Register your air conditioner

Model information can be found on the CE label.

Please register your product online at www.ecoair.org. For your future convenience, record the model information below.

MODEL NUMBER

SERIAL NUMBER

PURCHASE DATE
Congratulations!
You have purchased the very latest in room air conditioner technology. Your new EcoAir high efficiency room air conditioner will give you many years of dependable service. Many features have been built into your EcoAir air conditioner to assure quiet operation, the best circulation of cool, dry air, functional controls, and the most economical operation.

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Disposal
When using this air conditioner in the European countries, the follow information must be followed:

DISPOSAL: Do not dispose this product as unsorted waste.

It is prohibited to dispose of this appliance in domestic household waste. For disposal:
A) Contact your local council for disposal.
B) The manufacture will take back the old appliance for disposal when you replace with a new product.
C) Old products contain valuable resources, which should be recycled as scrap metal.

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.
BS Plug Wiring

Wiring Instructions: Should it be necessary to change the plug please note the wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL
BROWN – LIVE
GREEN AND YELLOW - EARTH

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK**.

2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED**.

3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or ☊ or coloured **GREEN** or **GREEN/YELLOW**.

4. Always ensure that the cord grip is positioned and fastened correctly.

If a **13A (BS 1363)** fused plug is used it must be fitted with a **13A** fuse. If in doubt consult a qualified electrician.

**Wiring for a 13 Amp Plug (BS1363)**

Please note. The Earth Terminal is marked with the letter **E** or ☊ Earth Symbol.
## SPECIFICATION

<table>
<thead>
<tr>
<th>Specification</th>
<th>ECO 8P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model no.</td>
<td>ECO 8P</td>
</tr>
<tr>
<td>Cooling capacity</td>
<td>8000 BTU/hr</td>
</tr>
<tr>
<td></td>
<td>2345 watts</td>
</tr>
<tr>
<td>Power/Ampere consumption for cooling</td>
<td>1130 W/ 4.6A</td>
</tr>
<tr>
<td>Air volume (H/M/L)</td>
<td>350X300X250 m³/h</td>
</tr>
<tr>
<td>Humidity removal capacity</td>
<td>0.75L/hour</td>
</tr>
<tr>
<td>Power supply</td>
<td>220-240V~. 50Hz</td>
</tr>
<tr>
<td>Compressor</td>
<td>rotary</td>
</tr>
<tr>
<td>Noise Level</td>
<td>56/54/52 dB(A)</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A (460g)</td>
</tr>
<tr>
<td>Fan speed</td>
<td>3</td>
</tr>
<tr>
<td>Timer</td>
<td>1~24 hours</td>
</tr>
<tr>
<td>Working temperature</td>
<td>Cooling: 16 ~ 30°C</td>
</tr>
<tr>
<td>Exhaust pipe</td>
<td>Ø 142x1500mm</td>
</tr>
<tr>
<td>Net Weight</td>
<td>24 kgs</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>28 kgs</td>
</tr>
<tr>
<td>Net Dimension</td>
<td>300x800x355 mm (WxHxD)</td>
</tr>
<tr>
<td>Gross Dimension</td>
<td>355x850x565 mm (WxHxD)</td>
</tr>
</tbody>
</table>
Under function of fan motor, indoor airflow changed into cooled air through evaporator then blew out, while the indoor airflow changed into heated air though condenser then blew out. There are 2 flues designed on structure of this unit: heated air is discharged from rear air outlet vent on back air conditioner while cooled air from front air outlet vent of the unit. After guide louver, gentle and steady cooled airflow is produced to reach needed cooling effect.
When only used as dehumidifier, remember to take off heat discharge pipe from unit and install it onto unit when the unit is used as air conditioner. Since partial indoor air will be heated as heat air and discharged to outside by discharge pipe after cycling then outdoor air will enter to maintain balance air pressure, thus the air conditioner will only lower temperature of partial regional air of indoor room instead of turning entire indoor air to a lower temperature.

**Usage Location**

1. Where room area is smaller than $15m^2$, and wall (or building) has well heat insulation effect. As shown in following figure, if unit is in shown location, the cooling effect will be better.

