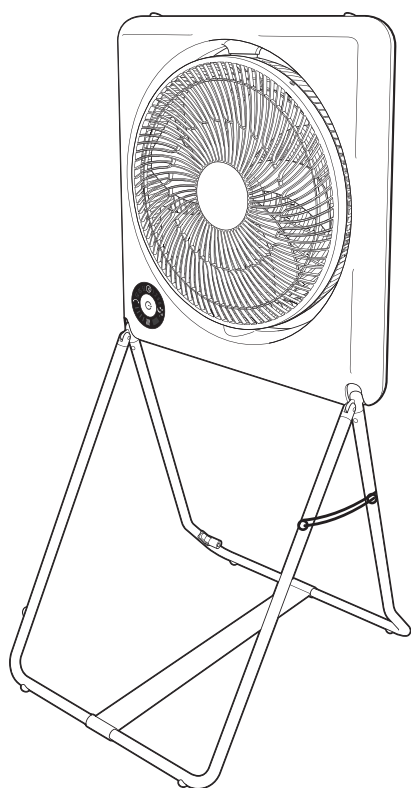


DC Folding Fan FLU-254DHK

User Manual

Thank you very much for choosing our product. Please read the User Manual carefully in order to use this product correctly. Please keep the User Manual properly after reading.

[This product is for indoor use only]



Contents

Safety Precautions.....	1
Name of Parts and Function.....	3
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Troubleshooting.....	13

Specifications



Power supply	DC 24V, AC adapter (dedicated)
Power consumption	About 13.5W (when using a dedicated AC adapter)
Voltage	220V
Frequency	50 Hz
Cable length of AC adapter	About 1.8m
Dimensions	Width 36.5 × depth 45 × height 46~79cm (when bracket unfolded)
Net Weight	About 2.4kg (excluding the remote control and AC adapter)
Remote control battery	Lithium battery (CR2025)

- The specifications are subject to change without prior notice.
- This unit is only intended to be sold in Hong Kong and Macau.
- The diagram and illustration in this manual are for reference only. The actual product is subject to manufacturer specifications.



DOSHISHA Co., Ltd.

Safety Precautions









- Please read Safety Precautions carefully in order to ensure proper use
- Please read and abide by the critical safety information listed in this section carefully
- Please keep it properly after reading

 Warning	Incorrect operation may cause a risk of death or serious injury
 Attention	Incorrect operation may cause personal injury or property damage (including residence, family properties, livestock and pets)




Meaning and example icon symbols

	⊘ indicates “prohibited”. The specific prohibited content will be shown with picture and text inside and beside ⊘. (The picture on the left indicates “Disassembly prohibited”)
	● indicates “mandatory”. The specific mandatory content will be shown with picture and text inside and beside ●. (The picture on the left indicates that “the power plug must be pulled out from the socket”)

Warning

 Prohibited	Do not connect this product to power supply excepted rated voltage and rated frequency	 Prohibited	Do not insert metal objects such as pins and wires into the gaps in the main unit. It may cause electric shock and personal injury	 Unplug	Be sure to disconnect the AC adapter out of the socket when not in use. It may cause electric shock, electric leakage, or fire due to insulation deterioration.
	Do not use devices other than those provided with dedicated AC adapters It may cause electric shock and fire		In the event of an abnormality (e.g. burnt smell, smoke), unplug the AC adapter immediately and stop using it. It may cause fire or electric shock		For maintenance, remove the AC adapter from the socket. Failure to remove it may cause electric shock, fire, or personal injury.
	Do not connect AC adapter to socket when cleaning or maintenance. It may cause fire, electric shock, or personal injury.	 Prohibited	Please insert the AC adapter fully into the socket. Failure to fully insert may cause electric shock, short circuit and fire.	 Disassembly prohibited	Disassembly prohibited. Only qualified personnel are allowed to carry out repairs. It may cause fire, electric shock, personal injury, and other safety accidents. For repairs, please consult the sales office or Shun Hing Electric Service Center Ltd.
	Do not damage, process, bend, pull, twist, or bundle the power cord, and do not put any heavy object on the cord and pinch it. It may cause fire or electric shock.		Clean the dust adhering to the pins and mounting surfaces of the AC adapter. Inserting AC adapter with dust attached may cause safety accidents such as short circuit and fire.	 Wet hands prohibited	Do not directly plug or unplug the AC adapter with wet hands. It may cause safety accidents such as electric shock.
	Do not damage the power cord and AC adapter, and do not use the device before the plug is properly inserted into the socket It may cause electric shock, short circuit and fire	 Instruction	After maintenance, fully secure the blades and protective cover. If it is not fully tightened or properly installed, it may result in safety accidents such as personal injury and device failure.		Immersion and watering of the device are prohibited. It may cause short circuit, electric shock and other safety accidents.
	Do not operate without the blades and protective covers It may cause personal injury and device failure		If the battery liquid leaked from the remote control and accidentally enters into the eyes, do not rub. Rinse immediately with cool water and go to the hospital. It may cause blindness or visual impairment.	 Water prohibited	
	Do not expose the product to children, or use it in any place that the children can access It may cause electric shock and personal injury				

