

# WINDOW ROOM AIR CONDITIONER OWNER'S MANUAL

## SAFETY PRECAUTIONS

Please observe the following safety precautions when using your air conditioner.

Failure or negligence in observing these safety precautions could cause fire, electrical shock or personal injury.

### PRECAUTIONS DURING INSTALLATION



WARNING

Please ask your sales agent or qualified technician for the installation of your unit. Water leakage, short circuit or fire may occur if you install the unit yourself.



CAUTION

- Please use earth line (ground the unit properly). Do not place the earth line near water or gas pipes, lightning-conductor, or the earth line of telephone. Improper grounding can cause electric shock. A circuit breaker should be installed depending on the mounting site of the unit. Without a circuit breaker, the danger of electric shock exists.
- Do not install near a location where there is flammable gas. The unit may catch fire if flammable gas leaks around it.

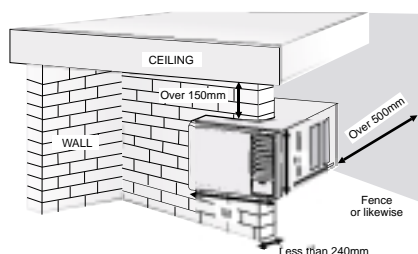
### PRECAUTIONS DURING OPERATION



WARNING

- Avoid an extended period of direct air flow. It can lead to health problems.
- Do not modify the length of the power cord or use an extension cord. It can cause electrical shock or fire.
- Do not attempt to operate the unit with wet hands, this can cause fatal accident.
- Do not turn on the unit by inserting the power cord.
- Do not switch off the unit by pulling out the power cord.
- Please switch off the unit and turn off the circuit breaker during cleaning, as the high speed fan inside the unit may cause danger.
- Turn off the circuit breaker if the unit is not operated for a long period.
- Do not splash or direct water to the body of the unit when cleaning it as this may cause short circuit.
- Do not block the air intake and outlet vanes, cooling performance will be affected.

## AIR CONDITIONER INSTALLATION



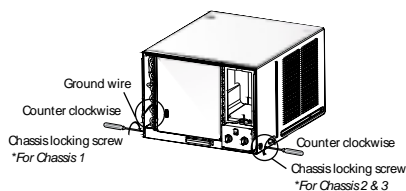
### Dimensions (Clearances)

- ! There should not be any obstacle surrounding the unit.
- ! Prepare an installation hole slightly bigger than the outer wrapper size.

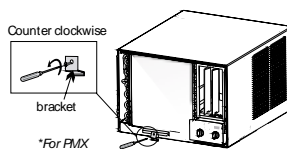
	CAPACITY		W (Width, mm)	H (Height, mm)
	kJ/h	BTU/h		
Chassis 1	5,300~8,250	5,025~7,800	476	333
Chassis 2	5,300~9,750	5,025~9,200	476	333
Chassis 3	11,100~13,500	10,700~12,800	566	378
PMX/CSX	19,600~24,000	18,000~22,000	665	431

### 1 Remove the chassis locking screw

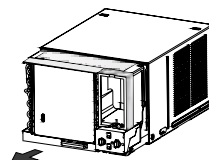
Unscrew the chassis lock from the side of the outer wrapper. Disconnect the ground wire from the front of the outer wrapper.



Unscrew and remove the base panel locking bracket from the front of outer wrapper.

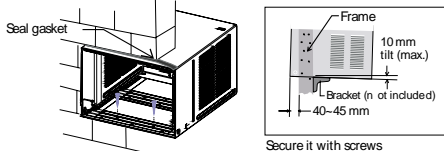


### 2 Slide the chassis out from the outer wrapper

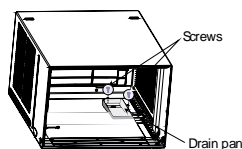


### ③ Fix the outer wrapper to the frame.

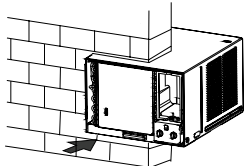
Place the wrapper at the hole and fix with the appropriate screws and seal gasket. Purchase from T otaline if not supplied with the unit.



