

SPLIT TYPE ROOM AIR CONDITIONER

OPERATION MANUAL

HSU-05C03	HSU-12HF03	HSU-22CG03	HSU-14H13	
HSU-07CB03	HSU-12HG03	HSU-22HB03	HSU-14HA13	
HSU-07CC03	HSU-12HI03	HSU-22HC03	HSU-14HC13	
HSU-07CD03	HSU-12HJ03	HSU-22HG03	HSU-16C13	
HSU-07CE03	HSU-12HK03	HSU-09CA04	HSU-16CA13	
HSU-07CF03	HSU-12HL03	HSU-09HE04	HSU-16CB13	
HSU-07CG03	HSU-12HM03	HSU-12HI04	HSU-16H13	
HSU-07CH03	HSU-12HN03	HSU-18CB04	HSU-16HA13	
HSU-07HC03	HSU-12HP03	HSU-22HP04	HSU-16HB13	
HSU-07HD03	HSU-12HR03	HSU-09CA13	HSU-18C13(T3)	
HSU-07HE03	HSU-14C03	HSU-09CB13	HSU-18CA13	
HSU-07HG03	HSU-14CA03	HSU-09CC13	HSU-18CB13	
HSU-09CD03	HSU-14CB03	HSU-09CD13	HSU-18CC13	
HSU-09CE03	HSU-14CC03	HSU-09CE13	HSU-18HA13	
HSU-09CF03	HSU-14H03	HSU-09CF13	HSU-18HB13	
HSU-09CG03	HSU-14HA03	HSU-09CG13	HSU-18HC13	
HSU-09CH03	HSU-14HB03	HSU-09HA13	HSU-22C13(T3)	
HSU-09CJ03	HSU-14HC03	HSU-09HB13	HSU-22CA13	
HSU-09CK03	HSU-16CC03	HSU-09HC13	HSU-22CB13	
HSU-09HD03	HSU-16CD03	HSU-09HD13	HSU-22CC13	
HSU-09HE03	HSU-16CE03	HSU-09HE13	HSU-22HA13	
HSU-09HF03	HSU-16CF03	HSU-09HF13	HSU-22HB13	
HSU-09HG03	HSU-16CG03	HSU-09HG13	HSU-22HC13	
HSU-09HH03	HSU-16CH03	HSU-12CA13	H2SM-16CG03	
HSU-09HJ03	HSU-16HC03	HSU-12CB13	H2SM-16HG03	
HSU-09HK03	HSU-16HD03	HSU-12CC13	H2SM-18CB03	
HSU-10CG03	HSU-16HE03	HSU-12CD13	H2SM-18CD03	
HSU-10HG03	HSU-16HF03	HSU-12CE13	H2SM-18CG03	
HSU-11CG03	HSU-16HG03	HSU-12CF13	H2SM-18HC03	
HSU-11HG03	HSU-16HH03	HSU-12CG13	H2SM-18HD03	AS072AWMAA AU072ABMAA
HSU-12CA03	HSU-18C03(T3)	HSU-12HA13	H2SM-18HG03	AS072AIMAA AU072ABMAA
HSU-12CD03	HSU-18CC03	HSU-12HB13	H3SM-24CG03	AS052AZMAA AU052ACMAA
HSU-12CF03	HSU-18CD03	HSU-12HC13	H4SM-25CG03	AS098AIAAA AU098ABAAA
HSU-12CG03	HSU-18CG03	HSU-12HD13	H2SM-18C13	AS128AVAAA AU128ABAAA
HSU-12CI03	HSU-18HD03	HSU-12HE13	H2SM-18H13	AS228ASAAA AU228AFAAA
HSU-12CJ03	HSU-18HE03	HSU-12HF13	H3SM-24C13	AS098AZAAA
HSU-12CK03	HSU-18HG03	HSU-12HG13	H3SM-24H13	AU098ABAAA
HSU-12CL03	HSU-22CB03	HSU-14C13	H4SM-25C13	(HSU-09HG04)
HSU-12CM03	HSU-22CC03	HSU-14CA13	H4SM-25H13	
HSU-12CP03		HSU-14CB13		
HSU-12CR03				
HSU-12HA03				

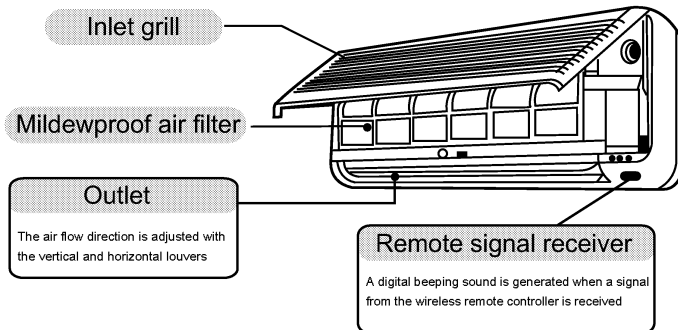
No. 0010543957

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Parts and Functions

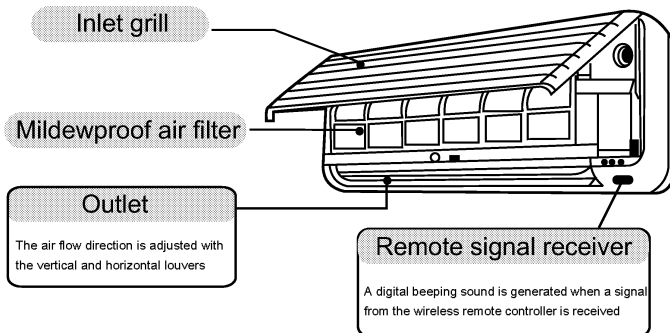
Indoor Unit



For models:

HSU-07CG03	HSU-12HA13
HSU-07HG03	H2SM-16CG03
HSU-09CD03	H2SM-16HG03
HSU-09HD03	H2SM-18CG03
HSU-10CG03	H2SM-18HG03
HSU-10HG03	H3SM-24CG03
HSU-11CG03	H4SM-25CG03
HSU-11HG03	H2SM-18C13
HSU-12CD03	H2SM-18H13
HSU-12HF03	H3SM-24C13
HSU-09CA13	H3SM-24H13
HSU-09HA13	H4SM-25C13
HSU-12CA13	H4SM-25H13

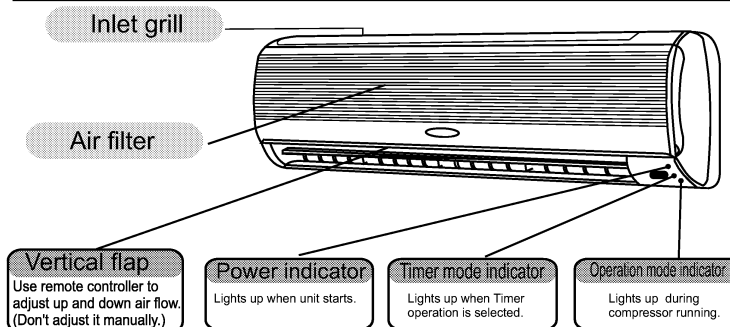
For multi-split type ,the power plug is on the outdoor unit.