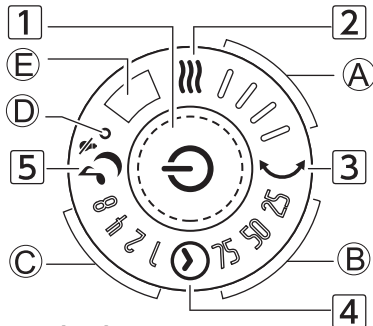
Attention

 Instruction	When unplugging the AC adapter, be sure to hold the AC adaptor instead of the power cord. It may cause electric shock, short circuit, or break off the power cord.	 Prohibited	Do not use a battery other than specified. It may cause liquid leakage.	 Prohibited	Do not get your hair too close to the device. It may cause personal injuries due to hair being caught.
	Please confirm the positive and negative poles \oplus \ominus of battery in the remote control. Incorrect installation of positive and negative poles will not only cause device failure, but may also cause safety accidents due to liquid leakage and battery rupture.		Do not place the battery of the remote control in a hot place where there is direct sunlight. It may cause liquid leakage, battery rupture, fire and other safety accidents.		Do not use in the following places. <ul style="list-style-type: none"> • Near stoves and other fire sources • Places with flammable gas • Places that can be splashed by rain and water It may cause discoloration, deformation, flame extinguishing, fire, electric shock and other safety accidents.
	Take the battery out of the remote control if it won't be used for a long time. If the device is left unused for an extended period of time with battery installed, internal contamination may be caused by liquid leakage, and safety accidents such as fire and personal injury may occur due to battery rupture.		Do not blow directly to the body for a long time. It may cause harm to your health.		Do not use household cleaners, thinners, gasoline, alcohol or abrasive powder for cleaning. It may cause discoloration, deformation, electric shock or device failure.
	When disposing of the remote control, be sure to remove the battery. Disposal of the remote control directly with battery installed may cause an accident. Please dispose of the battery as required by local government.		Do not drag the main unit. It may damage the floor.		Do not forcibly turn the main unit to the front while it is swinging. It may cause device damage, malfunction or noise.
	While folding the bracket or adjusting the fan height, be careful to prevent pinching the fingers. It may cause safety accidents such as personal injury.		Do not insert your fingers into the guard or any moving parts It may cause safety accidents such as personal injury.		
	When setting up, be sure to fully unfold the bracket to make it completely touch the ground. If the device is not set properly, it may cause safety accidents such as falling over.		Do not use in an unstable place. It may cause personal injury, device failure and other safety accidents.		

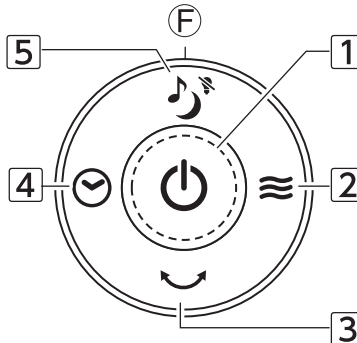
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experiences and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance is only to be used with the power supply unit provided with the appliance.
- The appliance must only be supplied at safety extra low voltage corresponding to the marking on the appliance.

Name of Parts and Function

Operation panel



Remote control



Display area

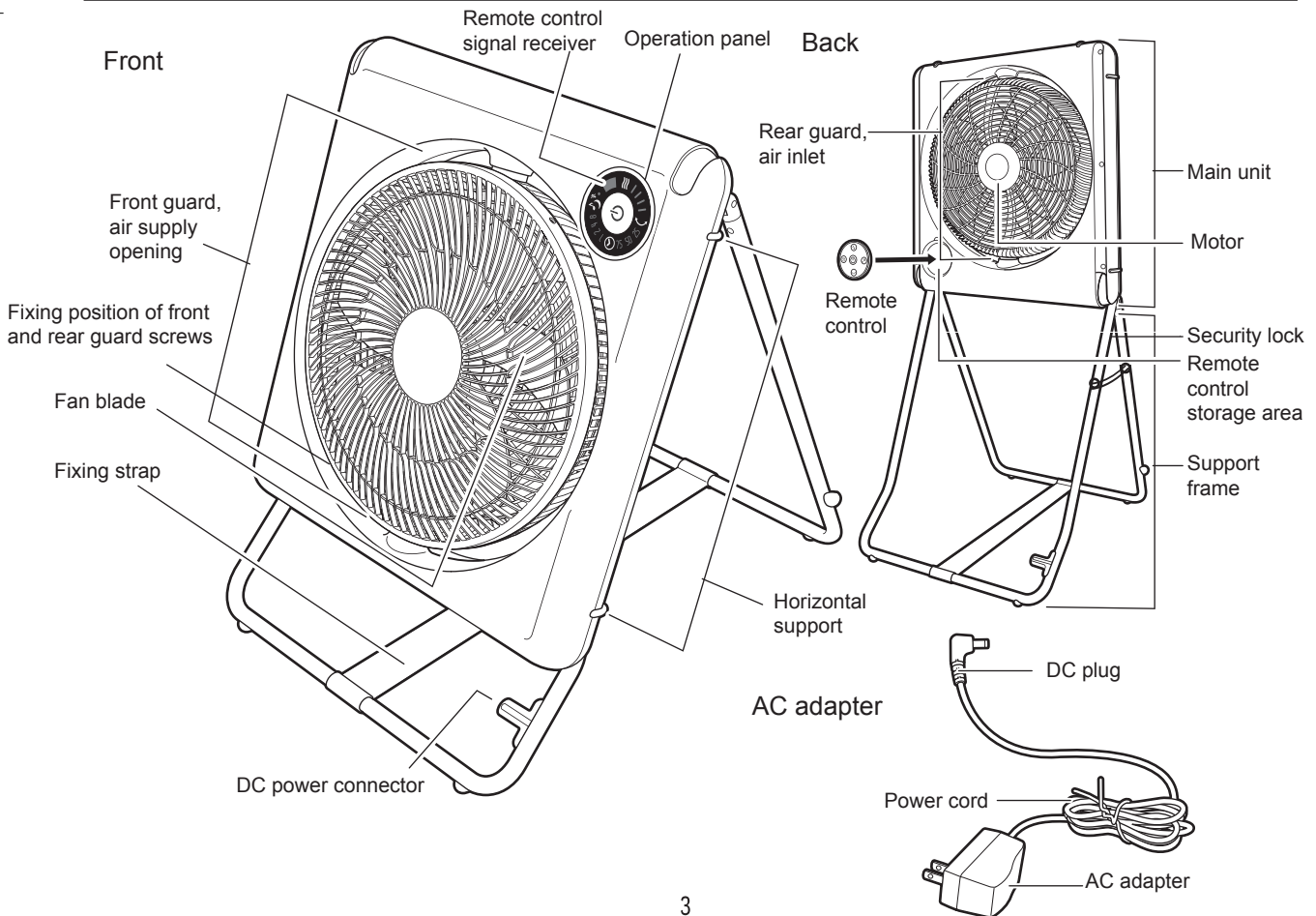
The current status can be confirmed by the indicator light around the operation button.

