

AIRREX AIR CONDITIONER

USER'S MANUAL

HSC-2500 / HSC-3500

- ▶ Thank you for purchasing AIRREX AIR CONDITIONER. Please read this user's manual carefully before you operate this AIR CONDITIONER.
- ▶ It is recommended you to put this manual where you can find easily.
- ▶ It is obligatory that the user read "Notice for Safety" carefully before using, and should be aware of this notice whenever using this AIR CONDITIONER.
- ▶ This AIR CONDITIONER is designed to be used in your country only. If you would like to use it in another country you have to check if the electrical condition is same as that of your country.
- ▶ Warranty card is enveloped in this manual.
- ▶ The contents(features & specifications) in this manual are subject to be changed without notice.




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NOTICE FOR SAFETY

This is for protecting the user's safety, and preventing any property damage, please read carefully and follow the instruction on this manual.

- It is classified as "Warning", and "Caution" by the contents.


 **WARNING** : In case of misuse, it may cause a serious wounds or death.


 **CAUTION** : In case of misuse, it may cause a slight injury or property damage.


Meaning of symbol


-  Forbidden  Obligatory


WARNING


 Use AC 230V power supply only.
(otherwise, it may cause a fire or an electric shock.)


 Do not extend the power cord with connecting another cable in the middle.
(It may cause a fire or an electric shock.)


 Put a plug into the outlet tightly with Earth(-) only.
(It may cause an electric shock.)


 Put a plug into the outlet tightly after removing any dirt on the plug.
(It may cause emitting smoke or a fire by electrical short.)


 Do not use a damaged power cord or plug, and a loose outlet.
(It may cause short, fire, a shock.)


 Use the proper form of fuse.
(otherwise, it may cause malfunctioning or a fire.)


 Do not take out the plug with holding the cord or by the wet hands.
(It may cause a fire or an electric shock.)

 Do not fold the power cord hardly, or put a heavy material on it.
(It may be damaged on the covering material which might cause a fire, or an electric shock.)

 In case of cleaning you must take out the plug from the outlet.
(Otherwise, it may cause an electric shock.)

 It is dangerous to turn OFF this cooler by taking out the power plug.
(It may cause a malfunction or electrical shock. Please turn OFF using RUN/STOP button.)

 Do not place any electrical item or heavy material on top of cooler.
(It may cause malfunctioning or electrical shock, or if the heavy material is fallen user can be injured.)

 Do not use this cooler on the unstable places.
(Do not use this cooler on an inclined surface or a shaking support.)
(This cooler may fall down, which cause a fire or malfunction.)

- ♣ Place this manual noticeably near the cooler so that, if necessary, the user can always find it easily.

NOTICE FOR SAFETY

CAUTION



Do not put this cooler on unstable surface of ground such as inclined or bumpy.
(The cooler may not work properly.)



In case of storing this cooler, be sure that you store it in the dry places indoor instead of hot and humid environment.
(Otherwise, it gets rusty or goes into trouble.)



You must take out the plug from the outlet, if there is a flash of lightening or thunder or you don't use it for a long time.
(Otherwise, it is exposed to the danger of electrical shock, short circuit or a fire.)



Do not shower water to the cooler directly, nor use benzene, thinner, alcohol for cleaning.
(Otherwise, it is exposed to the danger of electrical shock, short circuit.)



Call your local after sales service agent in case the power cord is damaged.
(Otherwise, it is exposed to the danger of electrical shock, short circuit or a fire.)



If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or similarly qualified person in order to avoid a hazard.

TIPS BEFORE INSTALLATION....

