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USER'S MANUAL

R North Cool

Read This Manual

Keep this manual where the operator can easily find them.Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventative care on your part can save you a great deal of time and moneyover the life of your air conditioner.You'll find many answers to common problems in the chart of trouble shooting tips. If you review the chart of Trouble shooting Tips first, you may not need to call for service.

The design and specifications are subject to change without prior notice forproduct improvement. Consult with the sales agency or manufacturer for details.

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When using this air conditioner in the European countries, please read the following information:

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- DISPOSAL: Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

It is prohibited to dispose of this appliance in domestic household waste. For disposal, there are several possibilities:

A)The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.

B)When buying a new product, the retailer will take back the old product at least free of charge.C)The manufacturer will take back the old appliance for disposal at least free of charge to the user.D)As old products contain valuable resources, they can be sold to scrap metal dealers.Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.



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SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The seriousness is classified by the following indications.

WARNING This symbol indicates the possibility of death or serious injury.		This symbol indicates the possibility of death or serious injury.
		This symbol indicates the possibility of injury or damage to property.

• Meanings of symbols used in this manual are as shown below.

\oslash	Strictly prohibited.	
0	Be sure to follow the instructions.	

WARNING

• Do not extend the cable and never use multiple plugs. A poor electrical connection, poor insulation or voltage which is higher than permitted can cause fire.

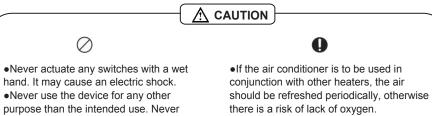
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Do not expose your body directly to the cool air for prolonged period.
Never poke fingers, sticks or other objects in the air inlet and outlet vents.
Never attempt to repair, relocate, modify the air conditioner yourself Always contact your service partner if it requires.

Never pull the plug out by pulling on the cable. Hold the plug firmly and pull it out of the plug socket, otherwise there is a risk of damaging the cable.
Do not operate your air conditioner in a wet room such as a bathroom or laundry room. •Remove all dirt from the power plug and plug it firmly. Soiled plugs can cause fire or an electric shock.

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- •In the event of any abnormalities such as smell of burning, immediately switch off the device and pull the plug. Contact your service partner.
- •Always switch off the device and pull the plug before you start to clean it.
- •Use specified power cord.
- •Contact the authorized installer for installation of this unit.
- •Contact an authorized service technician for repair or maintenance of this unit.
- This appliance is not intended for use by persons(including children) with reduced physical, sensory or mental capabilities, or lack of experience 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 air conditioner.



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place food, precision instruments,

to the air flow.

by the emitted air.

explosion.

never place anything on it.

or if the humidity is very high.

water.

plants, animals, paint, etc. on the unit.

•Never clean the air conditioner with

•Do not expose plants or animals directly

•Never use combustible cleaning agents

as these could cause a fire or deformation.

•Never place any burning objects close to

the device if they could be directly affected

•Never step on to the outdoor device and

•Never install the air conditioner in places

•Never use an unsteady or rusty base.

where combustible gas can be emitted.

Emmitted gas may collect and cause an

•Never allow the air conditioner to run for

too long with the doors or windows open,

Always pull out the power plug if the unitis not going to be used for any lengthy period of time. Collections of dust can cause fire.
Always switch off the air conditioner and pull out the power plug during a storm. Electrical parts may get damaged.

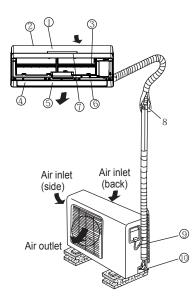
Check that the drainage line is correctly connected. If not, water will escape.Check that the condensation water can run

off unhindered. It may cause water damage if the condensation water can not run off properly.

The air conditoner must be earthed in accordance with the local codes.
For electrical safety purposes were commend that you install an earth-leakage circuit-breaker.

•If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similary qualified persons in order to avoid a hazard.