- A Air volume display**
Display the air volume during operation. The stronger the air volume, the more indicators are displayed.
(1 indicator in weak mode ~ 4 indicators in strong mode)
- B Swing indicator**
The indicator turns on during swing operation and the swing angle is shown.
- C Timing indicator**
Flash: Scheduled power-on/ ON:
Scheduled power-off
Show the time of scheduled power on/off.
- D Natural/sleep wind indicator**
The green indicator turns on in natural wind mode, and the red indicator turns on in sleep wind mode.
- E Remote control signal receiver (main unit)**
Point the remote control toward this area during operation.
- F Remote control transmission area (remote control)**
Point this part at the remote control signal receiver of the main unit.

Operation buttons

The functions are same as the buttons on the main unit and the remote control.

- 1 Power button**
Start/stop operation.
- 2 Air volume button**
Adjust the air volume during operation.
- 3 Swing button**
Start/stop swinging and set swing angle.
- 4 Timer button**
Set the time of schedule on/off
- 5 Natural/sleep wind indicator**
Switch between natural and sleep wind
※ Press and hold it for three seconds to set the indicator to off mode.



How to Use

Packing List

After purchase, please confirm if the following accessories are complete

Main unit.....	1pcs	Coin lithium battery (CR2025).....	1pcs
Remote control.....	1pcs	User Manual.....	1pcs
AC adapter.....	1pcs	Warranty Card.....	1pcs

※ Do not throw away the packaging materials after assembly, which can be used to store the product after use.



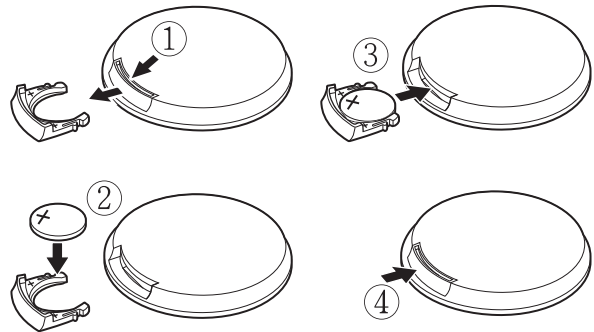
Warning

- Do not turn on the power before the blades and guards are installed.
- Do not turn on the power before the main unit in the correct setting (in a stable place and the support frame is raised).

Preparation before Use

1. Install the battery into the remote control

- ① Pull out the battery case from the remote control
Pull the battery case out of the gap.
- ② Insert the coin lithium battery into the battery case.
Pay attention to the polarity ⊕ ⊖ of the battery. Keep the ⊕ side upwards.
- ③ Insert the battery case into the remote control.
- ④ Please insert the battery case until you hear a click sound.



Attention

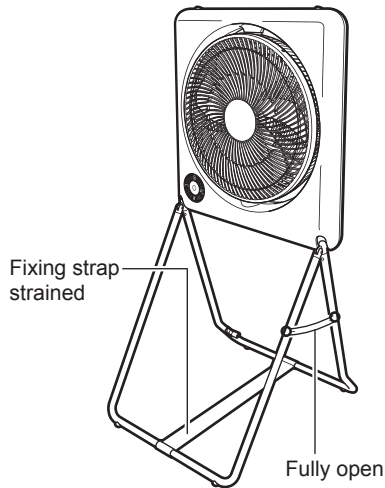
- To extend the life, remove the battery when it is not used for a long time.
- Please properly mount the battery pole ⊕ ⊖ to avoid battery rupture or liquid leakage.
- Do not charge, short circuit, disassemble, throw in fire or heat the battery.
- When liquid leakage occurs, clean it completely before inserting a new battery.

