

DAIKIN ROOM AIR CONDITIONER
OPERATION MANUAL
 R32 SPLIT SERIES

MODELS: FTXC20CV1B, FTXC25CV1B, FTXC35CV1B, FTXC50CV1B, FTXC60CV1B, FTXC71CV1B

Operation Manual Handset Wireless English

Notes:
 Illustrations in this manual are for explanation to user only and may differ from the actual machine. These are subject to change without prior notice for the development of future product.

Safety precautions

WARNING
 Failure to follow these instructions properly may result in personal injury or loss of life.

CAUTION
 Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

WARNING
 The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).

WARNING
 Do not pierce or burn. Be aware that refrigerants may not contain an odour. In order to avoid fire, explosion or injury, do not operate the unit when harmful, among which flammable or corrosive gases, are detected near the unit. It is not good for health to expose your body to the air flow for a long time. Do not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product malfunctioning, product or injury damage may result due to contact with the air conditioner's high-speed fan blades. Do not attempt to repair, dismantle, reset or modify the air conditioner yourself as this may result in water leakage, electric shocks or fire hazards. Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shocks or fire hazards. Please contact your local dealer or qualified personnel for installation and maintenance work. Do not use flammable spray near the air conditioner, or otherwise fire may result. Do not place flammable items, such as spray cans, within 1 meter of the air outlet. The spray cans may explode as a result of hot air from the indoor or outdoor units. When the air conditioner is malfunctioning (giving off a burning odour, etc.) turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shocks or fire hazards. Do not use a refrigerator other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerant may cause trouble or damage to the unit, and personal injury. The refrigerant used in the air conditioner is safe. Although leaks should not occur, if for some reason any refrigerant happens to leak into the room, make sure it does not come in contact with any flame as it is a gas heater, kerosene heaters or gas range. If the air conditioner is not cooling properly, the refrigerant may be leaking, so call your dealer. If the air conditioner is malfunctioning (giving off a burning odour, etc.) turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shocks or fire hazards. Do not use a refrigerator other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerant may cause trouble or damage to the unit, and personal injury.

CAUTION
 Do not touch the air conditioner or the remote controller with wet hands. Never touch the air conditioner nor the remote controller with wet hands. Do not touch the air conditioner or the remote controller with wet hands. Do not touch the air conditioner nor the remote controller with wet hands.

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COOL • FAN • DRY • HEAT • AUTO Operation

To start operation

- Press **ON/OFF** button to start the unit operation. **ON/OFF** is displayed on the LCD.
- Press **MODE** button to choose the desired operation mode.

To stop operation

- Press **ON/OFF** button again to stop the unit operation.

Note

Operating Mode	Description
COOL	The air conditioner cools down the room by releasing the heat to outdoor unit.
FAN	The air conditioner indoor unit FAN will run in fan only.
DRY	The air conditioner operates to control the room humidity by regulating the indoor unit fan speed. Therefore, manual adjustment of the fan speed in DRY mode is not available.
HEAT	The air conditioner heats up a room to the temperature setpoint.
AUTO	The air conditioner cools down or heats up a room to the temperature setpoint. It automatically switches between cooling and heating if necessary.

Notes on the operating conditions

- The air conditioner will always consume a small amount of electricity even in standby mode.
- Ensure that the power supply / breaker is switch off if the air conditioner is not going to be used for an extended period of time.

POWERFUL Operation

To start POWERFUL operation

- Press **POWERFUL** button. **POWERFUL** will be displayed on the LCD.

To cancel POWERFUL operation

- Press **POWERFUL** button. **POWERFUL** will disappear from the LCD. The previous setting used before POWERFUL operation will be resumed.

Notes on POWERFUL operation

- POWERFUL operation ends in 20 minutes. The previous setting used before POWERFUL operation will be resumed.
- POWERFUL operation will not increase the capacity of air conditioner if the air conditioner is already operating in its maximum capacity.
- POWERFUL is available in all operating mode.

Fault Diagnosis

To perform error code diagnosis

- Press and hold **CANCEL** button for 5 seconds. **00** blinks.
- Press **CANCEL** button to check on the error code.

To exit from error code diagnosis

- Press and hold **CANCEL** button for 5 seconds.