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Indicator lamps



Names of parts

Indoor unit

- 1 Front panel
- 2 Air inlet
- 3 Air filter
- 4 Air outlet
- 5 Horizontal air flow grille
- (6) Vertical air flow louver (inside)
- ⑦ Display panel

Outdoor unit

8 Connecting pipe

9 Connecting cable

10 Stop valve

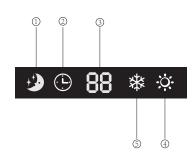
NOTE:

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All the pictures in this manual are for explanation purposes only. The actual shape of the indoor unit you purchased may be slight different on front panel and display window. The actual shape shall prevail.

Indicator lamps

- ① Digital display tubes, standby display ambient temperature, operating status display set temperature, timer status display timing.
- 2 Indicating lamp for running in HEAT mode
- 3 Indicator lamp for running in COOL mode
- 4 Indicator lamp for running in TIMER mode



- 1 Indicator lamp for running in SLEEP mode
- ②Indicator lamp for running in TIMER mode
- ③ Digital display tubes, standby display ambient temperature, operating status display set temperature, timer status display timing.
- ④ Indicating lamp for running in HEAT mode
- ⑤Indicator lamp for running in COOL mode

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NOTE: This manual does not include Remote Controller Operations, see the <<Remote Controller Instruction>> packed with the unit for details.

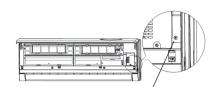
Operating temperature

Mode Temperature	Cooling operation	Heating operation	Drying operation
Room temperature	16℃~32℃(61°F~90°F)	0℃~30℃ (32°F~86°F)	10℃~32℃(50°F~90°F)
Outdoor temperature	0℃~50℃ (32°F~122°F)	-15℃~30℃ (5°F~86°F)	0℃~50℃ (32°F~122°F)
NOTE:			

- 1. Optimum performance will be achieved within these operating temperatures. If air conditioner is used outside of the above conditions, certain safety protection features might come into operation and cause the unit to function abnormally.
- If the air conditioner runs for a long time in cooling mode and the humidity is high(over 80%), condensed water may drip out of the unit. Please sets the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

Manual operation

Units are equipped with a switch to run emergency operation mode. It can be accessed by opening the front panel. This switch is used for manual operation in case the remote controller fails to work or maintenance necessary.



Emergency switch





Supporting clip

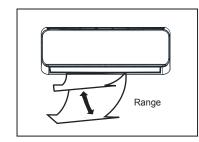
NOTE:The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit is off. ①Open and lift the front panel up to an angle until it remains fixed with a clicking sound. For some models, please use suspension bars to prop up the panel.

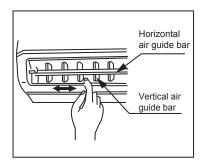
- 2)One press of the manual control switch will lead to the forced AUTO operation.
- ③Close the panel firmly to its original position.

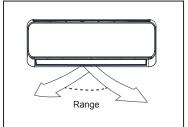
CAUTION:

- •This switch is used for testing purposes only. You had better not choose it.
- •To restore the remote controller operation, use the remote controller directly.

Airflow direction control







Adjust the air flow direction properly otherwise it might cause discomfort or cause uneven room temperatures.

Adjust the horizontal louver using the remote controller.

Adjust the vertical louver manually.

To set the vertical air flow(Up--Down) direction

•Perform this function while the unit is in operation. Use the remote controller to adjust the air flow direction.

To set the horizontal air flow direction (left riaht)

•Turn the vertical air guide bar to adjust the reguired air flow direction.

IMPORTANT:Do not put your fingers into the panel of blower and suction side. The high-speed fan inside may cause danger.

∧ CAUTION

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•Do not operate the air conditioner for long periods with the air flow direction set

downward in cooling or dehumidifying mode.

Otherwise, condensation may occur on the surface of the horizontal louver causing moisture to drop on

to the floor or on furnishings.

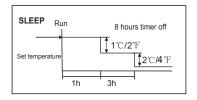
•When the air conditioner is started immediately after it was stopped, the horizontal louver might not move for approximately 10 seconds.

•Open angle of the horizontal louver should not be set too small, as COOLING or HEATING performance may be impaired due to too restricted air flow area.