Usable range

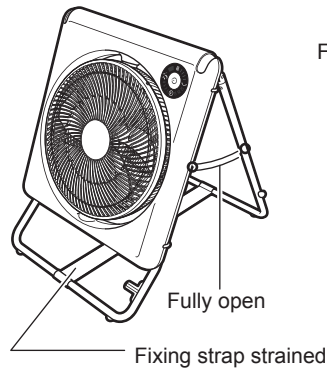
- About 5m in front of the main unit
- About 30° to the left and right sides in front of the main unit
- When there is an obstacle between the remote control and the main unit, the remote control may not work properly.

How to Use

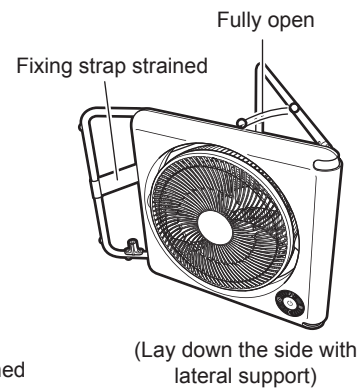
Use in high position



Use in low position

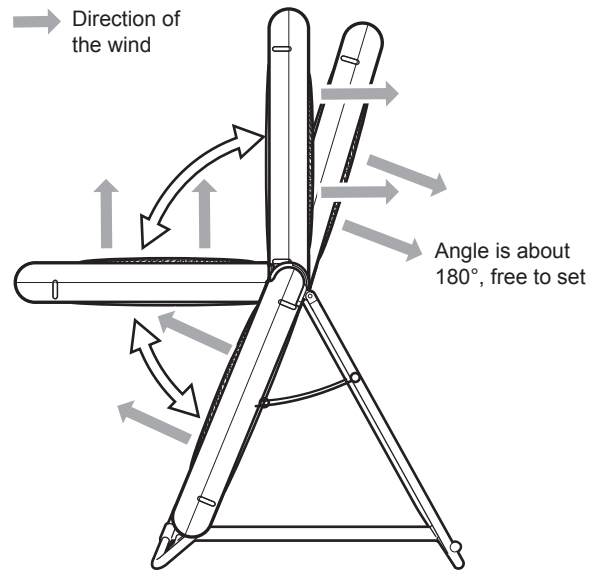


Use in sideways position



2. Place the main unit on a stable level place, and expand the support frame

When using, be sure to fully expand the support frame (fully open), drive the safety screw of security lock and strain the fixing strap no matter it is upright or horizontal. When using it horizontally, set the horizontal support part (operating part, DC power connector) downwards.



Attention

- Be careful to avoid pinching your fingers between the main unit and the support frame.
- Be sure to fully expand the support frame (fully open), drive the safety screw of security lock and strain the fixing strap before using.
- Do not start operation until the support frame is properly set.

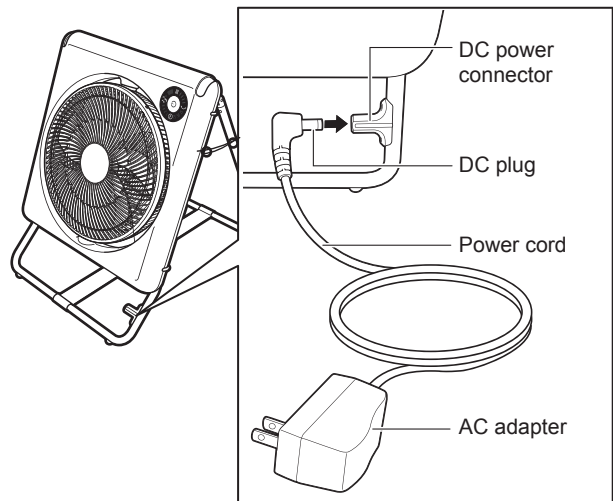
3. Insert the DC plug of the AC adapter into the main unit

Plug the DC plug into the DC power connector located on the support frame.



Attention

Do not press the power cord under the support frame. It may damage the power cable, causing fire or electric shock.





4. Plug the AC adapter into a power socket

A beep will sound when it is inserted.

Start/stop operation

1. Start operation

Simply press the power button  on the main unit or remote control to start the operation.


- In normal use, the air volume and swing angle will default to the setting when it was turned off last time because of the memory function.
- After inserting AC adaptor into the socket, press the power button  on the main unit or the remote control for the first time to start the operation from the minimum air volume and non-swing state.



Attention


- The fan can't start operation before the support frame is fully expanded.
- Keep a sufficient distance between front guard, air supply opening, rear guard, suction port and the surroundings.
- To ensure the safety of the intake and swing, please confirm that distance with the surroundings is sufficient before starting operation.

2. Adjusting air volume



Press the air volume button  on the main unit or remote control to adjust the air volume.




3. Natural/sleep wind function

Press the air volume button  on the main unit or remote control to adjust the air volume.



Press and hold the natural/sleep wind button  on the main unit or the remote control for 3 seconds to turn off  the display area and running indicator.

Memory function

When you press the power button  on the main unit or the remote control, operation will start from the last setting mode when the unit was turned off (air volume and swing angle)



※ When the AC adaptor is removed from the power socket, the device will automatically restore the initial settings.