1. MAKE SURE THE SAFETY IN THE PLACE WHERE YOU WISH TO USE THIS COOLER.

- ▶ The ground surface and surrounding should be plain and solid.
- ▶ You need to have sufficient space surrounding the cooler at least 50cm from the wall and the left & right side.
- ▶ After you fix the installation, lock the caster for avoiding unexpected movement.
- ▶ Don't tilt the unit over 2°

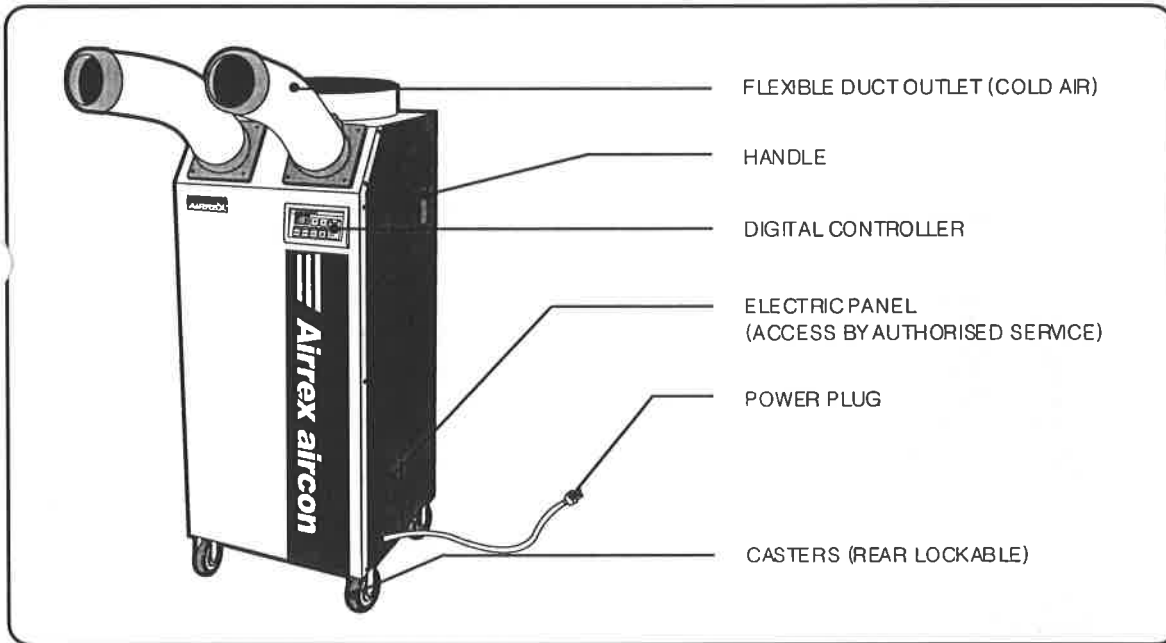
2. PREPARATION FOR HIGH EFFICIENCY.

- ▶ Use vertical exhaust for use in airtight place.
- ▶ Use where outlet of this unit is located close to a window or a door.
- ▶ Keeps outlet duct at the optimum distance of 2m or less

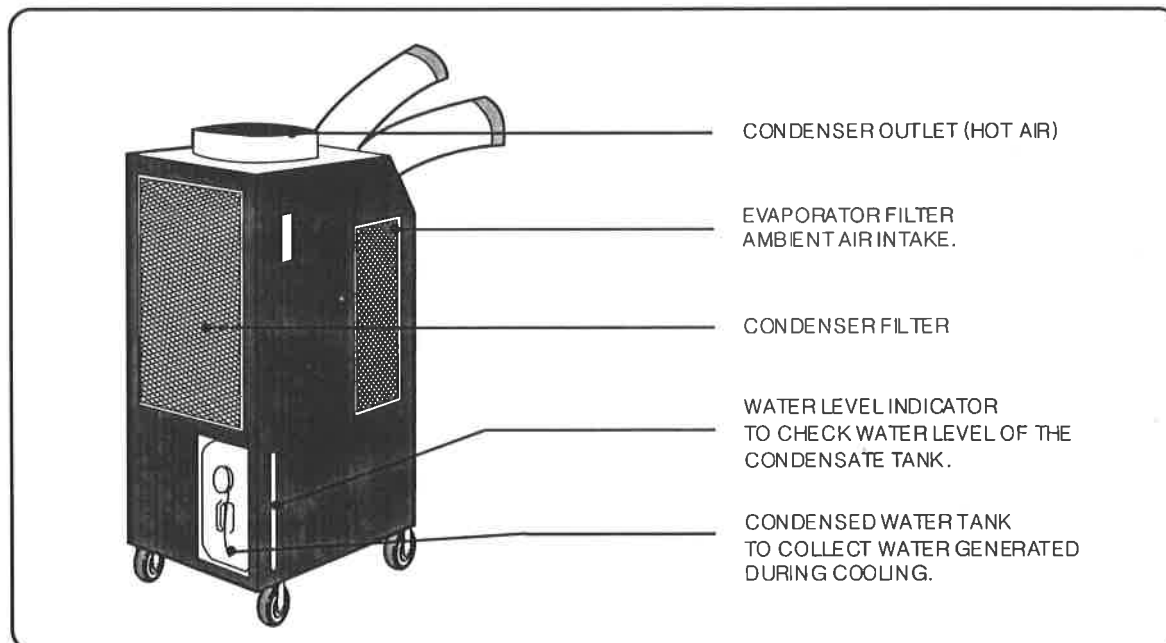
3. The proper electricity is 230V/50Hz. It will be applied and adjusted as per customer's request. You must supply power as per its requirement only once it is adjusted.