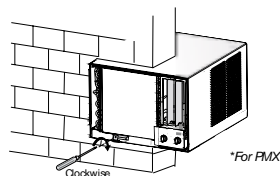
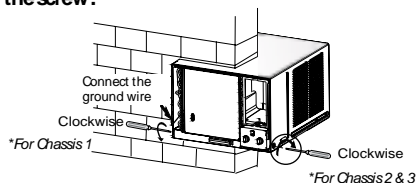
### ④ Inst all the drain p an at the right corner of the outer wrapper .



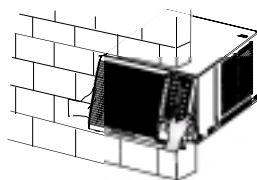
### ⑤ Slide the chassis back into the outer wrapper



### ⑥ Lock the chassis to the outer wrapper reusing the screw .



### ⑦ Attach the front grille to the outer wrapper



## TR OUBLESHOO TING GUIDE

PROBLEM		POSSIBLE CAUSE	SOLUTION
Unit does not st art		1. Blown fuse 2. Circuit breaker tripped 3. Unit cord unplugged 4. Supply volt age too low .	1. Replace only once. 2. Reset only once . 3. Replug into wall recept acle. 4. Consult electrician.
Unit does not cool properly		1. Air filter dirty 2. Improper thermostat at setting. 3. Unit on dry mode. 4. Unit on sleep mode. 5. Check if the air conditioner is exposed to sunlight.	1. Clean the air filter . 2. Reset to desired temperature setting. 3. Press cool button. 4. Press sleep button. 5. Provide an awning.
Fan motor does not run		1. Check whether fan hitting cowlng or foreign material. 2. Check fan motor bearing.	1. Adjust fan position or remove the foreign material. 2. Replace fan motor .
Ice or frost forms on indoor coil		1. Low out side temperature. 2. Air filter dirty. 3. Check system for leak. 4. Check thermostat.	1. Operate the fan without cooling until the frost disappears. 2. Clean the air filter . 3. Rep air and recharge. 4. Replace thermostat if defective.
Water dripping into the room		1. Outer wrapper not tilted properly on the out side. 2. Drain hole clogged.	1. Tilt the outer wrapper by maximum of 10mm. 2. Clean drain hole.
Control Panel Error Code (For electronic model only)	E5	Coil thermistor problem	Check coil thermistor
	E4	Room thermistor problem	Check room thermistor
	E3	Unrecoverable loss of E2RAM dat a	Shut down the unit and restart.
	E2	Loss or corruption of stored dat a	Using remote control, go to Cool mode and shut down the system, & then restart.
	E1	Code validation check fail	Shut down the unit and rest art
	FL	Filter check warning	Press the 'mode' and " √(down) buttons simult aneously for 3-5 sec.

*Worry about after sales service?  
Here is the nationwide list of Concepcion-Carrier Regional Offices  
when you need it, where you need it...*

**TO REGISTER YOUR UNIT PLEASE CALL US, JUST DIAL**

**863-5555 - GMA HOTLINE**

**TOLL FREE HOTLINE - PROVINCIAL**

**1 800-10-863555 - PLDT**

**1 800-3-863555 - DIGITEL**

**or TEXT US @**

**0917 843-5555 SMART**

**0918 917-5555 GLOBE**

*CONCEPCION-CARRIER CUST*

*OMER CARE*

For Provincial areas, just contact our Regional Offices/Totaline stores

**DAGUPAN REGIONAL OFFICE**

Star Bldg. Arellano St., Dagupan City  
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Fax No.: (075) 515-7899  
(075) 522-9555

**CEBU REGIONAL OFFICE**

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Mandaue City  
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Fax No.: (032) 344-7132

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(082) 222-6615  
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Fax No.: (033) 335-0687

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MMCN Bldg. Brgy. Panganiban Drive  
Concepcion, Naga City  
Tel. No.: (054) 473-3144  
Fax No.: (054) 473-3149

**CAGAYAN DE ORO REGIONAL OFFICE**

Cor. Yacapin & Capistrano St.,  
Cagayan De Oro City  
Tel. No.: (088) 231-2152  
Fax No.: (088) 856-8587  
(08822) 754-454



**CONCEPCION-CARRIER**  
**AIR CONDITIONING**

## WARRANTY CERTIFICATE



### PRODUCT WARRANTY

#### *Certificate*

#### ONE YEAR WARRANTY ON PARTS & LABOR

Concepcion-Carrier Airconditioning Co., warrants this Room Air Conditioner to the original purchaser/user to be free from defects in material and workmanship. We shall, within one year from the date of purchase, repair the unit at no cost to the original purchaser/user using the original parts or their equivalent subject to the warranty exclusions.