Notes

- A short "beep" and two consecutive "beep" acknowledgement from the indoor unit indicates a non-correspondence error code.
- A long "beep" acknowledgement from the indoor unit indicates a correspondence error code.
- User shall not attempt to repair or modify the air conditioner as any incorrect work may result in electric shock or fire.
- Consult the service personnel in case the air conditioner is found to be faulty.

Error Code	Meaning
00	Normal
A1	Malfunction of indoor unit PCB
A3	Drain level control system abnormal
A5	Anti-freeze
A6	Indoor fan motor abnormal
AH	Electrical air cleaner abnormal
C4	Indoor heat exchanger (1) thermostat short / open
C5	Indoor heat exchanger (2) thermostat short / open
C7	Lower limit switch error
C8	Indoor thermostat short / open
CC	Malfunction of humidity sensor system
CH	Outdoor PCB error
E1	High pressure protection
E3	Compressor motor lock / compressor overload
E6	Compressor start-up error
E7	Outdoor DC fan motor lock
E8	AC input overcurrent
EA	4 way valve error
F3	Discharge pipe overheat
F6	Abnormal high pressure
F8	Heat exchanger overheat
FA	Heat exchanger overheat
H0	Compressor sensor system error
H3	High pressure switch error
H6	Compressor feedback detection error
H7	Malfunction of outdoor unit fan motor signal
H8	AC current sensor error
H9	Outdoor air thermostat short/open
J3	Compressor discharge pipe thermostat short / open / misplaced
J6	Outdoor heat exchanger thermostat short / open
J8	Liquid pipe thermostat short / open
J9	Gas pipe thermostat short / open
L3	Outdoor control box overheat
L4	Heat sink overheat
L5	IPM error / IGBT error
P4	Heat sink thermostat short / open
U0	Insufficient gas
U2	DC voltage out of range
U3	Transmission error
U4	Communication error
UA	Installation error
UF	Piping & wiring installation mismatch / wrong wiring / insufficient gas
UH	Antifreeze (other rooms)

Note

- After connecting to wireless LAN adapter, remote controller settings prevail over WLAN apps setting.

CAUTION

- Be aware that prolonged, direct exposure to cool or warm air from the air conditioner, or to air that is too cool or too warm can be harmful to your physical condition and health.
- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants and works of art as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the air flow from the unit as this may impair combustion of the burner.
- Do not block air inlets nor outlets. Impaired air flow may result in insufficient performance or trouble.
- Beware of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, i.e. not generating cool or warm air, refrigerant leakage could be the cause. Consult your dealer for assistance. The refrigerant in the air conditioner is safe and normally does not leak. However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas. Do not longer use air conditioner until a qualified service person confirms that the leakage has been repaired.
- Do not sit or place objects on the outdoor unit. Falling yourself or falling objects could cause injury.
- Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units. Under certain conditions, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.
- After prolonged use, check the unit stand and its mounts for damage. If left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or outdoor units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- Children should be supervised to ensure that they do not play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.
- Do not sit on the outdoor unit. Put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.
- Do not give impact to the indoor and outdoor units, or otherwise product damage may result.
- Do not place objects around the indoor unit. Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shocks or fire.
- Do not sit or hang on the up and down panel. The up and down panel may fall, and injury or property damage may result.
- Do not attempt to repair, dismantle, reset or modify the air conditioner yourself as this may result in water leakage, electric shocks or fire hazards.
- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shocks or fire hazards. Please contact your local dealer or qualified personnel for installation and maintenance work. Do not use flammable spray near the air conditioner, or otherwise fire may result. Do not place flammable items, such as spray cans, within 1 meter of the air outlet. The spray cans may explode as a result of hot air from the indoor or outdoor units. When the air conditioner is malfunctioning (giving off a burning odour, etc.) turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shocks or fire hazards. Do not use a refrigerator other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerant may cause trouble or damage to the unit, and personal injury.
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Consider nuisance to your neighbours from noises.

- Do not let children play around the up and down panel. Injury or property damage may result.
- Do not pull the wires. The wires may be broken and the up and down panel may fall, and injury or property damage may result.
- Do not locate obstacles in the up and down route. The up and down panel may fall, and injury or property damage may result.
- Do not bend or damage the wires. The wires may be broken and the up and down panel may fall, and injury or property damage may result.
- Be sure there are no obstructions near the air outlet of the outdoor unit.
- Do not put objects on the up and down panel, or otherwise product malfunctioning may result.
- Do not use an unstable stand at the time of operating or maintaining the air conditioner, or otherwise you may topple over or injure yourself.
- Locate the remote controller in places out of reach of children. The wrong operation of the remote controller may result in injury.