STRUCTURE & DESCRIPTION

FRONT VIEW

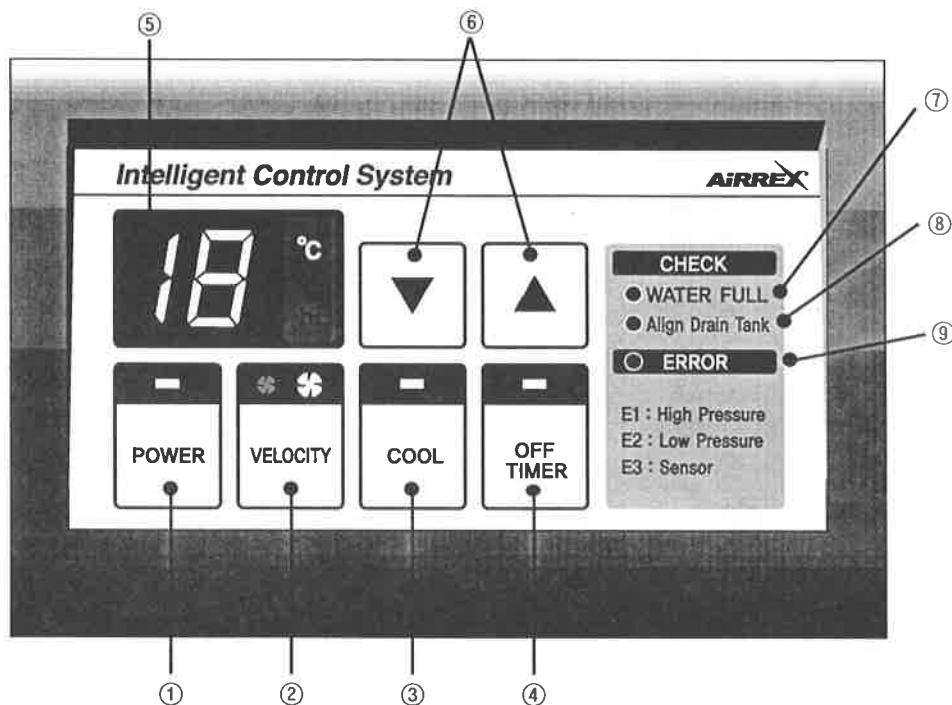


BACK VIEW



STRUCTURE & DESCRIPTION

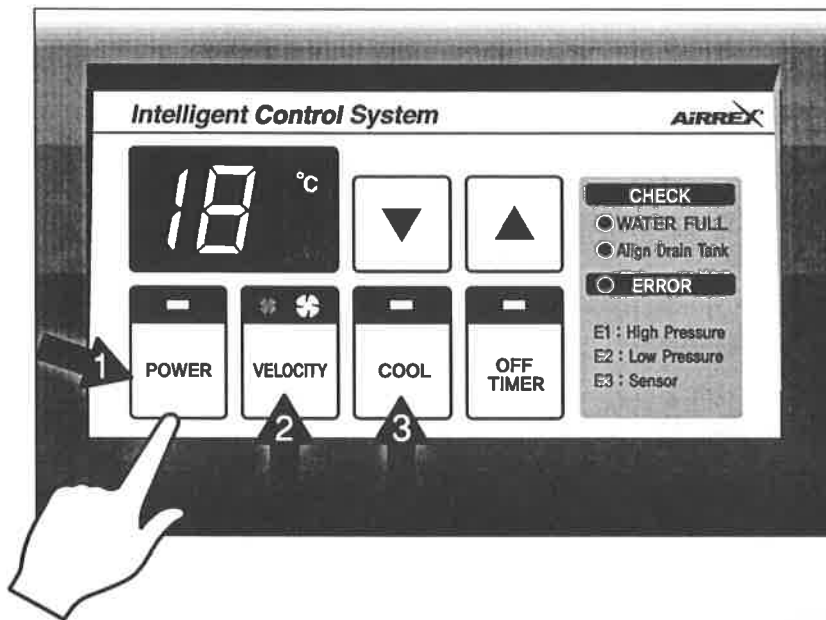
CONTROLLER



- ① POWER : Use to Power ON/OFF.
- ② VELOCITY : Controlling the two speed fan.
- ③ COOL : Use to select cooling.
- ④ OFF TIMER : User can set 0~24 hours. The time intervals are 30minutes up to 10 hours, and 1 hour for 10~24 hours
- ⑤ Display : Display current temperature and the setting temp and sleep time in case of setting them. When the user set the setting temp '°C' will be turned on, when the user set the sleep timer 'h' will be turned on. (LO : under the 0°C, HI : over the 50°C)
- ⑥ Down/Up : Controls temperature and sleep time up and down.
- ⑦ WATER FULL : Red light indicates 'Tank Full'. The compressor will cut out automatically. Empty tank to resume operation.
- ⑧ Align Drain Tank : The red light indicates the water tank is not in the correct position.
- ⑨ ERROR : Error signal (E1 : High Pressure, E2 : Low Pressure, E3 : Sensor)
 - CALL SERVICE CENTER -

HOW TO USE

RUNNING & STOP



1. START WITH PRESSING "POWER" SWITCH.
 - Cooler will be turned ON and automatically operated.
 - If you wish to stop the unit, press "POWER" switch one more time.