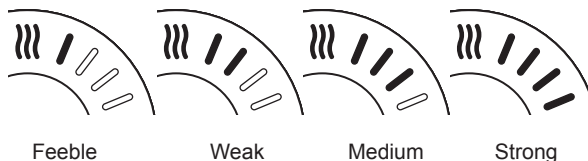
[Initial setting] Air volume: Feeble; Swing: None.

Dimming mode

After 60 seconds of operation of the main unit or the remote control, the illuminated and flashing indicators will automatically enter the dimming mode. When you press the button of the main unit or the remote control again, the dimming mode will be canceled and the brightness of the indicators will return to the normal.

Light-out mode

Press and hold the natural/sleep wind button  on the main unit for 3 seconds to set it to the light-out mode , and the illuminated and flashing indicators will be turned off. When you press the button on the main unit or the remote control again, the light-out mode will be canceled and the indicators will turn on and flash.



About natural/sleep wind function

Natural wind (green indicator on)

Adjust the air volume to reproduce the feeling of natural wind.

Press the air volume button  on the main unit or remote control to change the air volume.

Sleep wind (red indicator on)

Adjust the air volume to reproduce the feeling of natural wind.

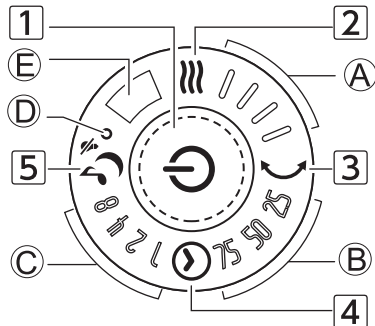
Press the air volume button  on the main unit or remote control to change the air volume as follows.

- | | |
|------------------|---|
| (At strong wind) | Strong natural wind → Medium natural wind → Weak natural wind → Feeble natural wind: Changes with time. |
| (At medium wind) | Medium natural wind → Weak natural wind → Feeble natural wind: Changes with time. |
| (At weak wind) | Weak natural wind → Feeble natural wind: Changes with time. |
| (At feeble wind) | Same as feeble natural wind. |

※ During sleep wind, the air volume indicator remains the display at the time of setting even if the air volume changes.

How to Use (cont.)

Operation Panel

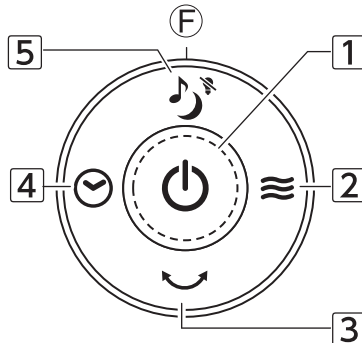


Operation buttons

The functions are same as the buttons on the main unit and the remote control.

- | | |
|---|---|
| <p>1 Power button
Start/stop operation.</p> <p>2 Air volume button
Adjust the air volume during operation.</p> <p>3 Swing button
Start/stop swinging and set swing angle.</p> <p>4 Timer button
Set the time of schedule on/off</p> | <p>5 Natural/sleep wind indicator
Switch between natural and sleep wind</p> <p>※ Press and hold it for three seconds to set the indicator to off mode.</p> |
|---|---|

Remote control



Display area

The current status can be confirmed by the indicator light around the operation button.

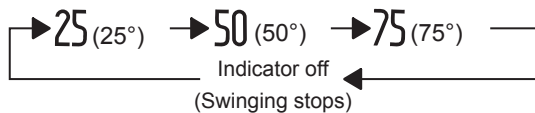
- A Air volume display**
Display the air volume during operation. The stronger the air volume, the more indicators are displayed.
(1 indicator in weak mode ~ 4 indicators in strong mode)
- B Swing indicator**
The indicator turns on during swing operation and the swing angle is shown.
- C Timing indicator**
Flash: Scheduled power-on/ ON:
Scheduled power-off
Show the time of scheduled power on/off.
- D Natural/sleep wind indicator**
The green indicator turns on in natural wind mode.
The red indicator turns on in sleep wind mode.
- E Remote control signal receiver (main unit)**
Point the remote control toward this area during operation.
- F Remote control transmission area (remote control)**
Point this part at the remote control signal receiver of the main unit.

4. Start/stop swinging

Pressing the swing button on the main unit or the remote control during operation will start swinging.

- Only the fan of the main unit will start swinging.
- The state of swinging operation can be confirmed by the swing indicator light of the main unit.

Each time you press the swing button, you can change the swing angle, and the left/right swing indicator will switch.



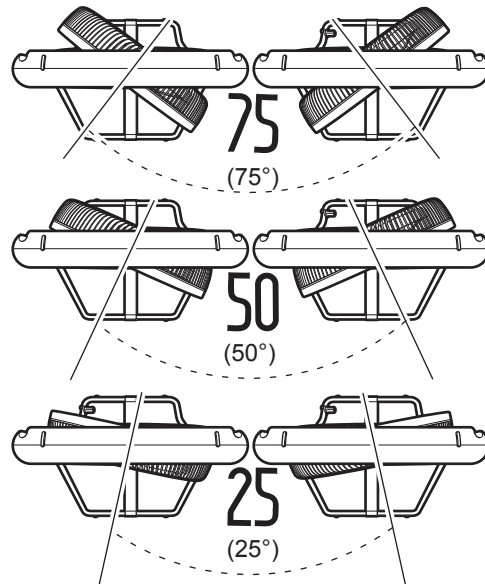
When the swing operation is started for the first time, it will take some time because it needs to confirm the current angle inside the machine. The time required will vary depending on the angle at which the swing begins.