For models:

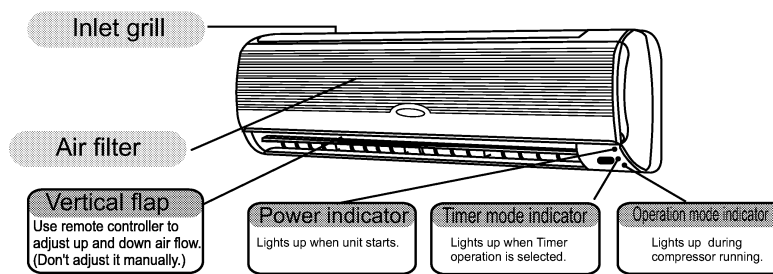
HSU-09CD13
HSU-09HD13

For multi-split type ,the power plug is on the outdoor unit.



For models:

HSU-16CG03	HSU-18CB04
HSU-16HG03	HSU-18C13(T3)
HSU-18C03(T3)	HSU-18CA13
HSU-18CG03	HSU-18HA13
HSU-18HG03	HSU-22C13(T3)
HSU-22CG03	HSU-22CA13
HSU-22HG03	HSU-22HA13

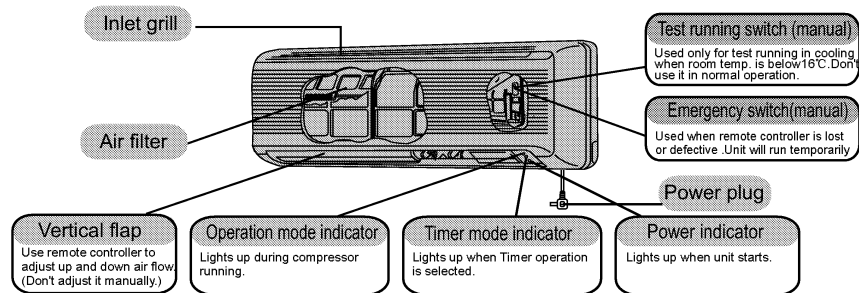


For models:

HSU-16CH03
HSU-16HH03
HSU-18CC03
HSU-18HD03
HSU-22CB03
HSU-22HB03
HSU-18CB13
HSU-18HB13
HSU-22CB13
HSU-22HB13
HSU-22HP04
AS228ASAAA

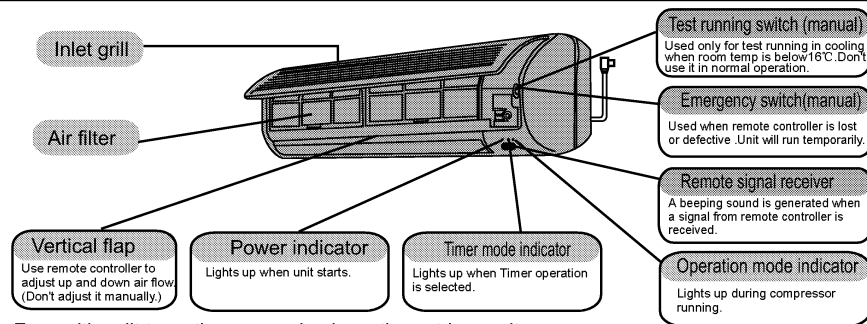
Parts and Functions

Indoor Unit



For models: HSU-12CG03

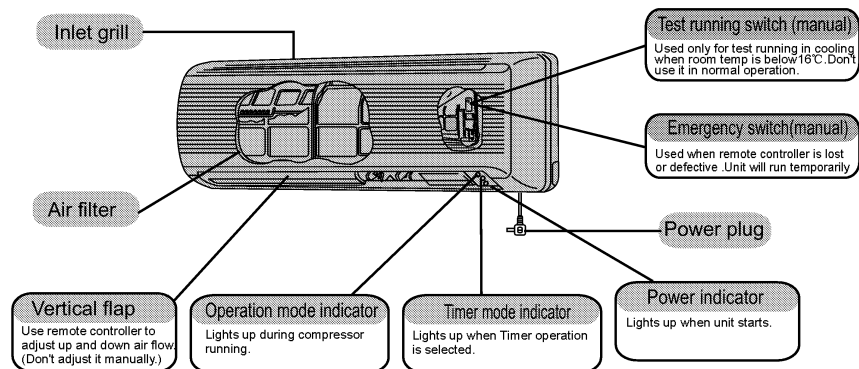
HSU-12HG03



For multi-split type, the power plug is on the outdoor unit.

For models:

HSU-05C03	HSU-09HG03	HSU-12HA03	HSU-16HC03	HSU-09HC13	HSU-12HC13	HSU-16H13
HSU-07CB03	HSU-09HH03	HSU-12HL03	HSU-09CA04	HSU-09HF13	HSU-12HF13	H2SM-18CB03
HSU-07CC03	HSU-12CA03	HSU-12HN03	HSU-12HI04	HSU-12CC13	HSU-14C13	H2SM-18CD03
HSU-07HC03	HSU-12CJ03	HSU-14C03	HSU-09CC13	HSU-12CF13	HSU-14H13	H2SM-18HC03
HSU-09CG03	HSU-12CL03	HSU-14H03	HSU-09CF13	HSU-12HB13	HSU-16C13	H2SM-18HD03
HSU-09CH03	AS128AVAAA	HSU-16CC03				
AS052AZMAA	AS098AZAAA	(HSU-09HG04)				

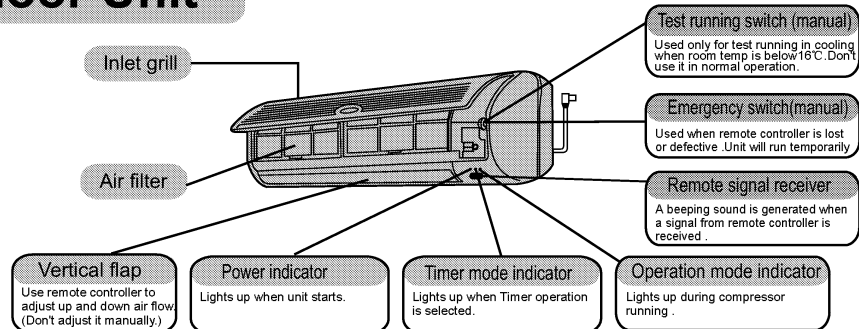


For models: HSU-12CI03

HSU-12HK03

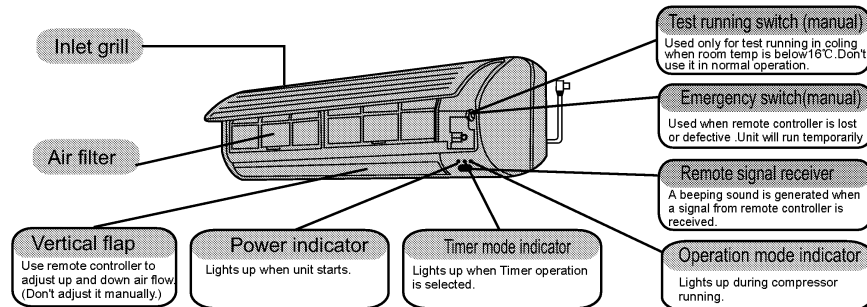
Parts and Functions

Indoor Unit



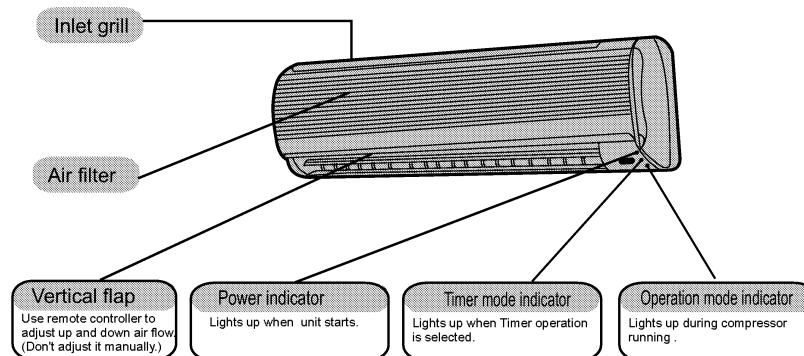
For models:

HSU-07CD03	HSU-12CF03	HSU-14HB03	HSU-09HB13	HSU-14HA13
HSU-07HD03	HSU-12CP03	HSU-14HC03	HSU-09HE13	HSU-16CA13
HSU-09CE03	HSU-12HI03	HSU-16CF03	HSU-12CB13	HSU-16HA13
HSU-07CH03	HSU-12HP03	HSU-16HF03	HSU-12CG13	HSU-09HE04
HSU-09CK03	HSU-14CA03	HSU-09CB13	HSU-12HD13	AS072AIMAA
HSU-09HE03	HSU-14CC03	HSU-09CE13	HSU-14CA13	AS098AIAAA
HSU-09HK03				



For models:

HSU-07CE03	HSU-09HJ03	HSU-12HM03	HSU-16HD03	HSU-12HE13	HSU-16HB13
HSU-07CF03	HSU-12CK03	HSU-12HR03	HSU-09CG13	HSU-12HG13	AS072AWMAA
HSU-07HE03	HSU-12CM03	HSU-14CB03	HSU-09HG13	HSU-14CB13	
HSU-09CF03	HSU-12CR03	HSU-14HA03	HSU-12CD13	HSU-14HC13	
HSU-09CJ03	HSU-12HJ03	HSU-16CD03	HSU-12CE13	HSU-16CB13	
HSU-09HF03					

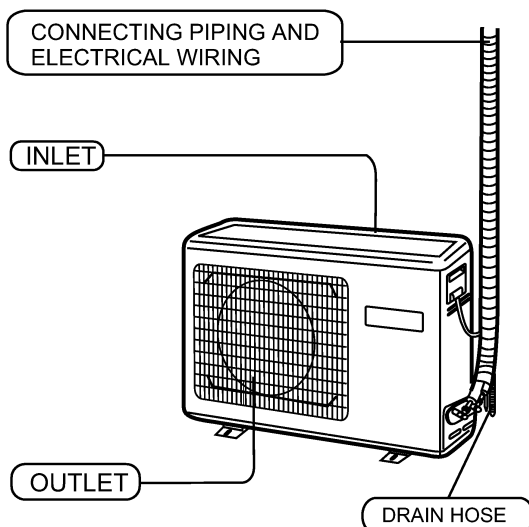


For models:

HSU-16CE03	HSU-18CD03	HSU-22CC03	HSU-18CC13	HSU-22CC13
HSU-16HE03	HSU-18HE03	HSU-22HC03	HSU-18HC13	HSU-22HC13

Parts and Functions

Outdoor Unit



- Warm air comes out when cooling, cool air comes out when heating.

The machine is adaptive in following situation

1. Applicable ambient temperature range:

Cooling	Indoor	Maximum: D.B/W.B Minimum: D.B/W.B	32°C/23°C 18°C/14°C
	Outdoor	Maximum: D.B Minimum: D.B	43°C 15°C
Heating	Indoor	Maximum: D.B Minimum: D.B	27°C 20°C
	Outdoor	Maximum: D.B/W.B Minimum: D.B/W.B	24°C/18°C -7°C/-8°C

2. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person. The type of connecting wire is H05RN-F or H07RN-F.

Cooling	Series	05,07,09,10,11,12	14	16,18,22
	Type	3G 1.5mm ²	3G 2.0mm ²	3G 2.5mm ²
Heating	Series	05,07,09,10,11,12	14	16,18,22
	Type	3G 1.5mm ² +2G 0.75mm ²	3G 2.0mm ² +2G 0.75mm ²	4G 0.75mm ² +2G 2.5mm ²

3. If the fuse on PC board is broken please change it with the type of T.3.15A/250V.

4. The distance between the indoor unit and the floor should be more than 2m.

5. The wiring method should be in line with the local wiring standard.

6. After installation, the power plug should be easily reached.

7. The waste battery should be disposed properly.

8. The appliance is not intended for use by young children or infirm persons without supervision.

9. Young children should be supervised to ensure that they do not play with the appliance.

10. The requirement of the power supply cord for H2SM-XXXX, H3SM-XXXX, H4SM-XXXX:

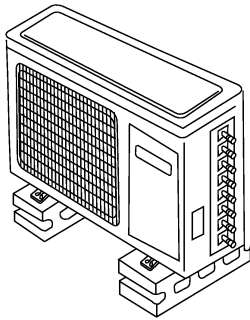
H05RN-F 3G2.5mm² (Suitable for installation in European region). SJT AWG14X3 (suitable for installation in American region).

For models:

HSU-07CB03	HSU-14H03	HSU-12CF13
HSU-07CF03	HSU-14HA03	HSU-12CG13
HSU-07CG03	HSU-14HB03	HSU-12HA13
HSU-07CH03	HSU-14HC03	HSU-12HB13
HSU-07HG03	HSU-16CC03	HSU-12HC13
HSU-09CD03	HSU-16CD03	HSU-12HD13
HSU-09CE03	HSU-16CF03	HSU-12HE13
HSU-09CF03	HSU-16CH03	HSU-12HF13
HSU-09CG03	HSU-16HD03	HSU-12HG13
HSU-09HD03	HSU-16HF03	HSU-14C13
HSU-09HE03	HSU-09HE04	HSU-14CA13
HSU-09HF03	HSU-12HI04	HSU-14CB13
HSU-09HG03	AU128ABAAA	HSU-14H13
HSU-10CG03	HSU-09CA13	HSU-14HA13
HSU-10HG03	HSU-09CB13	HSU-14HC13
HSU-11CG03	HSU-09CC13	HSU-16C13
HSU-11HG03	HSU-09CD13	HSU-16CA13
HSU-12CA03	HSU-09CE13	HSU-16CB13
HSU-12CD03	HSU-09CF13	HSU-16H13
HSU-12CF03	HSU-09CG13	HSU-16HA13
HSU-12CJ03	HSU-09HA13	HSU-16HB13
HSU-12CK03	HSU-09HB13	AU072ABMAA
HSU-12CM03	HSU-09HC13	AU098ABAAA
HSU-12HA03	HSU-09HD13	AU098ABAAA
HSU-12HF03	HSU-09HE13	(HSU-09HG04)
HSU-12HI03	HSU-09HF13	
HSU-12HJ03	HSU-09HG13	
HSU-12HL03	HSU-12CA13	
HSU-12HM03	HSU-12CB13	
HSU-14C03	HSU-12CC13	
HSU-14CA03	HSU-12CD13	
HSU-14CB03	HSU-12CE13	
HSU-14CC03		