2. IF YOU WSH TO CHANGE THE VELOCITY OF BLOWER, PRESS THE "VELOCITY" BUTTON
3. IF YOU WSH TO STOP COOLING, BUT FAN RUNNING' PRESS "COOL" SWITCH. THEN THE UNIT OPERATES JUST BLOWING. AND PUSH "COOL" BUTTON ONE MORE TIME, THE UNIT START COOLING.
(Remember there is 3min delay time for compressor protecting)

HOW TO USE

TEMPERATURE CONTROL OPERATION



1. WHEN POWER IS ON, THE CURRENT TEMPERATURE IS DISPLAYED.



2. IF YOU PUSH THE UP, DOWN BUTTON, THE SETTING TEMPERATURE IS DISPLAYED AT FIRST. DEFAULT OF SETTING TEMPERATURE IS 10°C



3. AND IF YOU PUSH UP, DOWN BUTTON ONE MORE TIME, THE SETTING TEMPERATURE IS CHANGED.



4. AFTER CHANGING THE SETTING TEMPERATURE, THE DISPLAY OF SETTING VALUE IS FLICKING THREE TIMES.



5. AFTER FLICKERING OF SETTING TEMPERATURE, THE CURRENT TEMPERATURE IS DISPLAYED.

6. RANGE OF CURRENT & SETTING TEMPERATURE.

CURRENT TEMP.	SETTING TEMP.
LO, 1~49°C, HI	1~30°C

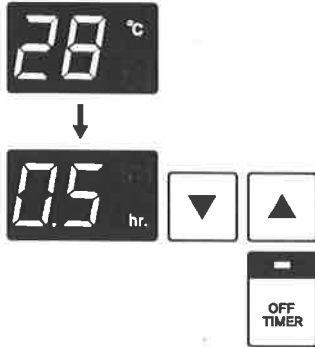
♣ COOLER OPERATION
 CURRENT TEMPERATURE > SETTING TEMPERATURE

♣ COOLER STOP
 CURRENT TEMPERATURE < SETTING TEMPERATURE

HOW TO USE

OFF TIMER

This function is making the cooler operation stop automatically after passing a setting time. You can set the time for 30min ~ 24hours in every 30min of interval.