- To stop the swing, press the swing button several times until the confirmation indicator turns off.



Attention


- It is prohibited to change the direction forcibly in the swing process.
- For safety reason, turn off the power before changing the direction.
- Changing direction forcibly may cause device damage, failure and noise.



The left-right swing direction can be changed manually

The range of the angle is about 60° (three segments in each direction, 10° per segment)

5. Stop operation

During operation, simply press the power button  on the main unit or the remote control to stop.

Auto-off function

The fan will automatically stop running after 12 hours since the last operation of the main unit or the remote control.

6. Pull the AC adapter out of the socket



Warning

Unplug the AC adapter from the socket after use.


Failure to remove it may cause fire or device failure.





Attention

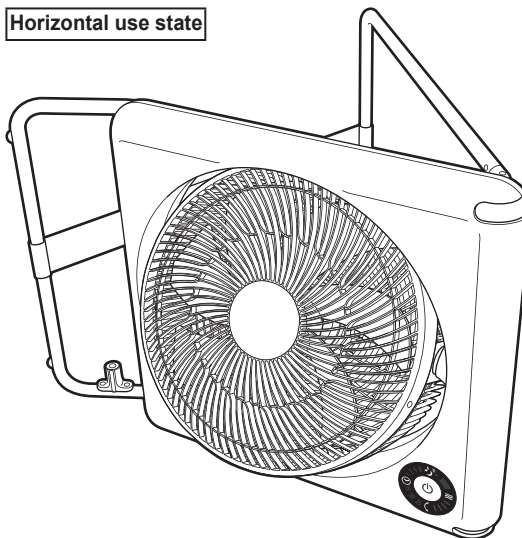
- **When the AC adapter is plugged into the power socket, the current will continue to flow to the AC adapter and the microcomputer controller.**
To save power when the fan is unused for a long period of time, unplug the AC adapter from the socket.
- **When a power failure occurs or the AC adapter is removed from the socket during running, all settings will be canceled and the operation will stop.**
Please restart the operation.

Setting swing centering on the center of the main unit
Adjusting method of swing center

In the state where there is no swing, press the power button  to stop the operation, manually adjust the fan to the right or left side, and then adjust from the stop position to the original position until three sounds are emitted.

Then press the power button  to start the operation, finally press the swing button  to start the swing operation, and the swing will be centered on the center of the main unit.

Horizontal use state



With the swing function, it is possible to supply air from a lower position than using the support frame.


How to Use (cont.)


Setting timer

Off timer setting

When off timer is set, the fan will automatically stop running after reaching the set time.


1. Press the timer button during running to set the off timer



When you press the timer button  on the main unit or the remote control during running, the timer indicator will turn on, and the schedule off mode is enabled.

The time for schedule off can be set by pressing the timer button  on the main unit or the remote control.

- Please confirm the timer indicator and set the time before the device stops.
- When the off timer is set, the timer display will show the remaining time before the schedule off function starts.


2. Cancellation of schedule off

The timer indicator will automatically turn off by simply pressing the timer button  on the main unit or the remote control several times.


 Warning	<p>After use, press the power button  to turn off the power and unplug the AC adapter from the power socket. It may cause fire or malfunction.</p>
---	---

On timer settings

When on timer is set, the fan will automatically start running after reaching the set time.


 Attention	<p>Before enabling the on timer, check the surrounding environment to ensure that the fan can operate normally after reaching the set time. Do not use the on timer in an environment where there are children, where strong wind may cause the device to tip over, or if there is fire or smoke around it that may cause a safety accident.</p>
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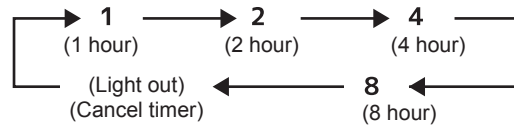
1. Press the timer button to set the on timer when the fan is stopped

If you press the timer button  on the main unit or the remote control when the fan is stopped, the timer indicator will start flashing, indicating that the schedule on mode is enabled.

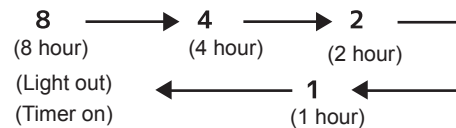
- The indicator for the last air volume (including the swing indicator) also flashes ("Memory function" → see page 6)

About the timer indicator

Each time you press the timer button  on the main unit or remote control, the timer indicator will switch in sequence as follows.




After the off/on timer is set, the timer indicator will change with the time and show the time before the timer is activated.




The timer display will turn on when the off timer is set, and will flash when the on timer is set.



※ The on timer and off timer can't be set at the same time.

You can simply press the timer button  on the main unit or the remote control to set the time to start the schedule on function.

- When the on timer is set, the timer display will show the remaining time before the schedule on function starts.

2. Setting running air volume when reaching the set time


You can simply press the air volume button  on the main unit or the remote control to set the running air volume at the set time. The air volume indicator also flashes.