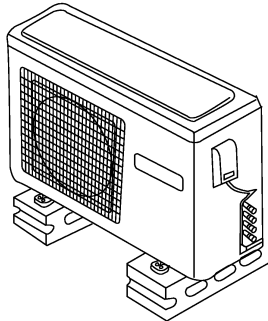
Parts and Functions

Outdoor Unit



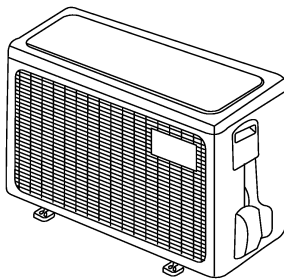
For models:

H3SM-24CG03
H4SM-25CG03
H3SM-24C13
H3SM-24H13
H4SM-25C13
H4SM-25H13



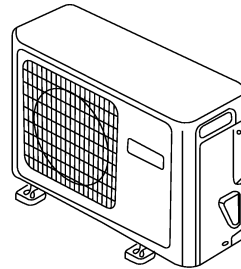
For models:

H2SM-16CG03
H2SM-16HG03
H2SM-18CB03
H2SM-18CD03
H2SM-18CG03
H2SM-18HC03
H2SM-18HD03
H2SM-18HG03
H2SM-18C13
H2SM-18H13



For models:

HSU-12CG03
HSU-12CI03
HSU-12HG03
HSU-12HK03



For models:

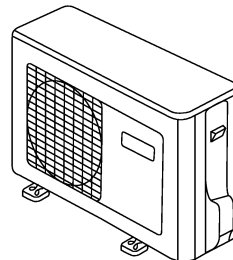
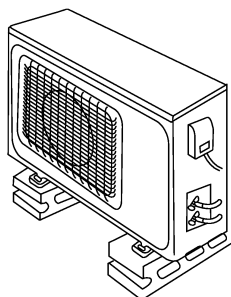
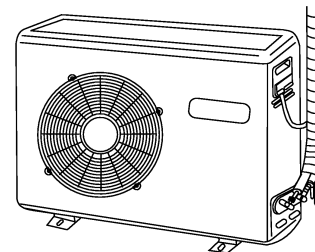
HSU-05C03
HSU-07CC03
HSU-07CD03
HSU-07CE03
HSU-07HC03
HSU-07HD03
HSU-07HE03
HSU-09CH03
HSU-09CJ03
HSU-09CK03
HSU-09HH03
HSU-09HJ03
HSU-09HK03
AU052ACMAA

For models:

HSU-16CE03	HSU-18HG03	HSU-18CC13
HSU-16CG03	HSU-22CB03	HSU-18HA13
HSU-16CH03	HSU-22CC03	HSU-18HB13
HSU-16HE03	HSU-22CG03	HSU-18HC13
HSU-16HG03	HSU-22HB03	HSU-22C13(T3)
HSU-16HH03	HSU-22HC03	HSU-22CA13
HSU-18C03(T3)	HSU-22HG03	HSU-22CB13
HSU-18CC03	HSU-18CB04	HSU-22CC13
HSU-18CD03	HSU-22HP04	HSU-22HA13
HSU-18CG03	HSU-18C13(T3)	HSU-22HB13
HSU-18HD03	HSU-18CA13	HSU-22HC13
HSU-18HE03	HSU-18CB13	AU228AFAAA

For models:

HSU-09CA04



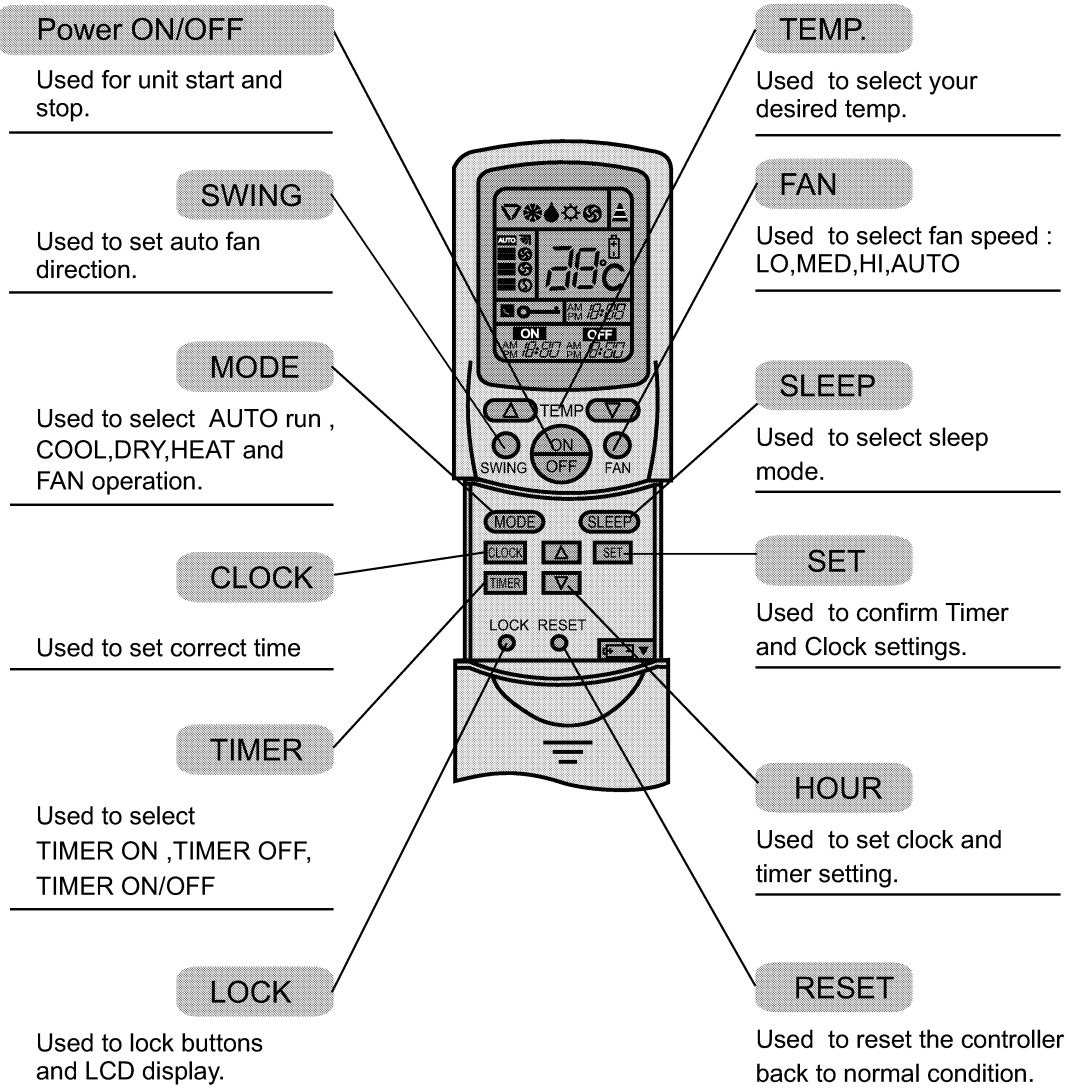
For models:

HSU-12CL03
HSU-12CP03
HSU-12CR03
HSU-12HN03
HSU-12HP03
HSU-12HR03

Parts and Functions

Operation

Buttons and display of the remote controller.