#### WARRANTY EXCLUSIONS

- Y Unit subjected to misuse, abuse, neglect, accident, alteration, cleaning or servicing by non-CCAC accredited service centers.
- Y Unit installed on harsh environment e.g. sea going vessel, port area, power plant, chemical laboratories, kitchen, etc.
- Y Abnormal voltage conditions i.e. unstable and/or fluctuating voltage.
- Y Lack of proper maintenance i.e. regular inspection and cleaning of air filters & cooling coils (for non-residential applications).
- Y Units not rendered for cleaning once every six months by authorized service center during the duration of warranty period.
- Y Improper unit installation i.e. obstructed discharge and fresh air intake, under capacity etc.
- Y All direct, indirect or consequential injury, loss or damage arising out of the use or inability to use the product.
- Y Force majeure, Acts of God and all other fortuitous events.
- Y Units not registered within one (1) year from the date of purchase.

#### FOUR YEAR LIMITED COMPRESSOR WARRANTY EXTENSION

The compressor (part only, excluding unit pull-out and delivery charges, accessories, labor and expandable material charges) shall be covered by a four (4) year warranty extension subject to the warranty exclusions. No other warranties shall apply.

CONCEPCION-CARRIER AIRCONDITIONING CO.  
Km. 20 East Service Road, South Superhighway  
Alabang, Muntinlupa City

MODEL: \_\_\_\_\_

SERIAL NO. \_\_\_\_\_

(CUST OMER'S COPY)

NOTE: To register product warranty, call Customer Care at 863-5555 or visit our website: [www.carrier.com.ph](http://www.carrier.com.ph) or fill up and detach Warranty Registration Card and mail. Registration must be done within ten (10) days from the date of purchase.

Please affix your proof of purchase here for future reference.



CONCEPCION-CARRIER  
AIR CONDITIONING

### WARRANTY REGISTRATION

OWNER: \_\_\_\_\_

MODEL: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

SERIAL NO.: \_\_\_\_\_

TEL NO.: \_\_\_\_\_

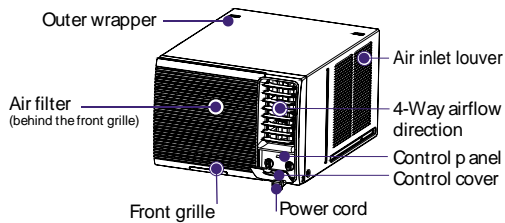
E-MAIL: \_\_\_\_\_

DEALER/BRANCH: \_\_\_\_\_

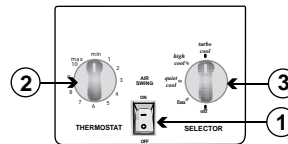
PURCHASE DATE: \_\_\_\_\_

## OPERATION PROCEDURE

### STANDARD MODEL



Main Unit



Control Panel

#### 1 Air Swing Switch

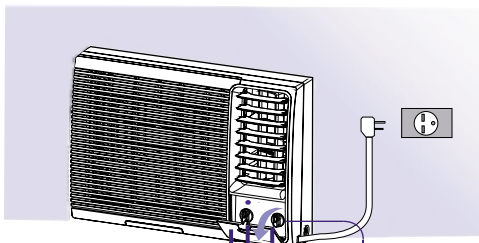
- ON Air swing is in operation. (Cool mode only)
- OFF Stop the operation of air swing.

#### 2 Thermostat Control

Automatically controls the room temperature when set to desired temperature. Turn the knob clockwise for cooler temperature and counterclockwise for warmer temperature settings.