- The wind blowing mode at the set time can be set by pressing the swing button  and the natural/sleep wind  button.
- Confirm the settings through the flashing indicator.

Auto-off function

The fan will automatically shut down after 12 hours of continuous operation even if it is started through the on timer. The fan will automatically stop running after 12 hours since the last operation of the main unit or the remote control.

3. Cancel the setting of schedule on

You can simply press the timer button  on the main unit or the remote control several times and the timer indicator will turn off automatically.

Maintenance and Storage



Warning

Before cleaning or maintenance, be sure to unplug the AC adapter from the power socket. It may cause electric shock, fire, or injury.

Notice

- Never use household detergents or diluents, volatile oils, alcohol or abrasive powder for cleaning.
- Do not spray water on the main unit and AC adapter (it may cause electric shock or malfunction)

Cleaning and maintenance

Routine cleaning and maintenance (when the main unit is dirty)

If the main unit is dirty, wring a soft cloth soaked in warm water or neutral detergent (except citrus type) and wipe it gently, then dry the surface gently with a dry cloth. (Do not rub the resin part hard, or else it may cause damage)

Routine cleaning and maintenance

Please clean the dust from the front guard, air supply opening, rear guard and suction port with a vacuum cleaner.



Attention

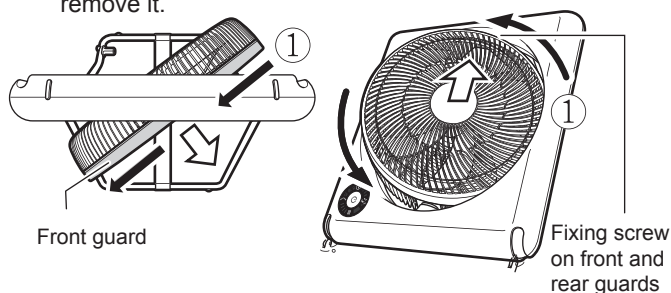
- After cleaning and maintenance, be sure to install the fan blades, spinner, and front guard correctly.
- Do not operate until the front guard is installed properly.

Internal cleaning and maintenance

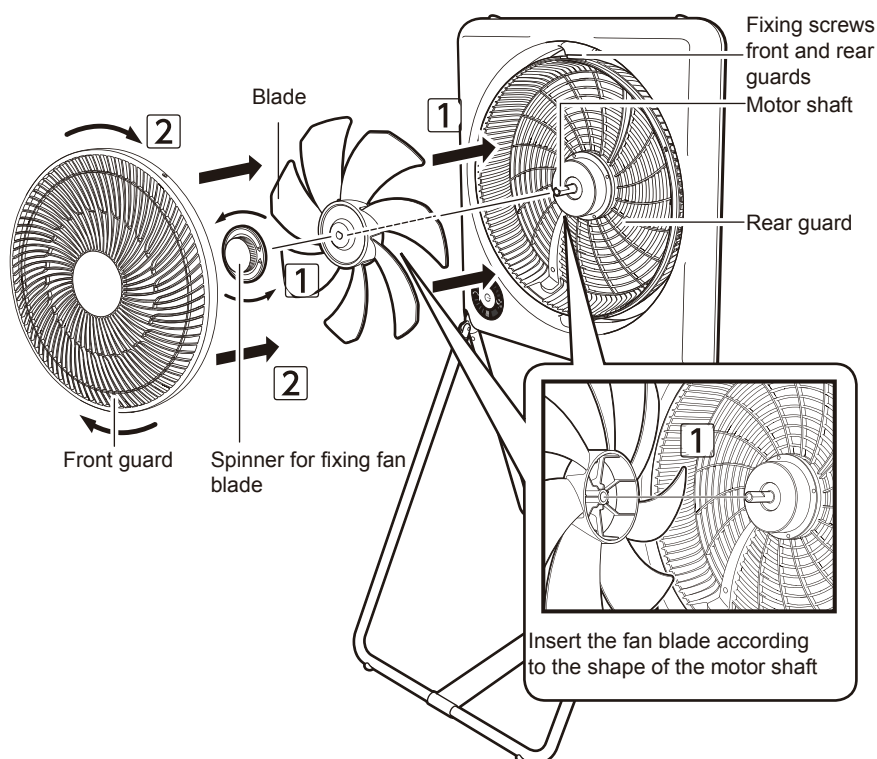
Remove the front guard and the fan blade as described below and perform internal cleaning and maintenance.

Remove parts

- ① It is difficult to remove the front guard in the current state. Therefore, adjust the fan to slightly tilt (that is, the swing state as shown below). First remove the fixing screw on front and rear guards, then turn the front guard to the left (counter-clockwise) and remove it.

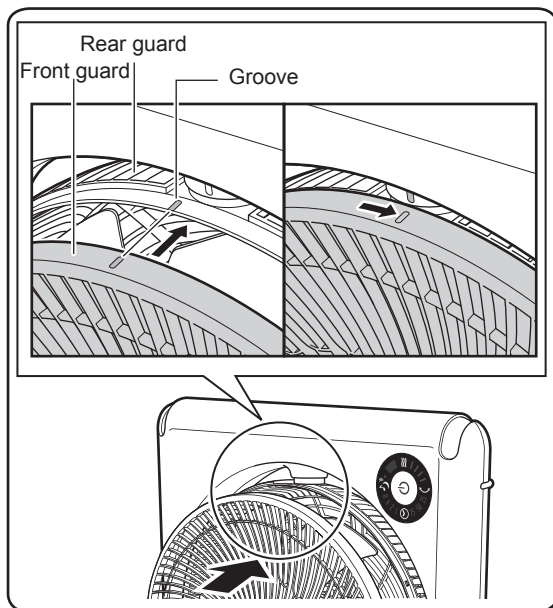


- ② Rotate the spinner fixing the blade to the right and remove it, and then remove the blade.