Electrical work

- For power supply, be sure to use a separate power circuit dedicated to the air conditioner.

System relocation.

- Consult your DAIKIN dealer about remodeling and relocation.

To change temperature setting

- Press **TEMP** button.
- Press **▲** to raise the temperature and **▼** to lower the temperature.

Operating Mode	COOL	HEAT	AUTO	DRY & FAN
Set Temperature Range	18°C - 32°C	10°C - 30°C	18°C - 30°C	Not applicable

Press **▲** and **▼** simultaneously for 5 seconds to change the temperature display unit in Celsius (°C) or Fahrenheit (°F).

For example, 24°C → 75°F.

Tip for energy saving

- Keeps the temperature setting at a moderate level (do not over-cool the room).
- Clean the air filters to prevent clogging that could contribute to inefficient operation and energy wastage.
- Recommended to clean the filter once every 2 weeks for regular use.

To change fan speed setting

- Press **FAN** button.

In COOL, FAN, HEAT & AUTO mode:

Mode	Setting
AUTO	LOW FAN
FAN	QUIET FAN
HEAT	MEDIUM FAN
AUTO	HIGH FAN

Fan speed setting not available in DRY mode.

Notes on fan speed setting

- Each pressing on the button advances the fan speed mode in sequence.
- In COOL, FAN, HEAT & AUTO mode:
 - Press **FAN** button to cycle through the fan speed settings: QUIET FAN, LOW FAN, MEDIUM FAN, HIGH FAN.
- Fan speed setting not available in DRY mode.

Care and Cleaning

CAUTION

- Before cleaning, be sure to stop the operation and turn off the circuit breaker.
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.
- Avoid direct contact of any coil treatment cleaners on plastic part. This may cause plastic part to deform as a result of chemical reaction.

Quick reference

Cleaning parts

Front panel

- Wipe it with a soft damp cloth.
- Do not use detergent.
- Only neutral detergent may be used. (If dirty)

Air filter

- Vacuum dust or wash the filter. (Once every 2 weeks)

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth. (If dirty)

Note

For cleaning, do not use any of the following:

- Water hotter than 40°C/104°F
- Volatile liquid such as benzene, gasoline and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush

Adjusting the Airflow Direction

To change the air flow direction

- Press **SWING** button. **SWING** is displayed on the LCD.

To set the flap at the desired position

- Press **▲** button when the flap reached the desired position.

Notes

- Always use the remote controller to adjust the swing angle. Any manual adjustment may break the mechanism of the swing control.
- Cooling and heating effect at different step angle will be affected by different air flow rate.

ECONO Operation

To start ECONO operation

- Press **ECONO** button. **ECONO** is displayed on the LCD.

To cancel ECONO operation

- Press **ECONO** button. **ECONO** will disappear from the LCD.

Notes on ECONO operation

- This function enables efficient operation by limiting the maximum power consumption of the air conditioner unit.
- Pressing **ECONO** causes the setting to be cancelled and **ECONO** disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.
- ECONO operation will be stopped if POWERFUL operation is activated.
- ECONO only available in COOL, DRY, HEAT & AUTO mode.

SLEEP Operation

To start SLEEP operation

- Press **SLEEP** button. **SLEEP** is displayed on the LCD.
- LED Indication lights of unit will be dimmed down.

To cancel SLEEP operation

- Press **SLEEP** button. **SLEEP** will disappear from the LCD.

Notes on SLEEP operation

- Pressing **SLEEP** causes the setting to be cancelled and **SLEEP** disappears from the LCD.
- This operation automatically adjust the set temperature of the air conditioner to provide a comfort sleeping environment.

Set Temperature: +1.0°C

Enable SLEEP function

Notes on SLEEP operation

- SLEEP only available in COOL and HEAT mode.

Air filter

- Pull out the air filters.
 - Open the front panel.
 - Push the filter tab at the centre of each air filter a little upwards, then pull it down.
- Wash the air filters with water or clean them with vacuum cleaner.
 - It is recommended to clean the air filters every 2 weeks.
 - If the dust does not come off easily, wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.
 - Be sure to remove the titanium apatite deodorizing filter. Refer to "Titanium apatite deodorizing filter".
- Set the filters as they were and close the front panel slowly.
 - Press the front panel at both sides and the center.