1. DURING THE COOLER OPERATION, PRESS THE OFF TIMER BUTTON AND SET TIME BY PRESS (▲, ▼). EACH TIME YOU PRESS THESE BUTTON, THE SLEEP (OFF) TIME WILL BE CHANGED AS
 0.5 ⇒ 1.0 ⇒ 1.5 ⇒ ... ⇒ 9.5 ⇒ 10 ⇒ 11
 ⇒ 12 ⇒ ... ⇒ 24



OFF TIMER LAMP IS ON

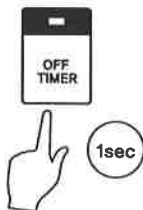
2. AFTER FINISHING TO SET TIME AND PRESS OFF TIMER BUTTON, IT COMES OUT FROM THE SLEEP (OFF) TIMER MODE. AND TIMER LAMP IS TURNED ON. WHICH MEANS SLEEP TIMER FUNCTION IS OPERATING.
 - In case of escaping from the sleep timer mode without pressing of timer button, the setting time will not be memorized and no lights On.
 - If no key pressed for 5 sec in the sleep timer mode, this mode will be terminated automatically.



AFTER 1hr

3. IF YOU PRESS THE SLEEP TIMER SWITCH DURING ITS OPERATION, THE REMAINING TIME WILL BE DISPLAYED.

[ex] If you press the sleep timer switch after 1hr from the setting sleep timer as 2hrs, the displayed time will be 1:00.



4. CANCELLING TIMER. PRESS 'OFF TIMER' FOR ONE SECOND. IT WILL THEN SWITCH OFF AUTOMATICALLY.

HOW TO USE

SELF-DIAGNOSIS FOR THE SAFETY DEVICE

By self-diagnosis function, in case of error automatically safety device which is equipped in the cooler is detected, and the detect result is displayed immediately to the display window. (If problem happen, display and flickering E1 / E2 / E3 / FU and LED is on.)



1. WATER FULL -- DISPLAY "FU".
 - When water is fully filled in the tank, "FU" is displayed and LED 'WATER FULL' is on.



2. Align Drain Tank.
 - When the water tank is not in the position, LED 'Align Drain Tank' is on.



3. HIGH PRESSURE.
 - When the pressure of compressor is high and high pressure switch is open, "E1" is displayed and LED 'ERROR' is on.



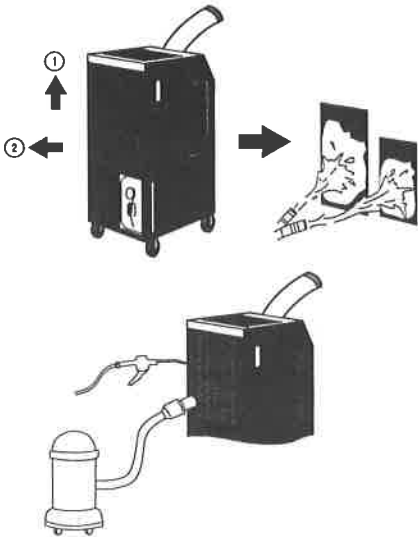
4. LOW PRESSURE.
 - When the temperature of evaporator is lower than -10°C , "E2" is displayed and LED 'ERROR' is on.