#### 3 Selector Control

- OFF - completely stops fan and cooling operation.
- FAN - provides air at moderate velocity without cooling operation.
- QUIET COOL - provides cooling at minimum air velocity, maximum dehumidification and lowest sound level. This setting is recommended for night time use.
- HIGH COOL - provides cooling at moderate air velocity. This is preferred during mid mornings and early evenings when outdoor temperatures are likely to be lower.
- TURBO COOL - provides cooling at maximum air velocity. This setting is ideal for quick lowering of room temperature, but it is not normally required once the room is cooled.



Open the control panel door.

- For Initial Use**  
Make sure the selector switch is set to "OFF" position and then plug the unit.

#### Switch to desired position.

- For normal air - fan
- For cool air (low fan) - *quiet cool*
- For cool air (medium fan) - *high cool*
- For cool air (high fan) - *turbo cool*

**Set the thermostat to your desired setting.**  
Turn clockwise for lower temperature.  
Turn counterclockwise for higher temperature.

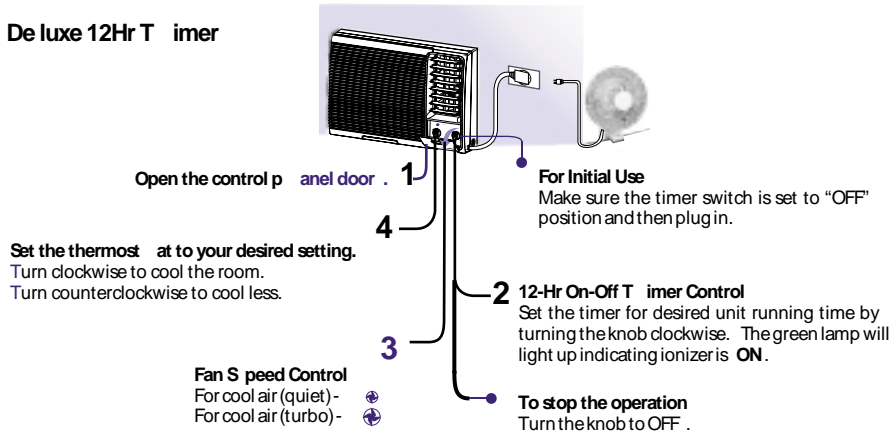
- To stop the operation**  
Turn the knob to "OFF".

- To resume cooling operation**  
Repeat step 2 after 3 minutes from stopping the unit.

## OPERATION PROCEDURE

### DE LUXE MODEL

#### De luxe 12Hr Timer

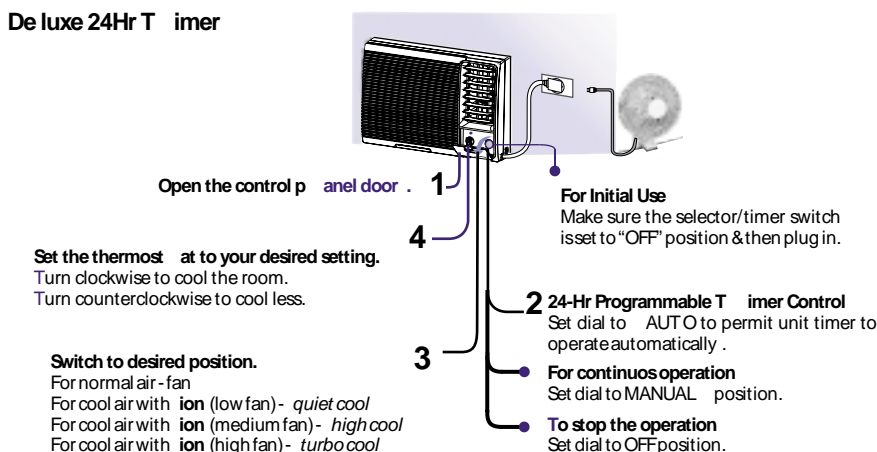


#### FAN PLUG OPERATION (Philippine Market only)

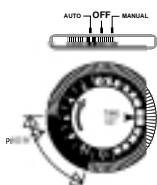
Plug the electric fan into the built-in receptacle outlet on the unit power cord and set the electric fan on your desired fan speed setting. Follow steps 2,3, & 4 for cooling operation.