CAUTION

- Do not touch the aluminium fins by bare hand at the time of dismounting or mounting the filter.

Titanium apatite deodorizing filter

The titanium apatite deodorizing filter can be renewed by washing it with water once every 6 months. We recommend replacing it once every 3 years.

1. Take off the titanium apatite deodorizing filter

- Open the front panel and pull out the air filter.
- Remove titanium apatite deodorizing filter from the back of air filter.

2. Clean or replace the titanium apatite deodorizing filter.

[Maintenance]

- Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if dirt is heavy.
- After washing, shake off remaining water and let them dry in the shade.
- [Replacement]
 - Remove filter from the back of air filter.
 - Dispose of the old filter as non-flammable waste.

3. Set the filters as they were and close the front panel.

- Press the front panel at both sides and the center.

REMOTE CONTROLLER OVERVIEW

Display (LCD)

- Display the current settings. (This illustration shows the full display of the LCD panel, including functions for applicable remote controller models only).

ON/OFF Button

- Start/Stop the operation.

FAN Button

- Changes the operating fan speed.

SLEEP Button

- Enable / Disable SLEEP function.

CLOCK Button

- Changes RTC setting.

CANCEL Button

- Cancel Timer setting.

ON Timer Button

- Enable / Disable and change ON Timer setting.

OFF Timer Button

- Enable / Disable and change OFF Timer setting.

IR Signal Transmitter

- To transmit signal, aim the transmitter to the indoor unit. Note that in the condition where there is an obstacle that blocks between the transmitter and the indoor unit, signal transmission might not be successful.

Temperature Setting Button

- Increase / Decrease the temperature setting.

MODE Button

- Change between the available operating modes.

SWING Button

- Direct the air flow in up-down direction.

POWERFUL Button

- Enable / Disable POWERFUL function.

ECONO Button

- Enable / Disable ECONO function.

UP & DOWN Adjustment Button for Timer

- Toggle the settings in Real Time Clock (RTC), ON Timer and OFF Timer setting mode.

Preparation Before Operation

To operate the remote controller

- Aim the transmitter of the remote controller at the receiver of the indoor unit.
- Ensure there is no obstruction such as curtain between the indoor unit and the remote controller, signal transmission will be unsuccessful.

To fix the remote controller holder on the wall

- Choose a location where signal is able to reach the unit.
- Fix the holder onto a wall, a pillar or etc with the screws supplied with the holder.
- Place the remote controller on the holder.

About remote controller

- Do not drop nor wet the remote controller.
- Never expose the remote controller under direct sunlight.
- Dust on the transmitter lens cover will reduce the sensitivity.
- Signal communication may be affected if the air conditioner is being installed near an electronic-starter-type fluorescent lamp (such as inverter-type lamp) in the room.

To set the clock

- Press **CLOCK** button. **CLOCK** blinks on the LCD.
- Press **▲** or **▼** to set the clock to present time.
- Press **CLOCK** button.

Holding down **▲** or **▼** button rapidly increases or decreases the displayed time.

Point the remote controller at the indoor unit when pressing the buttons.

- ▲** blinks.
- 0:00** stop blinking, the present time will be displayed.
- For example, present time is 8 o'clock in the morning, **8:00** will be displayed.

Note

- Remote controller is automatically in clock setting mode upon battery insertion. Users are advised to complete the clock setting before operation.

How to open Front Panel

- Open the front panel.
 - Hold the panel at the recesses on the main unit (2 recesses on right and left sides) and lift it until it stops.
- Remove the front panel.
 - While lifting the front panel further, slide it to the left and pull it to the front side. The left rotating shaft is detached. Slide the right rotating shaft to the right and pull it to the front side to rotate it.
- Align the right and left rotating shafts of the front panel with the grooves and push them all the way in. Gently close the front panel. (Push both ends and the center on the front panel.)

CAUTION

- Don't touch the metal parts of the indoor unit. It may cause an injury.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- For cleaning, do not use hot water above 40°C, benzene, gasoline, thinner, nor other volatile oils, polishing compound, scrubbing brushes, nor other hand stuff.
- After cleaning, make sure that the front panel is securely fixed.