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SLEEP Run 8 hours timer off

Cooling



Heating

AUTO operation

•When you set the air conditioner in AUTO mode, it will automatically select cooling, heating (cooling/ heating models only), or fan only operation

depending on set temperature and the room temperature.

•The air conditioner will control room temperature automatically to the temperature point you set.

SLEEP operation

•When you press the SLEEP button of remote controller in COOL, HEAT (only suitable forCOOL/HEAT model) or AIR SUPPLY mode, the air conditioner will increase (COOL) or decrease (HEAT) 1 C/2 T automatically after running for 1 hour, and then increase 1 C/2 T automatically after running for 3 hours in COOL mode an decrease 2 C/4 T automatically after running for 3 hours in HEAT mode, after that remain stable in the following 5 hours.

DRYING operation

•Run at low air speed automatically in DRY mode. •In DRY mode, if the room temperature is lower than 18 $^{\circ}$ (64 $^{\circ}$), the outdoor unit will stop running, and the indoor unit continues running at low.

Optimal operation

To achieve optimal performance, please note the following: •Adjust the air flow direction correctly so that it is not forwards people.

•Adjust the temperature to achieve the highest comfort level. Do not adjust the unit to excessive temperature levels.

•Close doors and windows on COOL or HEAT modes,or performance may be reduced.

•Use TIMER button on the remote controller to select a time you want to start your air conditioner.

•Do not put any object near air inlet or air outlet, as the efficiency of the air conditioner may be reduced and the air conditioner may stop running.

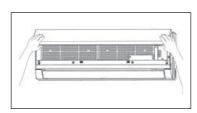
•Clean the air filter periodically, otherwise cooling or heating performance may be reduced.

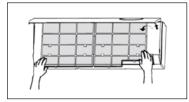
Do not operate unit with horizontal louvre in closed position.

Note:

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It will remember the current operat-ing status after air conditioning off, Calls will automatically restore power before the operation.





Cleaning of front panel

1. The panel is easy to get dirty, please wipe with soft dry cloth.

2. If the panel is dirty, you can wipe it with cloth immersed in cold or warm water, and then wipe dry completely with soft dry cloth.

Attention

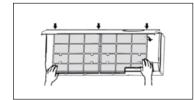
•Do not clean the unit with cloth or duster subject to chemical treatment.

•Do not use gasoline, diluent, polishing powder or similar solvent. These may cause cracking or deformation of rubber surface.

•Do not clean the front panel with water at a

temperature above 40 $^\circ\rm C$ (104 $^\circ\rm F$), otherwise, discolor and deformation may be caused.





Note: Power supply must be disconnected before cleaning the indoor unit.

Cleaning of strainer

(once per two weeks as appropriate)

 Open the panel upward and slightly place it on supporting clip, and then you can see the strainer.
 Slightly buckle up the strainer from leftmost and rightmost edges, buckle up 4 clips on the lower part of face frame out of the filling slot and take out the strainer downward.

3.Remove dust on the strainer with vacuum cleaner. If too much dust accumulates on the strainer, neutral detergent can be used. Clean with neutral detergent followed by water, and then airdry in in the shadow.

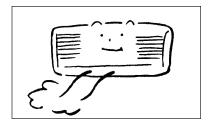
4.Recover the strainer (with the side with rib upward), first exert force upward along guide rail, after inserting in place, snap 4 clips into face frame, and meanwhile lay down the panel slightly and snap

Attention:

the strainer shall not be cleaned with hot water above 40°C/104 $\mathbb F$ in case that the strainer deforms. After cleaning the strainer shook off moisture completely and airdry it in the shadow. The strainer shall not be dried in direct sun or oven dried to prevent deformation.







Preparation for extended non-operation

If you plan to idle the unit for along time, perform the following:

(1) Clean the indoor unit and filters.

(2) Operate the fan for about half a day to dry the inside of the unit.

(3) Stop the air conditioner and disconnect power. Remove the batteries from the remote controller.

(4) The out door unit requires periodic

maintenance and cleaning. Do not attempt to do this yourself. Contact your dealer or service provider.