**For example:** You want your unit to operate and turn off automatically after 4 hours. Turn the timer knob clockwise and set the indicator @4. Unit cools for these hours and goes off automatically after 4 hours. The electric fan will turn "on" and will continue to ventilate while maintaining comfort level inside the room.  
Note: Electric fan will not operate when timer switch is set to MANUAL ON.

#### De luxe 24Hr Timer



#### FAN PLUG OPERATION (Philippine Market only)

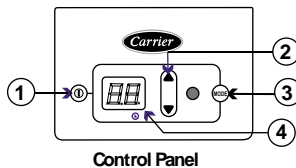
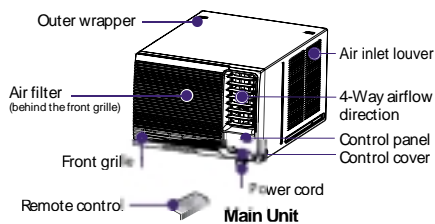


Plug the electric fan into the built-in receptacle outlet on the unit power cord and set the electric fan on your desired fan speed setting. Follow steps 2,3, & 4 for cooling operation.

**For example:** You are leaving for work at 6:00 am. Make sure timer dial is at day time position 6, timer switch is on AUTO, thermostat and cool mode are in desired positions. You expect to be home @7:00 pm and you want room to be cool. You expect to retire at 12:00 am. To set unit to turn "on" one hour before you arrive home and turn "off" one hour before you retire, slide pins on shaded dial at positions 6,7,8,9,10,11. Unit cools for these hours and goes off @11:00 pm. The electric fan will then turn "on" and continue to ventilate the air conditioned room when the time unit's operation shutdown at 11:00 pm (see illustration).

## OPERATION PROCEDURE

### REMOTE MODEL



#### 1 Power Button

If you press this button, the unit will begin operation. Press the button again, and operation stops. (You can hear a receiving beep.)

#### 2 Temperature Setting Buttons

If you set the desired room temperature, then the unit will maintain the room temperature at the set temperature.

#### 3 Operation Mode Selecting Button

Press this button to select the desired mode.

In **COOL** mode, the unit will run at normal cooling mode.

In **FAN** mode, only fan will operate at the selected fan speed and circulate the room air.

In **DRY** mode, fan speed goes to low and dehumidification takes place.

In **AUTO** mode, fan speed will be automatically controlled by the microcomputer of the unit.

#### 4 Timer Light Indicator

Indicates that the Timer function is ON.

### Remote Model

#### Operating the Unit through the Remote Control

To turn the unit on or off, press the Power Button.

(Note: The equipment sounds a "beep" for each activated function)

**Fan Speed**  
To adjust the air speed, press the Fan Speed selection button. The speed can be selected between one of the 3 levels.

**Temp**  
For increasing or decreasing the room temperature, press the Temperature buttons (+) or (-), as necessary. (Note: The temperature adjustment varies from 18 to 29°C, and upon reaching the maximum or the minimum, the unit sounds 2 beeps.)

**Cool**  
To provide cooling, press the Cool function button. When this function is activated, a letter C lights up at the control panel display.

**Auto**  
For the unit to adjust according to the room temperature variations, press the Auto function button. This function also controls the fan speed.

**Dry**  
To eliminate the room air moisture, press the Dry function button. The unit will operate always in low cooling.

**Fan**  
To provide air at certain fan speed without cooling, press the Fan button.

**Sleep**  
To have more comfort while sleeping, press the Sleep function button before going to sleep. This function adjusts gradually the temperature, avoiding the excessive cold or heat due to the body metabolism deceleration.

**Turbo**  
To quickly cool the room, press the Turbo function button. This will temporarily set the Fan speed to high. When this function is activated, the letter T lights up at the panel display. The turbo will be turned off when the selected temperature is reached.

For programming the unit to turn off after a certain time (from 1 to 12 hours), press the Timer button. When this is activated, the corresponding LED remains turned on at the panel.

Note: The unit display will be turned off 5 minutes after the function activation, while the Timer indicator remains on.