2. If room area is larger than $20m^2$, for example workshop or factory, the unit can only offer cooled air to partial area(as shown in following figure),and people in this area can enjoy better cooling effect.
STRUCTURE

Front

Rear

Remote controller box
Power cord
Filters
Upper air inlet grille
Air outlet vent
Lower air inlet grille
OPERATING METHODS

Location Requirements Of
the Unit

The temp. range of this unit is
16° C - 30°C

Unit Setup

Place the unit on horizontal floor when using and maintain a
distance for above 50cm from walls, surface of flammable
objects or other obstructions.

Power

Check before connecting power:
The normal running fluctuation range of voltage of the unit is
10% of value listed on nameplate. Too high
or too low of voltage will influence the unit.
It is better to adopt power lead with pickup current above 10A to
prevent sudden drop of voltage when the unit is running.
It is necessary to exchange broken power hose by special
power hose. When it is necessary to change power hose or
maintain, please contact the seller and have them repaired by
professional personnel.
Earth must be conducted reliably and should connect to special
earthing equipments in building to ensure well earth.
Do not replace fuse by steel or copper and capacity for fuse
should be proper. It is forbidden to fix power on blade or sharp
objects to prevent creepage leaded by mangled wire.
Circuitry must be installed and fixed by professional personnel
following the national wiring regulations. Creepage protect
switch with enough capacity and 10A solenoid heat tripping air
switch must be contained in circuitry. It is forbidden to connect
earth wire to water pipe or gas pipe, plug off power plug or cut
off power supply when the unit is not going to be used.
Functions and operation methods of control panel

Panel Control
Under ON status, after each pressing of the button on control panel, the air conditioner will give out a sound. Meanwhile, corresponding indicator on control panel will be bright. The display may be off during some mode

1. **ON/OFF**
Connect the power plug to the appropriate electrical socket outlet.
Press the ON/OFF button to turn the appliance ON.
Press the ON/OFF button again to turn the appliance OFF.

2. **“+”, “-” key**
Under cooling mode, press “+” or “-” button to increase or decrease set temperature by 1°C. Set temperature is range is 16°C ~30°C. Under auto, drying or fan mode, this button is invalid.

3. **MODE**
In the state of running, press the key to enter the mode of COOL→DRY→FAN→AUTO.

4. **“风扇” Fan Mode**
When working in FAN or COOL mode, the air conditioner can select 3 speeds using the remote control and the initial speed is high; when running in DRY, fan motor runs in Low speed.

5. **“干” Dry mode**
When the unit running in the dry mode, it can decrease the humidity of the room.

6. **“冷” Cool mode**
Under this mode, cooling mode indicator is lit. Temperature setting range is 16°C~30°C.

7. **“水满” Water full**
Lights up when tank is full, drain the condensate from the unit for the unit to function again.
Ambient temperature

Ambient Temperature range of the unit is 16°C - 30 °C.

Cool Mode

1. In the COOLING Mode the appliance must be placed close to a window or opening so that the warm exhaust air can be ducted outside through the window.

2. Press ON / OFF to turn on unit, press MODE to select cool mode, which is indicated with the “❄️” light on and unit runs in cooling mode.

3. Press the + or – button on the unit or the remote to set the temperature between 16°C - 30 °C.

4. Press SPEED button on the remote to select proper fan speed (High/Medium/Low).

Compressor delay protection

Compressor switches OFF on changing modes before switching ON. Wait approximately 3 minutes and for compressor to restart. This prevents overheating of the compressor and possible circuit breaker tripping. The fan will continue to run during this time.

Note

When in drying mode, indoor fan motor runs in low speed, compressor runs continuously, set temperature will not be displayed and is not adjustable. Exhaust hose does not need.

FAN

Press “ON/OFF” to turn on unit and select FAN by SPEED, indoor fan motor can run in 3 speeds of High, Medium and low, set temperature will not be displayed and is not adjustable, High, Medium or low symbol will be displayed in display window according to speed of indoor fan.
Operation of wireless remote control
Names and functions of wireless remote control
Note: Be sure that there are no obstructions between receiver and remote controller; do not drop or throw the remote control; do not let any liquid in the remote control or place the remote control directly under the sunlight or any place where is very hot.