Cautions:

On cooling only unit ,heating mode is not available,
After replacing batteries ,press ON/OFF,and display becomes as follows:
Operation mode:AUTO,Temp.No
Timer mode:No,Fan speed :AUTO

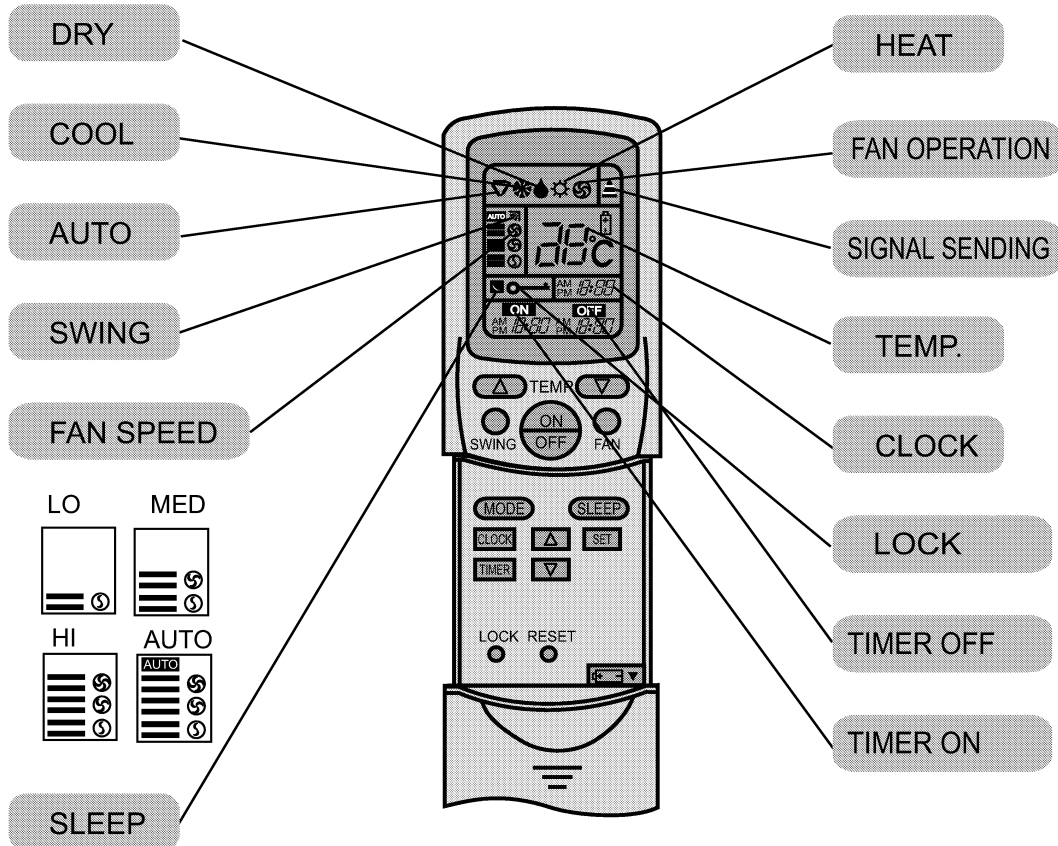
Note:

The above information is the explanation of the displayed information therefore varies with those displayed in actual operation.

Parts and Functions

Operation

Buttons and display of the remote controller.



Clock set

When unit is started for the first time and after replacing batteries in remote controller, clock should be adjusted as follows:

Press CLOCK button, "AM" or "PM" flashes.

Press Δ or ∇ to set correct time. Each press will increase or decrease 1min. If the button is kept depressed, time will change quickly.

After time setting is confirmed, press SET, "AM" and "PM" stop flashing, while clock starts working.

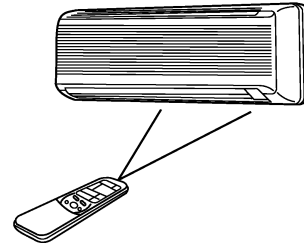
Hints

After replacing with new batteries, remote controller will conduct self-check, displaying all information on LCD. Then, it will become normal.

Operation

Remote controller's operation

- When in use ,put the signal transmission head directly to the receiver hole on the indoor unit.
- The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well.
- Don't throw the controller,prevent it from being damaged .
- When electronic-started type fluorescent lamp or change-over type fluorescent lamp or wireless telephone is installed in the room,the receiver is apt to be disturbed in receiving the signals so the distance to the indoor unit should be shorter.



Loading of the battery

Load the batteries as illustrated.

2 R-03 batteries,resetting key (cylinder)

Remove the battery cover:

Slightly press" ▼ "and push down the cover.

Load the battery:

Be sure that the loading is in line with the "+" / "-" pole request as illustrated.

Put on the cover again

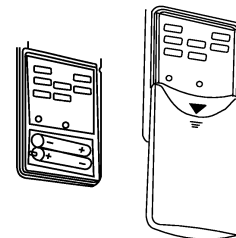
Confirmation indicator:

In disorderation,reload the batteries or load the new batteries after 5mins.

Note:

Use two new same-typed batteries when loading.

If the remote controller can't run normally or doesn't work at all, use a sharp pointed item to press the reset key.



Hint :Remove the batteries in case unit won't be in usage for a long period .
If there are any display after taking -out just need to press reset key.

Operation

Auto run,Fan operation

Enjoy yourself by just a gentle press.

(1)Unit start

Press ON/OFF button,unit starts.

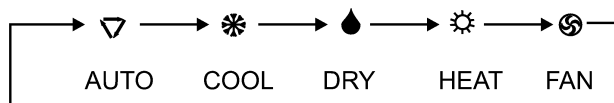
Previous operation status appears on display.

(Not Timer setting)

Power indicator on indoor unit lights up.

(2) Select operation mode

Press MODE button .For each press,operation mode changes as follows:

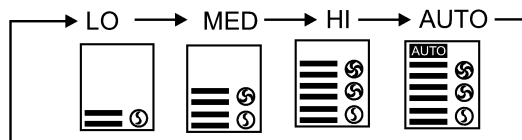


Unit will run in selected mode.

Stop display at "▽" AUTO or "🌀" FAN.

(3)FAN

Press FAN button.For each press ,fan speed changes as follows:



Unit will run at selected fan speed.

Note:AUTO is not available in FAN mode.

Adjust air flow direction if necessary,referring to page11.