**Temp**  
To adjust the turning off time, press the Adjust buttons (+) or (-) until the desired time is reached. These buttons adjust the time in 1 hour interval, from 1 to 12 hours.  
Note: To cancel this function press the Timer button again, and adjust the time to 0.

#### Operating the Unit through the Control Panel

##### Select Functions

F - Fan	C - Cooling
D - Dry/Dehumidification	A - Auto (Automatic)

Press once "Mode" button and programmed function will appear at the display, then press "△" or "▽" buttons until the desired function is reached. Release the button and the unit assumes this new programming.

To alter the fan speed, press "Mode" button twice. The display will show the programmed speed F1, F2, or F3. Then press "△" or "▽" buttons until the desired speed is reached. Release button and the unit will assume this new programming.

To change °F to °C or vice versa, press "Mode" and "△" button simultaneously for 3-5 seconds.

#### FAN PLUG OPERATION

1. Plug the "Electric Fan" into the built-in receptacle outlet on the air conditioner service cord.
2. Set the controller consistent to the comfort level you desired.
3. Press the timer button on the remote controller to set the desired hour settings.

**Example** : You want your air conditioner to turn on from 9:00 P.M. to 2:59 A.M. and turn off at 3:00 A.M. Press the power button to start the air conditioner. Set the controller consistent to the desired temperature setting. Press the timer on the remote controller and then press the (-) button or (+) button to adjust the time setting to 6 hours. Unit cools for those hours and goes off at 3:00 A.M. The "Electric Fan" (except for those controlled by a wireless remote control) will then turn-on and continue to ventilate the air conditioned room.

#### NOTES

**Heat** - this button can function only for units that are configured as "heat pump".

## CARE AND MAINTENANCE

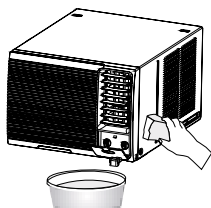


### CAUTION

Always turn off the air conditioner and the main power supply before unplugging the power cord to clean the unit.

### Cleaning the unit.

Clean the outer wrapper, front grille with a mild soap or detergent and lukewarm water.

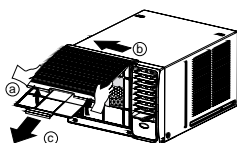


### Cleaning the air filter.

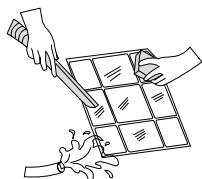
If the air filter is clogged with dust, the air flow volume will decrease resulting in poor cooling performance, and increased operating noise. Be sure to clean the filter every 2 weeks.

#### Removal of anti-mould filter

- Raise the grille by approximately 90°.
- Slide it to the left to unhinge then pull outwards to release the grille insert.
- Pull the air filter on the holder and slide downward.



The air filter and anti-bacterial filter can be easily cleaned using a vacuum cleaner. Vacuum the front and back of the filter. If it is badly soiled, wash with a mild household detergent.



Anti-mould filter



Anti-bacterial filter

### Cleaning the IAQ filter

#### ZEOLITE FILTER

Avoid contact with water, shake off every 2 months.  
Technical life : 2 years

#### ELECTROSTATIC FILTER

Avoid contact with water, shake off every 2 months.  
Technical life : 1 year

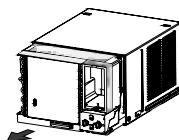
#### ACTIVE CARBON FILTER

Avoid contact with water, shake off every 2 months.  
Technical life : 1 year

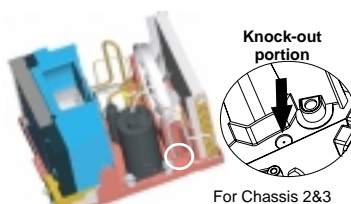
## CONDENSED WATER DRAINAGE

The room air conditioner's water splashing component dispenses water in your condenser coil, resulting in better performance, thus producing a splashing sound. If the splashing sounds annoys you, an outside drainage can be provided.

### 1. Slide the chassis out from the outer wrapper.



### 2. Knock-out the slot located on the base pan.



For Chassis 2&3

### 3. Slide the chassis back into the outer wrapper.

