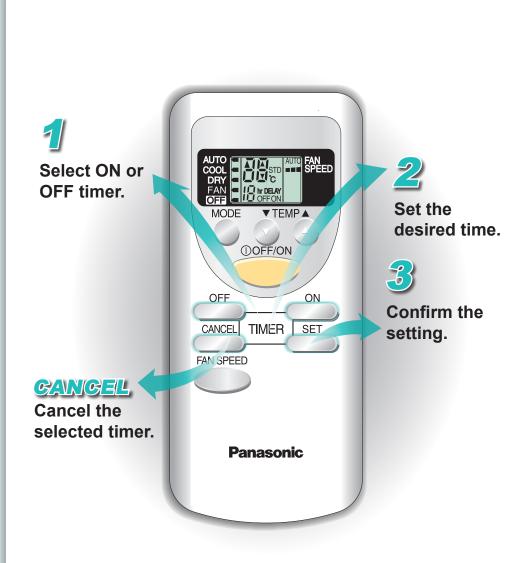
- Use the ON timer to turn on the air conditioner at the desired time. This will give you a cooling environment, e.g. when you return from work or wake up.
- When the ON timer and COOL or DRY operation mode are set, operation will start 15 minutes before the actual set time in order to reach the remote control's set temperature at the set time.
- The ON timer can be only set while the air conditioner is not in operation.

OFF TIMER

- Use the OFF timer to stop the air conditioner operation at the desired time. This can save electricity while you are going out or sleeping.
- The OFF timer can be only set while the air conditioner is in operation.

HOW TO OPERATE

Timer



- The timer indicator of the indoor unit will light up during the timer operation.
- To cancel either the ON or OFF timers, press . If you press operation button during the timer setting operation, timer setting will be cancelled.
- When a power failure occurs, the timer setting will be cancelled. Once power is resumed, reset the timer.

- Hints • For

For your convenience, you could set the air conditioner to operate automatically by using either ON or OFF timer.

Troubleshooting



POWER indicator is blinking 30 minutes before ON timer is activated.

The unit is determining the operation mode by sensing the room temperature. This happens when it has been set to AUTO operation mode.

■ Washing Instructions

- Do not use benzene, thinner or scouring powder.
- Use soaps or neutral household detergent (2pH7) only.
- Do not use water with temperature higher than 40°C.

INDOOR UNIT

• Wipe the unit gently with a soft, dry cloth.

AIR FILTER

- It is recommended to clean the air filters once every 2 weeks.
- Purchase the replacement filter if it is damaged.
 Part no.: CWD001217

Preparation for extended Non-operation

- To dry the internal parts of the indoor unit, operate the unit for 2-3 hours using FAN operation.
- Switch off the air conditioner and disconnect the power supply.
- · Remove the remote control batteries.

Pre-season Inspection

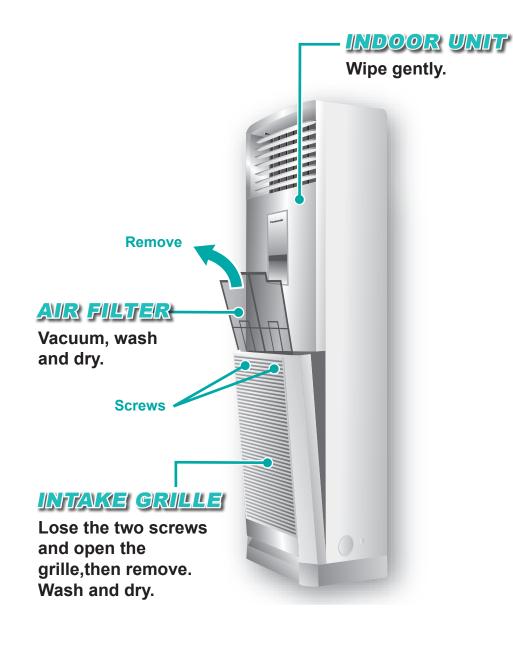
- This inspection is recommended before operating the air conditioner at every season.
- Check if the remote control batteries needed to be replaced.
- Ensure there is no obstruction at all air intake and outlet vents.
- After the start of operation for 15 minutes, it is normal if the temperature differences between air intake and outlet vents at indoor unit is:-

Operation	Temperature difference	
Cooling	≥8°C	

CARE & CLEANING



Switch off the power supply before cleaning



Hints

- Clean the filter regularly as dirty filters will cause unpurified air, low cooling capacity, unpleasant smells and higher energy consumption.
- The unit will become dirty and the performance of the unit will decrease after used for several seasons. Please consult an authorized dealer to perform seasonal inspections in addition to regular cleaning.
- When thunder and lightning occur, stop the unit and switch off the power to protect the air-conditioner.
- If power resumed after a power failure, the operation will be restarted automatically under the previous operation mode.
- This air-conditioner may cease because of strong surge of voltage. If that happens, consult to an authorized dealer.

PRODUCT SPECIFICATION

Indoor Unit

Outdoor Unit

Model				CS-C18FFH	■ CS-C28FFH ■■ CU-C28FFH
			COOLING		
				Single, 220V-240V, 50Hz	Single, 220V-240V, 50Hz
		[W]		1900 - 1950	2600 - 2650
		[A]		8.65 - 8.80	11.90 - 12.00
[I		[kg]		R22* 0.94	R22 1.41
→↓ → ★ TAN Cooling Capacity		[kW]		5.10 - 5.15	7.20 - 7.30
)))	JIS C 9612 [<70 dB(A)]	[dB(A)]		46 - 47	48 - 49
	Conditions 1m Distance Max. cooling		•□	53 - 54	53 - 54
Air Circulation		[m³/min.]]	14.5 - 15.5	15.0 - 16.2
Product Weight		[kg]		34	35
				40	55
Dimensions (H × W × D)		[mm]		1680 × 500 × 298	
		[mm] -	•□	540 × 780 × 289	795 × 900 × 320
Ambient Temperature [°C]			18 - 43		

*60 $\rm g$ for air purging is not included.

Test conditions

1. Cooling: Indoor Dry Bulb Temp. (°C) 27Outdoor Dry Bulb Temp. (°C) 35Wet Bulb Temp. (°C) 19Wet Bulb Temp. (°C) 24

2. Standard piping length:5 m(Includes Indoor Unit piping length).

3. Air filter is attached.

TURN OFF POWER SUPPLY and CALL Authorized Distributor under the following conditions:

- Abnormal noise during operation
- Water/foreign particles have entered the Remote ControlWater leak from Indoor unit
- Circuit breaker switches off frequently
- Power cord becomes unnaturally warm
- Switches or buttons are not functioning properly