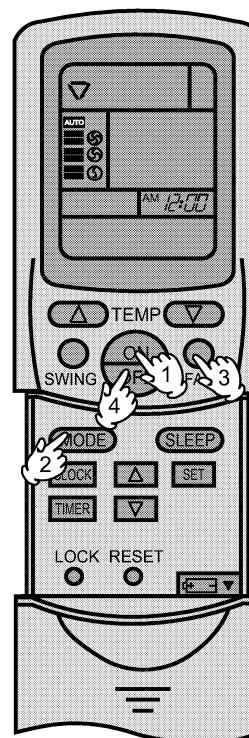
(4)Unit stop

Press ON/OFF button.

Only time remains on LCD.

All indicators on indoor unit go out.

Vertical flap closed automatically.



Hints

Remote controller can memorize settings in each operation mode .To run it next time just select the operation mode and it will start with the previous setting.

No reselecting is needed.(TIMER ON/OFF needs reselecting)

Operation

COOL,HEAT and DRY operation

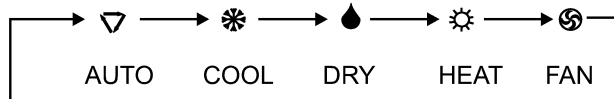
- Recommendations:
- Use COOL in summer .
 - Use HEAT in winter .
 - Use DRY in spring,autumn and in damp climate

(1)Unit start

Press ON/OFF button,unit starts.
Previous operation status appears on display.(Not Timer setting)
Power indicator on indoor unit lights up.

(2) Select operation mode

Press MODE button .For each press,
operation mode changes as follows:



Unit will run in operation mode displayed
on LCD.Stop display at your desired mode.

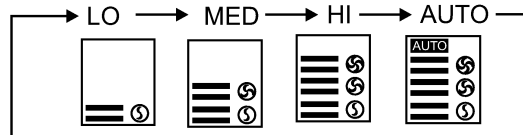
(3)Select temp.setting

Press TEMP. button.

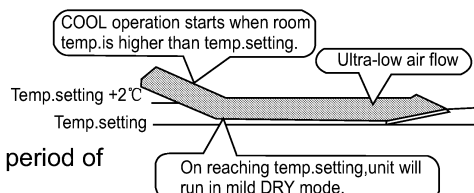
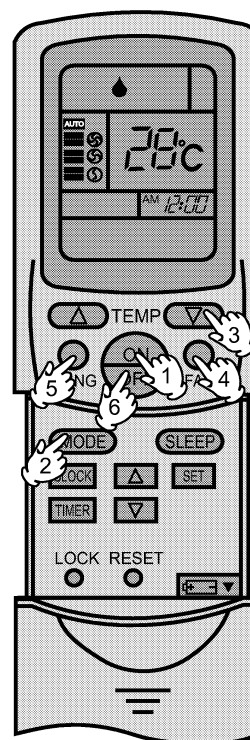
- △ Every time the button is pressed,temp.setting increases 1°C
 - ▽ Every time the button is pressed,temp .setting decreases 1°C
- Unit will start running to reach the temp.setting on LCD.

(4) Fan speed selection

Press FAN button .For each press,fan speed changes as follows:



Unit runs at the speed displayed on LCD .
In HEAT mode, warm air will blow out after a short period of
time due to cold-draft prevention function.
In DRY mode,when room temp. becomes 2°C higher than temp.
setting ,unit will run intermittently at LO speed regardless of
FAN setting.



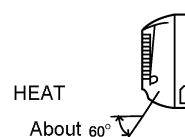
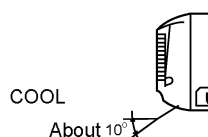
Hints

Remote controller can memorize each operation status.When starting it next time,
just press ON/OFF button and unit will run in previous status.

Operation

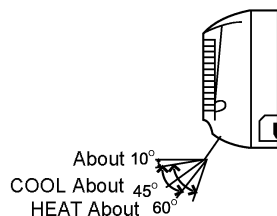
(5) Air flow direction adjustment

After operation mode is selected ,vertical flap will open automatically according to the mode. Referring to the Fig.



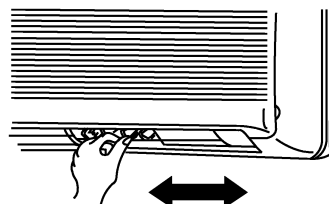
Up and down (Use remote controller)

Press SWING button,vertical flap will move within the range shown in the Fig.Press SWING button stop it at a fixed position.



Left and right air flow adjustment (manual)

Move the horizontal blade by a knob on air conditioner to adjust left and right direction referring to Fig.



Cautions:

It is advisable not to keep vertical flap at downward position for a long time in COOL or DRY mode ,otherwise ,condensate water might occur.

Cautions:

When humidity is high,condensate water might occur at air outlet if all horizontal louvers are adjusted to left or right.

(6) Unit stop

Press ON/OFF button.
Only time remains on LCD.
All indicators on indoor unit go out .
Vertical flap closes automatically.

Cautions:

Unit won't restart until 3 minutes have elapsed ,due to system protection.
HEAT mode is not available on cooling only unit .

Hints

As cold air flows downward in COOL mode,adjusting air flow horizontally will be much more helpful for a better air circulation.

As warm air flows upward in HEAT mode,adjusting air flow downward will be much more helpful for a better air circulation.

Be careful not to catch a cold when cold air blows downward.

It is harmful to your health in summer to go frequently in and out of places where temp.difference is above 7°C.Temp.difference of 3-5°C will remove your fatigue.

More than this,unit's load can be reduced and power consumption cut down as well.So,you'd better set a temp.diff of 3-5°C between indoor and outdoor temp.in COOL mode.

Operation

TIMER operation

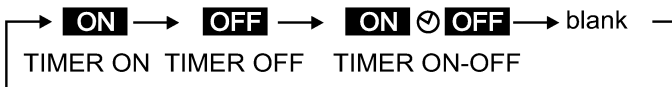
Set Clock correctly before starting Timer operation(referring to page 7)
You can let unit start or stop automatically at following times:Before you wake up in the morning,or get back from outside or after you fall asleep at night.

TIMER ON/OFF

(1)After unit start,select your desired operation mode.
Operation mode will be displayed on LCD.
Power indicator on indoor unit lights up.

(2)TIMER mode selection

Press TIMER button to change TIMER mode.
Every time the button is pressed,display changes as follows:



Select your desired TIMER mode(TIMER ON or TIMER OFF)ON or OFF will flash.

(3)Timer setting

Press HOUR Δ / ▽ button.

Δ Every time the button is pressed,time increases 10 min.If button is kept depressed,time will change quickly.

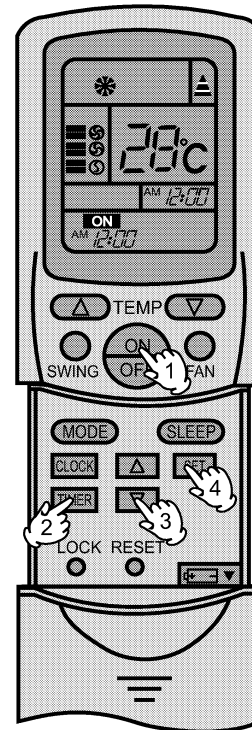
▽ Every time the button is pressed,time decreases 10 min.If button is kept depressed,time will change quickly.Time will be shown on LCD.It can be adjusted within 24 hours.