Installation method

- 1 Insert the fan blade according to the shape of the motor shaft, and then turn the spinner to the left and lock it securely.
- 2 Install the U-shaped groove of the front guard to the U-shaped groove of the rear guard and rotate it to the right (clockwise). Then lock the screws of the front and rear guards.



Storage method

Fold the support frame to minimize volume (see page 12) before storage.

Clean the dust from the front guard, air supply opening, rear guard and suction port with a vacuum cleaner.

- Fully dry after cleaning and maintenance.
- Put on a plastic bag, put it in the packaging box, and store it in a place where there is no moisture.
- When storing for a long time, remove the battery of the remote control.

Folding and minimizing the support frame

The unit can be folded (minimized) in a compact state when it is not in use.

1. Stop the operation with the fan blades facing the front, unplug the AC adapter from the power socket, and remove the DC plug from the main unit.
2. Slowly lower the main unit toward the support frame to overlap the main unit with the support frame.
3. Pull the fixing strap up and out ①, then wind it forward ② and attach it to the hook ③.

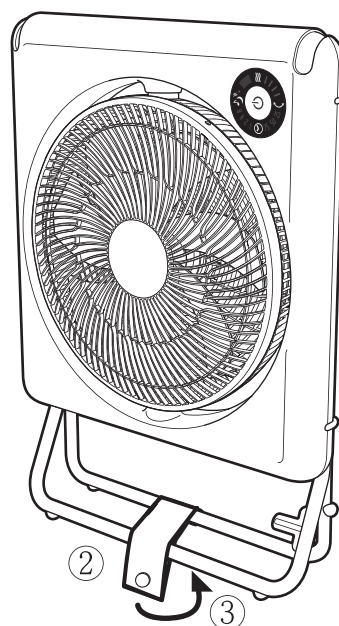
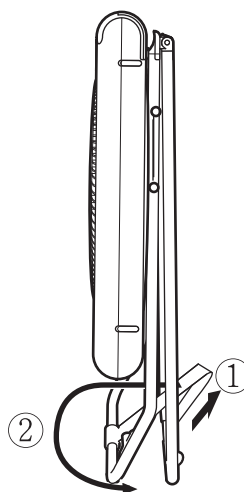


Attention

Always unplug the AC adapter from the power socket before folding.

- When folding the support frame, be careful to avoid pinching your fingers. It may cause injury or malfunction.
- Do not leave the minimized fan standing upright for a long time. Do not store it within the reach of children. It is possible to fall down and cause accidents. When saving for a long period of time, put it down, or place it in a place where it will not fall down (such as a gap).

- ✗ Do not place the minimized fan upright in a place where people are passing through. It is possible to fall down and cause accidents.
- ✗ Please insert the remote control into the storage area and store the AC adapter in an appropriate place.





Fixed strap winding method

Troubleshooting

⚠ Warning Only qualified technicians are allowed to disassemble or repair the fan.

Check according to the following table when you think it may have “failure”.

Problem	Cause	Solution
No power	• DC plug of AC adapter falls off the DC power connector	Insert the DC plug of AC adapter into the DC power connector
	• AC adapter falls off the socket	Insert the AC adapter into the socket
Air volume too small	Too much dust accumulated on the guards	Clean the dust with vacuum cleaner
Blades won't turn	<ul style="list-style-type: none"> • The blades are not properly installed • The blades are stuck by the guard 	Install blades and guards properly (refer to page 10 “Maintenance and storage”)
Display part/indicators are dark	• The dimmer mode is enabled.	Press and hold the natural/sleep wind button  on the main unit or the remote control for three seconds, or stop the running
Running stops suddenly	• Auto-off function is enabled to turn off the power automatically	Simply press any button on the main unit or the remote control to turn on the power
Noise	• The front guard or blades are not properly installed	Install the front guard and blades properly
The indicator flashes but the fan does not work when the button is pressed	• On timer is enabled	Press the timer button  repeatedly to disable the timer.
The swing center deviates from the front	• The swing operation is in manual state (refer to page 7)	Adjust the swing manually in stopped state 1. Adjust to the right until there is no click sound 2. Adjust to the left until three click sounds are made
Remote operation invalid	• The battery voltage is low	Replace the battery
	• The battery is loaded incorrectly	Install the battery properly
	<ul style="list-style-type: none"> • The remote control is installed in the storage area during operation • The remote control doesn't point at the receiver • Too far away from the receiver 	Point at the receiver Operate in effective range

Fans used for long term should be carefully inspected

Is there any of the following situations?

- Power cord or AC adapter heats up abnormally.
- The power is connected and disconnected repeatedly
- Burning smell
- Other abnormalities & failures



Please cut off the power, unplug the AC adapter and contact the dealer or Shun Hing Electric Service Centre Ltd.