When the Unit is Not To Be Used For An Extended Long Period Of Time

Operate the unit for 2 hours with the following setting:

Operating mode : cool
 Temperature : 30°C/86°F

Remove the power plug. If you are using an independent electric circuit for your unit, cut off the circuit.

Remove the batteries in the remote controller.

TROUBLESHOOTING

For any enquiries on spare parts, please contact your authorized dealer. If any malfunction of the air conditioner unit is noted, immediately switch off the power supply to the unit. Check the following fault conditions and causes for some simple troubleshooting tips.

Fault	Causes / Action
1. The compressor does not operate 3 minutes after the air conditioner unit is started.	- Protection against frequent starting. Wait for 3 to 4 minutes for the compressor to start operating. - Power failure, or the fuse need to be replaced. - The power plug is disconnected. - It is possible that your delay timer has been set incorrectly. - If the fault persists after all these verifications, please contact the air conditioner unit installer.
2. The air conditioner unit does not operate.	- The air filter is dirty. - The doors or windows are open. - The air suction and discharge are clogged. - The regulated temperature is not high enough.
3. The air flow is too low.	- This is caused by air humidity after an extended long period of operation. - The set temperature is too low, increase the temperature setting and operate the unit at high fan speed. - Switch off unit and call dealer.
4. Discharge air flow has bad odor.	- Odors may be caused by cigarettes, smoke particles, perfume etc. which might have adhered onto the coil. - The manufacturer reserves the right to revise any of the specification and design contain herein at any time without prior notification.
5. Condensation on the front air grille of the indoor unit.	- This is caused by air humidity after an extended long period of operation. - The set temperature is too low, increase the temperature setting and operate the unit at high fan speed.
6. Water flowing out from the air conditioner unit.	- Switch off unit and call dealer.

If the fault persists, please call your local dealer / serviceman.

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Preparation Before Operation

Accessories

The following accessories are included.

Drillawl screw	Battery	Remote Controller Holder
2	2	1

To set the batteries

- Remove the back cover by sliding downwards.
- Insert two dry batteries (LR03/AAA).
- Replace the back cover.

Disposal Requirements

The batteries supplied with the controller are marked with this symbol. This means that the batteries shall not be mixed with unsorted household waste. If a chemical symbol is printed beneath the symbol, this chemical symbol means that the battery contains a heavy metal above a certain concentration. Possible chemical symbols are:

- Pb: Lead (Cd/Pb)
- Hg: Mercury (Cd/Hg)

Waste batteries must be treated at a specialized treatment facility for re-use. By ensuring correct disposal, you will help to prevent potential negative consequences for the environment and human health. Please contact your local authority for more information.

About batteries

- Remove the batteries from the remote controller if the air conditioner will not be used for an extended period of time.
- When replacing the batteries, it is advised to replace both batteries together with batteries of the same type.
- Batteries should be replaced once a year. However, if the display of remote controller started to fade or there is a noticeable degradation in performance, replace both batteries with new AAA/LR03 batteries.
- The attached batteries are provided for initial use of the air conditioner. The usage period of these batteries depends on the manufactured date of the air conditioner.

TIMER Operation

To use OFF TIMER operation

- Ensure the clock setting is set to present time (refer to method to set the clock under preparation before operation).
- Press **OFF** button. **OFF** will be displayed on the LCD and **OFF** blinks.
- Press **▲** or **▼** to set the off timer setting. Holding down **▲** or **▼** button rapidly increases or decreases the time display.
- Press **OFF** button again. **OFF** stop blinking, the OFF TIMER set will be displayed.

To cancel OFF TIMER operation

- Press **CANCEL** button to cancel the OFF TIMER.

To use ON TIMER operation

- Ensure the clock setting is set to present time (refer to method to set the clock under preparation before operation).
- Press **ON** button. **ON** will be displayed on the LCD and **ON** blinks.
- Press **▲** or **▼** to set the on timer setting. Holding down **▲** or **▼** button rapidly increases or decreases the time display.
- Press **ON** button again. **ON** stop blinking, the ON TIMER set will be displayed.

To cancel ON TIMER operation

- Press **CANCEL** button to cancel the ON TIMER.

Notes on TIMER setting

- When TIMER is set, the present time is not displayed.
- In the following cases, set the timer again.
 - After the circuit breaker has turned off.
 - After a power failure.
 - After replacing the batteries in the remote controller.