(4)Confirming your setting

After setting correct time,press SET button to confirm,"ON" or "OFF" stops flashing

Time displayed:Unit starts or stops at x hour x min.(TIMER ON orTIMER OFF).

Timer mode indicator on indoor unit lights up.



To cancel TIMER mode

Just press TIMER button several times until TIMER mode disappears.

Hints

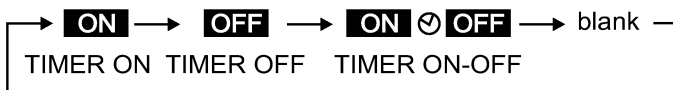
After replacing batteries or a power failure happens,Time setting should be reset.
Remote controller possesses memory function,when use TIMER mode next time,just Press SET button after mode selecting if timer setting is the same as previous one.

Operation

TIMER ON-OFF

(1)After unit start,select your desired operation mode
Operation mode will be displayed on LCD.
Power indicator on indoor unit lights up.

(2)Press TIMER button to change TIMER mode.
Every time the button is pressed,display changes as follows:



Select TIMER ON-OFF." ON" will flash.

(3)Time setting for TIMER ON

Press HOUR button.

△ Every time the button is pressed,time increases 10min.If
button is kept depressed ,time will change quickly.

▽ Every time the button is pressed,time decreases 10min.If
button is kept depressed ,time will change quickly.

Time will be shown on LCD.

It can be adjusted within 24 hours.

AM refer's to morning and PM to afternoon.

(4)Time confirming for TIMER ON

After time setting,press TIMER button to confirm.

"ON" stops blinking, while "OFF" starts blinking.

Time displayed:Unit starts at x hour x min.

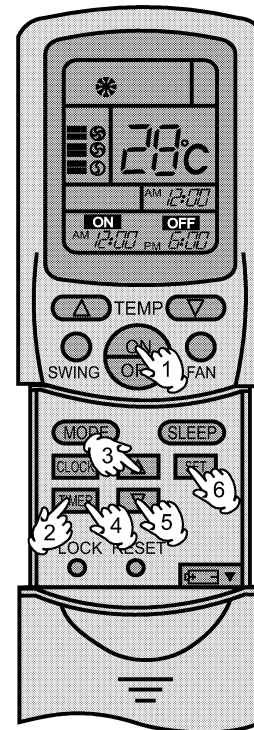
(5)Time setting for TIMER OFF

After time setting,press SET button to confirm," OFF" stops flashing.

Time displayed:Unit stops at x hour x min.

(6)Time confirming for TIMER OFF

Follow the same procedures in" Time setting for TIMER ON".



To cancel TIMER mode

- Just press TIMER button several times until TIMER mode disappears.
- According to the Time setting of TIMER ON or TIMER OFF, Start-Stop can be achieved.

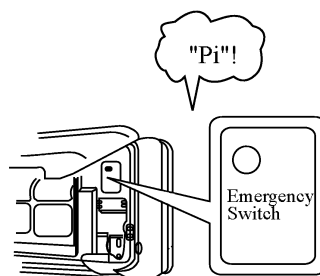
Operation

Emergency operation and test operation

Emergency operation:

- Carry out this operation only when the remote controller is defective or lost.
- When the emergency operation switch is pressed, a "Pi" sound starts once, which means the start of this operation.
- In this operation, it is not possible to change the settings of temperature and air flow speed, it is also impossible to do an operation by the timer.
- Follow the requirements below.

Room temperature	Designated temperature	Timer mode	Air flow speed	Operation mode
More than 23°C	26°C	CONTINUOUS	AUTO	COOL
Less than 23°C	23°C	CONTINUOUS	AUTO	HEAT



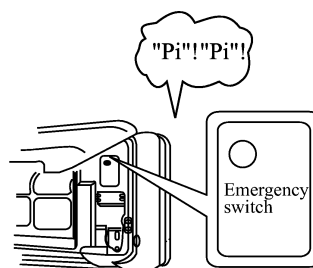
※ If an air conditioner is a model for both cooling and heating.

Cooling when the room temperature at the start of operation is above 23°C.

Heating when the room temperature at the start of operation is less than 23°C.

Test operation:

- Use this switch in the test operation when the room temperature is less than 16°C, do not use it in the normal operation. Continue to press the test operation switch for more than 5 seconds. After you hear the "Pi" sound twice, release your finger from the switch, the cooling operation starts with the air flow speed setting "Hi".



Removal of the restriction of emergency or test operation:

- Press once more the emergency operation switch, or manipulate through the remote controller, a "Pi" sound causes the restriction of emergency or test operation to be removed.
- When the remote controller is manipulated for the removal, then the selected operation by the remote controller.

Operation

Comfortable SLEEP

Before going to bed at night, you can simply press the SLEEP button and unit will bring you a sound sleep in selected mode.

In COOL mode

One hour after SLEEP mode starts, temp. will become 1°C higher than temp. setting. After running for another 1 hour, temp. rises by 1°C further. Unit will run for 6 hours then stops automatically. Temp. is higher than temp. setting so that room temp. won't be too low for your sleep. (As shown in Fig.1)

In HEAT mode

One hour after SLEEP mode starts, temp. will become 2°C lower than temp. setting. After running for another 1 hour, temp. decreases by 2°C further. Unit will run for 3 hours at this temp. then increases another 1°C and stops automatically 3 hours later. Temp. is lower than temp. setting so that room temp. won't be too high for your sleep. (As shown in Fig.2)

Power Failure Resume Function

※Only some of the models have this function.

If the unit is started for the first time, the compressor will not start running unless 3 minutes have elapsed. When the power resumes after power failure, the unit will run automatically, the power indicator lights up, and 3 minutes later the compressor starts running with the indicator lighting up.

Note:

In AUTO mode, unit will run in SLEEP function according to operation mode. In FAN mode, comfortable sleep is not available.

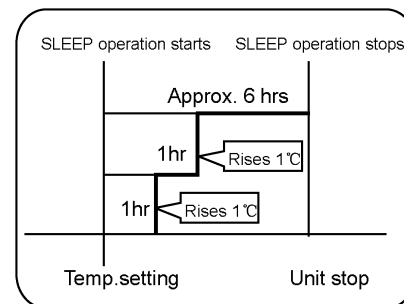
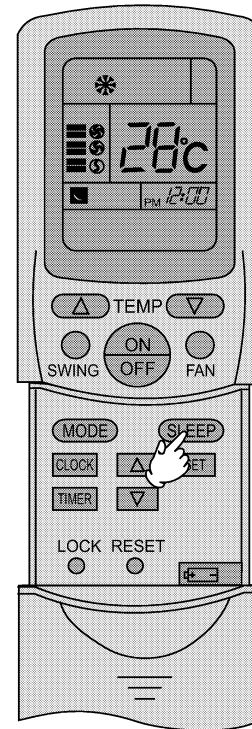


Fig.1

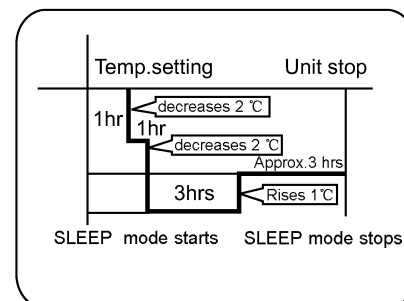
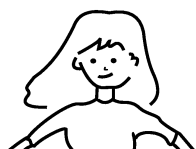


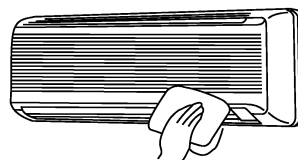
Fig.2

Maintenance

※ Different models have different appearance.