Pre-season inspection

•Check that the wiring is not broken off or disconnected.

- •Clean the indoor unit and filters.
- •Check that the air filter is installed.

•Check if the air outlet or inlet is blocked after the air conditioner has not been used for a long time.

A Caution

•Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.

Do not use water to clean inside the air conditioner.Exposure to water can destroy the insulation, leading to possible electric shock.
When cleaning the unit, first make sure that the power and circuit breaker are turned off.

Normal function of the air conditioner

- The following events may occur during normal operation.
- 1.Protection of the air conditioner.Compressor protection
- •The compressor can't restart for 3 minutes after it stops.
- Anti-cold air (Cooling and heating models only)

•The unit is designed not toblow cold air on HEATmode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.

A) When heating has just started.

B) Defrosting.

C) Low temperature heating.

•The indoor or outdoor fan stop running when defrosting (Cooling and heating models only).

Defrosting (Cooling and heating models only)

• Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lowerheating efficiency of the air conditioner.

•During this condition air conditioner will stop heating operation and start defrosting automatically

•The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost built up on the outdoor unit.

2.A white mist coming out from the indoor unit

•A white mist may generate due to a large temperature difference between air inlet and air outlet on COOLmode in an indoor environment that has a high relativehumidity.

•A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEATmode operation after defrosting.

3.Low noise of the air conditioner

•You may hear a low hissing sound when the compressor is running or has just stopped running. It is the sound of the refrigerant flowing or coming to a stop.

•You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.

•A noise may be heard due to louver restoring to its original position when power is turned on.

4.Dust is blown out from the indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5.A peculiar smell comes out from the indoor unit.

This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

6.The air conditioner turns to FAN only mode from COOLor HEAT mode.

When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEATmode to the set point.



7. The mold proof function is still running after turning off air conditioner (optional)

In the state that the unit is turned off in COOL (automatic and forced) and DRY modes and the compressor runs for up to 10min accumulatively, the air conditioner will run the mold proof function for 5~8min.

8. Dripping water may generate on the surface of the indoor unit when cooling in a high relatively humidity (relative humidity higher than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

9.Heating mode (For cooling and heating models only)

The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. If acomfortable temperature can't be achieved by the air conditioner, we suggest you use a supplementary heating device.

10.Auto-restart function

Power failure during operation will stop the unit completely. For the unit without Auto-restart feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller. For the unit with Auto-restart feature, when the power restores, the unit restarts automatically with all the previous settings preserved by the memory function.

Troubleshooting guide

Trouble	OPERATION(RUN) indicator or other indicators continue flashing.	The unit may stop operation or continue to run in a safety condition (depending on models). Waiting for about 10 minutes, the fault may be	
	If one of the following code appears on the display area :E1,E2,E3	recovered automatically, if not, disconnect the power and then connect it in again. If the problem still exists, disconnect the power and contact the nearest customer service center.	
	Fuse blows frequently or circuit breaker tripsfrequently.	Stop the air conditioner immediately disconnect the power and contact the nearest customer service center.	
	Other objects or water fall into the air conditioner.		
	Terrible odors are smelled or abnormal sounds are heard.		

Malfunctions	Cause	What should be done?
	Power cut	Wait for power to be restored.
Unit does not	Unit may have become Unplugged.	Check that plug is securely in wall receptacle.
start	Fuse may have blown.	Replace the fuse.
	Battery in Remote controller mayhave been exhausted.	Replace the battery.
	The time you have set with timeris incorrect.	Wait or cancel timer setting.
Unit not cooling or heating (Cooling/ heating models only) room very well while air flowing out from the air cond tioner	Inappropriate temperature setting.	Set temperature correctly. For detailed method please refer to Using remote controlsection.
	Air filter is blocked.	Clean the air filter.
	Air inlet or outlet of indoor oroutdoor unit has been blocked.	Clear obstructions away first, then restart the unit.
	Compressor 3 minutes protection has been activated.	Wait.

customer service center. Be sure to inform them of the detailed malfunctions and unit model number.

Notes: Do not attempt to repair the unit yourself. Always consult an authorized service provider.