Remote Control

**SWING**

**SWING button**
Press this key to activate or deactivate the swing. (This Function is not available in this model)

**FAN**

**FAN button**
By pressing this key, you may select AUTO, FAN 1, FAN 2 or FAN 3 mode. This lets the speed of the fan be set. AUTO is default setting. Only LOW fan speed can be set under DRY mode.

**SLEEP**

**SLEEP button**
On pressing this button, Sleep On and Sleep Off can be selected.
After powered on, Sleep Off is defaulted. In this mode the selected temperature will increase by 1 °C every 1 hour for 2 hours and the temperature totally increased by 2°C and will continue in this mode until the temperature is changed or the unit is switched OFF.
Note: This feature is unavailable under FAN or DRY modes.
Remote Control

+ button
Can be used to set Temperature / Timer functions
Pressing this button will increase the temperature in the cool mode. On pressing and holding this button for more than 2 seconds, the units will increase rapidly until the button is released. On releasing the button the setting is applied after a beeping sound is produced. In Auto mode, the temperature cannot be set, but pressing this button will make a beeping sound. Operating temperature range is 16°C - 30°C.

- button
Can be used to set Temperature / Timer functions
Pressing this button will decrease the temperature in the cool mode. On pressing and holding this button for more than 2 seconds, the units will decrease rapidly until the button is released. On releasing the button the setting is applied after a beeping sound is produced. In Auto mode, the temperature cannot be set, but pressing this button will make a beeping sound. Operating temperature range is 16°C - 30°C.

Timer

**TIMER button**
- You can set both pre-set stop and delayed start while unit is in ON position or OFF position.

When unit is in ON position, first press TIMER button to go to Pre-set stop setting, then “T-OFF” light will illuminate, tap or hold the + button or the - button to change delay stop timer at 0.5 hour increments up to 24 hours. Then press the TIMER button to confirm the setting (the control will confirm the setting automatically after 5 seconds) and go to delay start setting.

Use the same way as above to set the delay start timing. If you don’t need to set delay start, press the TIMER button again to exit. After 2 seconds, the control will automatically change the display back to previous temperature display. If you want to check remain timing, press the TIMER button. The delay start operation automatically selects mode, temperature and fan speed the same as last operation you set.

When unit is in OFF position, press TIMER button will first go to delay start setting, then “T-ON” light will illuminate, set the delay start and delay stop timing the same way as above.

To cancel the timer setting, simply tap Timer button to cancel and the timer setting will be cancelled. This can be confirmed by noticing that the T-ON and T-OFF arrow will disappear.
Guide for operation - General operation
1. After powered on, press ON/OFF button, the unit will start to run.
2. Press MODE button, select desired running mode,
3. Pressing + or - button, to set the desired temperature. (It is not possible to set the temp. at AUTO mode.)
4. Pressing FAN button, set fan speed, can select AUTO, FAN 1, FAN 2 or FAN 3.
5. Pressing SWING button, to select the swing. (This function is unavailable for this model).

Guide for operation - Optional operation
1. Press SLEEP button, to set the unit to sleep mode.
2. This function can be cancelled on pressing the sleep button again when the unit is on sleep mode.
2. Press TIMER button, can set the scheduled timer on or timer off. (Please refer to the operation of the wireless remote on instructions to use the timer function)

Changing Batteries
1. Place the remote face down on a flat surface
2. Unclip the battery cover and remove the cover.
3. Take out the old batteries. (As show in figure)
4. Insert two new AAA1.5V dry batteries, and pay attention to the polarity. (As show in figure)
4. Attach the back cover of wireless remote control.
★ NOTE:
● When changing the batteries, do not use the old or different batteries, it may cause malfunction of the wireless remote control.
● If the wireless remote is not used for a long time, please take the batteries out to check for leakage, do not let the leakage liquid damage the wireless remote control.
● The remote should be in the unit’s operating range and directed towards the sensor on the unit.
● It should be placed at where is 1m away from the TV set or stereo sound sets.
● If the wireless remote control can not operate normally, please take them out, after 30s later and reinsert, if they cannot normally run, please change them.
DRAINAGE METHOD