5. SENSOR PROBLEM.
 - When the thermistor is short or cut, "E3" is displayed and LED 'ERROR' is on.

CLEANING & MAINTENANCE

CLEANING AIR FILTER



1. To pull out the evaporator and condenser filter.
Please slide it up little (①), and pull it out (②).

2. Clean the filter with water or compressed air.

3. Clean evaporator and condenser with vacuum
cleaner or compressed air.

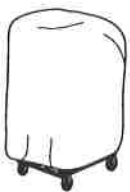
MAINTENANCE



1. Dry completely inside of the
unit by operating at fan mode
for 3 ~4 hours after cleaning.



2. Set operation switch at "OFF",
pull out power cord, and then
fix by winding. Leave it in the
proper place.



3. Keep under cover to prevent
damage from humidity and dust.








■ TROUBLESHOOTING

TROUBLE	CHECK	REMEDY
Not working	● power plug correctly connected?	● Connect plug correctly.
	● POWER button off?	● Turn POWER button on.
	● Fuse out	● Exchange fuse in switch board.
	● Breaker on switch board dropped?	● Check load capacity and turn on the breaker.
	● Too high ambient temperature? (Over 45°C)	● Use only below 45°C.
	● Filter blocked up with dust?	● Clean filter.
Poor cooling	● Dust in heat exchanger?	● Clean heat exchanger.
	● Obstacle against inlet side.	● Remove and allow 50cm clearance.
	● Too high ambient temperature? (Over 45°C)	● Use only below 45°C.

SPECIFICATIONS

MODEL		HSC-2500	HSC-3500
COOLING CAPACITY	BTU/h	16,900	25,000
	Watts	4,930	7,326
POWER SUPPLY		230Vac. , 50Hz 1Ph	
DIMENSION(WXDXH)	mm	490 X 590 X 1,300	
WEIGHT	kg	86	90
POWER CONSUMPTION	kw	2.15	2.6
CURRENT CONSUMPTION	A	9.8	13
REFRIGERANT(R407C)	g	890	1,200
AIR FILTER	ALUMINUM FILTER		
SAFETY DEVICE	- High Pressure Switch - Thermostat protector for compressor - Fan motor protection - Automatic full tank shut-off - Tank position Detector		
POWER CORD	DEVICE	PLUG	
	LENGTH(m)	3	
OPERATING CONDITIONS		25°C D.B 60% RH ~ 45°C D.B 40% RH	
HIGH PRESSURE	kgf/cm ²	26	
LOW PRESSURE	kgf/cm ²	5	
MAX. DUCT LENGTH	Per Cold Duct Hose(m)	UP TO 9	UP TO 12
	Hot Duct Hose(m)	OPTIONAL	
FUSE		250 Va.c. 5A (POWER BOX)	

ACCESSORY

ITEM				MODEL	DRAWING
				HSC-2500 / HSC-3500	
OUTLET	DUCT	Ø125	0.5m	○	<ul style="list-style-type: none"> · DUCT   · DUCT COVER  · DAMPER BASE  · DUCT Chamber  · Aluminum Filter  
			3m	○	
	Duct Cover			○	
	Damper Base			○	
	Aluminum Filter			○	
AIR EXHAUSTER	Chamber	Ø300	0.4m	○	
	Aluminum Filter			○	

WARRANTY CARD

This AIRREX AIR CONDITIONER gives you more reliable performance and comfortableness, and durability the more you use it, because it is produced under the strict quality assurance system including various inspection during production and after production and reliance test, etc. In case you encounter any problem, please contact the local service agent, or a distributor. If the problem is occurred due to the production failure, or natural malfunctioning, we will offer you free repair service under our warranty clause.

General

1. Warranty period is 12 months after purchasing date.
 – If the problem is occurred by the mistake or misuse of the customer, we charge a repair cost even if it is within warranty period.
2. This warranty card is valid within your country.
3. Please keep this warranty card for better service in case of trouble.
4. Please contact your local distributor or after sales service agent.
5. Please fill out this form after purchase.

DESCRIPTION	AIRREX AIR CONDITIONER		
MODEL	HSC-2500 / HSC-3500		
DATE OF PURCHASE		PRODUCT SERIAL NO.	
WARRANTY PERIOD	() Months	PRICE	U\$
DISTRIBUTOR	NAME OF COMPANY		
	TELEPHONE NO.		
CUSTOMER	NAME		
	ADDRESS		
	TELEPHONE NO.		

For Happy & Healthy life!
AIRREX®

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