Cleaning of unit casing



Cut off power supply before cleaning wipe unit casing with soft cloth. In case of heavy stain, clean it with neutral detergent. squeeze water in the cloth, wipe off the detergent on unit casing completely.



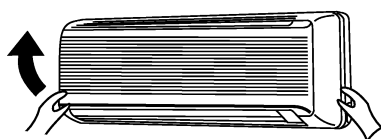
Cleaning of remote controller



Don't use water to wash unit casing, please use dry cloth. Don't use glass cleaner or cloth soaked with chemicals.



Cleaning of air filter.

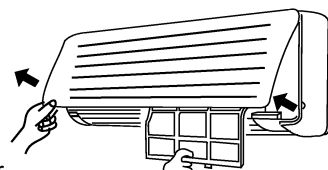


1. Open inlet grill by pulling it upward.

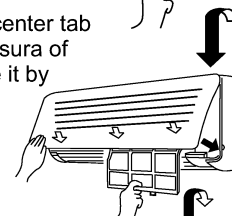
3. Clean the filter
Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely in the shade.



5. Close the inlet grill.



2. Remove air filter
Push up the filter's center tab slightly until it is caesura of the stopper. Remove it by pulling down.

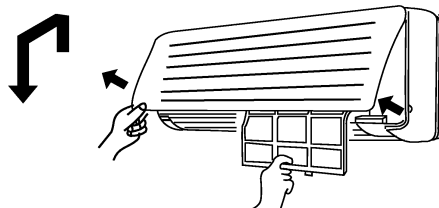


4. Attach the filter
Attach filter behind the stopper so that the "Front" indication is facing to the front. Make sure that it is completely behind the stopper, otherwise problems might occur.

Maintenance

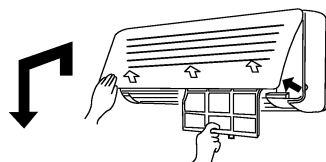
Replacement of Electrostatic Filter

- 1** Detach the Air filters.



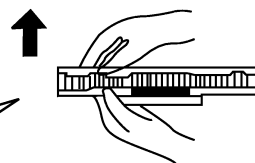
- 2** Detach the Electrostatic Filters.

Be careful with fins.

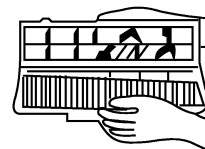


- 3** Replace the old filter with new one into the frame.

Pull up the hook to the designated direction

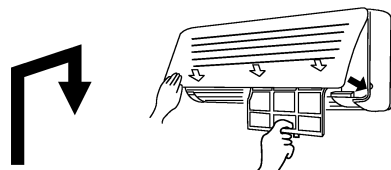


white side should be up side.



- 4** Open the frame of the filter

- 5** Attach the Electrostatic Filters.



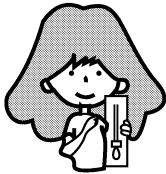
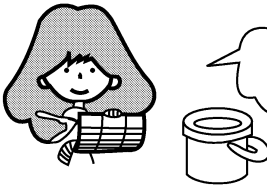
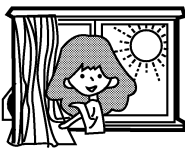
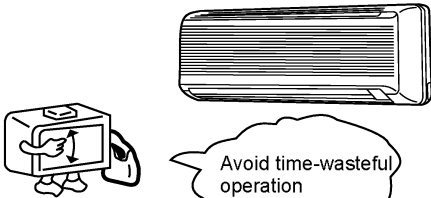
- 6** Attach the Air Filters.
Close the inlet grill.

Some of the models may not have the frame of the filter .

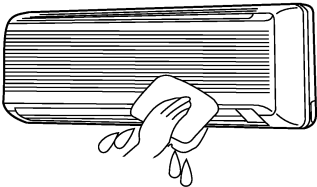
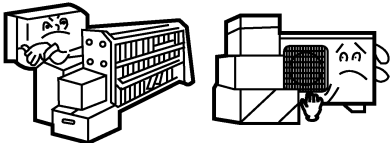
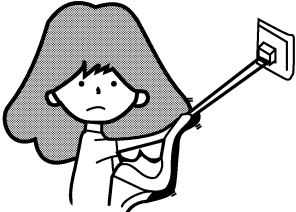
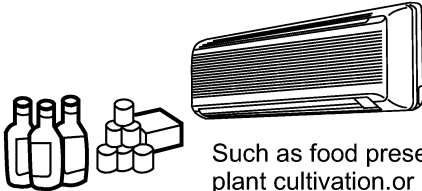
If Electrostatic Filter can no longer be used, please buy a new one instead.

Maintenance

Better use of air conditioner






<p>Proper room temperature</p>  <p>Proper temperature</p>	<p>Cleaning of the air filter</p>  <p>Once every two weeks</p>
<p>Closing of doors and windows during operation</p>  <p>Curtains or blinds for windows</p>	<p>Effective use of the timer</p>  <p>Avoid time-wasteful operation</p>

Never fail to observe the followings

<p>Do not sprinkle water over the unit.</p> 	<p>Do not block the inlet or outlet.</p> 
<p>Do not pull power plug</p> 	<p>Do not use for other purposes.</p>  <p>Such as food preservation, plant cultivation, or animal breeding.</p>

Trouble shooting

Before asking for service, check the following first.

	Phenomenon	Cause or check points
Normal Performance inspection	<p>The system does not restart immediately.</p> 	<ul style="list-style-type: none"> • When unit is stopped, it won't restart immediately until 3 minutes have elapsed to protect the system. • When the electric plug is pulled out and reinserted, the protection circuit will work for 3 minutes to protect the air conditioner.
	<p>Noise is heard:</p> 	<ul style="list-style-type: none"> • During unit operation or at stop, a swishing or gurgling noise may be heard. At first 2-3 minutes after unit start, this noise is more noticeable. (This noise is generated by refrigerant flowing in the system.) • During unit operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes. • Should there be a big noise from air flow in unit operation, air filter may be too dirty.
	<p>Smells are generated.</p>	<ul style="list-style-type: none"> • This is because the system circulates smells from the interior air such as the smell of furniture, cigarettes.
	<p>Mist or steam are blown out.</p> 	<ul style="list-style-type: none"> • During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of indoor air.
Multiple check	<p>Does not work at all</p> 	<ul style="list-style-type: none"> • Is power plug inserted? • Is there a power failure? • Is fuse blown out?
	<p>Poor cooling</p> 	<ul style="list-style-type: none"> • Is the air filter dirty? Normally it should be cleaned every 15 days. • Are there any obstacles before inlet and outlet? • Is temperature set correctly? • Are there some doors or windows left open? • Is there any direct sunlight through the window during the cooling operation? (Use curtain) • Are there too much heat sources or too many people in the room during cooling operation?

Application temp. range of air conditioner -7°C ~43°C.