During the process of cooling or drying, excess condensation will occur inside the unit, although the water will be evaporated by the coil for maximum efficiency. In very warm temperature or high humidity condition, it will require water drainage. When the internal water tank is full the buzzer will beep 8 times as a warning, "water full indicator will light up on the panel with H8 displayed on LED display window and the unit will stop working. For the unit to resume operation water should be drained out of the unit from the drainage hose. Remove the drain hose from the clamp and release the excess water at downward slope by removing the rubber plug. The unit will resume running when the water is completely drained from the unit out of the hose or the drain port.

INSTALLATION OF DRAINAGE HOSE

Note: The drainage hose must be installed before operating the unit otherwise a blockage may occur affecting the normal operation of the unit.

- Drain Hose included:

- Installation of Drain Hose

1. Remove drain cap (B) from drain port (A).
2. Attach the drain hose clamp (C) to the back panel of the air conditioner near the drain port (A) with the screw provided.

3. Attach one end of the drain hose (D) to the drain port (A) with the clip (E). Make sure the hose is fully inserted into the drain port (A).

4. Insert the rubber plug (F) into the other end of the drain hose (D) and secure with clip (E).

5. Snap the free end of the drain hose (D) into the drain hose clamp (C).
Installation of the Exhaust Hose and Adapter

1. Position the Air conditioner to its required location. See “Location Requirements.”
2. Insert one end of the flexible exhaust hose into the exhaust adapter.
3. Twist clockwise to lock hose into place.
4. Insert the other end of the flexible exhaust hose into the window exhaust adapter.
5. Twist clockwise to lock hose into place.

- Length of the exhaust pipe should be ranging from 500mm-1500mm. It is recommended to use it with shortest length.
- When installing the exhaust pipe, it should be as straight as possible. Don't extend the pipe or connect it with other exhaust pipe as it may cause damage to the unit.

Correct installation is as shown in figure (When installing it on wall, position of the hole should be about 40cm - 130cm from the floor).
If the pipe are to be bent, please install it by following the requirements shown in the picture below.

An example of an improper installation is shown in following figure (If the pipe is bent too much, it would easily cause malfunction.)
Mobile AC
There are wheels at bottom of mobile air conditioner that enable the unit moves among rooms conveniently according to need.

Warning
Plug off power plug from socket and cut off power before any maintenance to prevent creepage.

Clean air filter
If too much dust is deposed on the filter, performance of air conditioner will reduce, thus it is better to clean filter at least once every 2 weeks.

Note:
Disassembly
- From these two direction to take out filters.

Wash
- Clean filter individually. When cleaning, wash the filter by soaking it in warm soap water then dry it.

Clean AC
Please soak the cloth in lukewarm water (or Soap water or water with proper cleaner) and wipe the dirty part on unit slightly after the cloth is wrung. Don’t clean the unit by gasoline, diesel oil or other flammable liquids.
Pull out the power plug before cleaning.
If a malfunction occurs, please check the following before maintenance:

<table>
<thead>
<tr>
<th>Troubles</th>
<th>Possible Causes</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>The air conditioner doesn't start.</td>
<td>The power supply is not connected well. The power plug is not inserted tightly. There is the malfunction of power plug or socket. The fuse is broken.</td>
<td>1. Insert the power plug tightly. 2. Replace the power plug or socket. 3. Have an electrician replace the fuse.</td>
</tr>
<tr>
<td>The LCD displays the number of time, but it doesn't work.</td>
<td>Is the TIMER ON in operation?</td>
<td>Cancel the &quot;SET TIMER&quot; operation or to wait the auto running.</td>
</tr>
<tr>
<td>Although it was set to COOL mode, there is no cool air.</td>
<td>1. The room temp is lower than the set temp. 2. The evaporator frosts.</td>
<td>1. This is the normal phenomenon. 2. Unit is running in defrosting operation, it will resume running in original operation after defrosting.</td>
</tr>
<tr>
<td>Although it was set the DRY mode, there is no cool wind.</td>
<td>1. The evaporator frosts.</td>
<td>1. Unit is running in defrosting operation, it will resume running in original operation after defrosting.</td>
</tr>
<tr>
<td>The LCD displays &quot;¢ &quot; .</td>
<td>1. Low voltage over current protection.</td>
<td>1. Cut off power supply, after 10 minutes, turn on the unit, if &quot;¢ &quot; still be displays, please contact your dealer for technical advice.</td>
</tr>
<tr>
<td>The LCD displays &quot;°F &quot; .</td>
<td>The water tank gets full.</td>
<td>1. Check the drainage hose is installed correctly 2. Check unit is on an even level surface. 3. Drain excess water via the drainage hose at a downward slope with no sharp bends.</td>
</tr>
</tbody>
</table>
SAFE NOTE AND NOTICE

Location
- Don't place the unit in narrow location. Ensure better ventilation for unit to prevent malfunction occurs.
- Don't place the unit in direct sunlight as it may reduce of effect of cooling.
- The unit should be at least 50cm away from surface of flammable thing.
- Don't soak the unit or operate it in place where is easy to get wet to prevent creepage.
- Don't operate the unit in following location for malfunction may be led:
  *Gas place  *Fire *where is easy to get oil.

Others:
Consider safe problem to following people.
1) Children and patients
2) Sick people or who cannot express himself or herself
3) Those who are exhausted, badly drunk or taken lot of soporific.
- Don't climb on the unit or place something on it for drop may occur and leading malfunction.
- Don't let wind blows to human directly for long time for it is not good for health.
- The unit should leave TV for at least lm to prevent disturbance of electromagnetic wave.
- Don't block air inlet or outlet vent for it would lead malfunction.
- Don't insert finger or stick etc. into air outlet vent; take special care to children to prevent accidence.
- It is forbidden to slope or turn down air conditioner. Take off power plug immediately if abnormal circumstance occurs and contact the authorized seller for check and repair.
- Don't sprinkle and shower unit by insecticide for it will lead deformation or breakage
- If your air conditioner has problems on quality or others, please contact local seller.

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.
**FAULT CHECK LIST**

The air conditioner does not run
- Is the air conditioner plugged in?
- Is there a power failure?
- Is the 'WATER FULL' indicator flashing?
- Is the room temperature below the set temperature?

The machine seems to do little
- Is there direct sunshine? (Please put down the curtain.)
- Are too many windows or doors open?
- Are there too many people in the room?
- Is there something in the room producing lots of heat?

The machine seems to do nothing.
- Is the filter dusty, contaminated?
- Is the air intake or output blocked up?
- Is the room temperature below your selected temperature?

Too noisy
- Is the machine positioned unevenly so as to create vibration?
- Is the floor underneath the machine uneven?

The compressor doesn’t run.
- Is so, it is possible the overheat protection of the compressor is on. Just wait for the temperature to drop.

☆ **Never try to repair or dismantle the unit yourself**
ONE (1) YEAR LIMITED WARRANTY
SAVE THIS WARRANTY INFORMATION

EcoAir guarantees this product free from defects in materials and workmanship for a period of one (1) year from the date of purchase, limited to parts only.

Faults arising from a faulty installation is specifically excluded.

This unit must be operated under conditions as recommended, at voltages indicated on the unit. Any attempts made to service or modify the unit by unqualified technician, will render this WARRANTY VOID. The actual product may differ slightly from the illustration. This warranty is in addition to, and does not affect, your statutory rights.

For after sales needs, please visit www.ecoair.org/service or email technical@ecoair.org or contact 0845 388 0007

We recommend that you note the details of your purchase below and retain your original proof of purchase receipt with this manual. Keep these documents safe in the event of a warranty claim.

Date of purchase: ________________________________

Purchased from (Dealer Name): ________________________________

Retailer name: ________________________________

Model number: ________________________________

Serial number: ________________________________

Date of installation: ________________________________