

WHYNTER ECO-FRIENDLY 10,000 BTU PORTABLE AIR CONDITIONER

MODEL# : ARC-10WB

Instruction Manual



Congratulations on your new WHYNTER product. Please read this Instruction Manual carefully before using this product to ensure proper operation. Keep this manual in a safe place for future reference.

TABLE OF CONTENTS

INTRODUCTION	3
SAFETY PRECAUTIONS	4-5
IDENTIFICATION OF ACCESSORIES	6
IDENTIFICATION OF PARTS	7
OPERATING YOUR AIR CONDITIONER	8
INSTALLATION INSTRUCTIONS	9-12
AIR FILTERS INSTALLATION	13
OPERATION INSTRUCTIONS	14-15
WATER DRAINAGE	16
REMOTE CONTROL	17
CARE AND MAINTENANCE	18
TECHNICAL DATA	19
TROUBLESHOOTING	20-21
WARRANTY INFORMATION	22

Thank you for choosing the Whynter portable air conditioner. Please follow the instructions provided in this user guide to obtain the very best performance from your portable air conditioner and take full advantage of the many features your portable air conditioner offers you. We trust that your Whynter air conditioner will provide the performance and reliability that we stand for.

Please keep this user manual in a safe place for future reference.

DISPOSAL



This symbol on the product or its packaging indicates that the appliance cannot be treated as normal domestic trash, but must be handed in at a collection point for recycling electric and electronic appliances. Your contribution to the correct disposal of this product protects the environment. Further information about the recycling of this product can be obtained from your local municipal authority.

Your safety and the safety of others are very important to us.

To reduce the risk of fire, electrical shock or injury when using your appliance, follow these basic precautions.

SAFETY PRECAUTIONS



Before the appliance is used, it must be properly positioned and installed as detailed in this manual.



- Do not under any circumstances cut or remove the third (ground) prong from the power cord.
- Make sure this unit is connected to a correctly grounded power supply outlet. <u>Do not use an</u> extension cord or power strip.
- The power cord is UL listed. It has a built-in L.C.D.I. (leakage, current, detection, interruption) circuit breaker for added safety. If the power supply is interrupted, press the reset button to reconnect the unit to power source.
- It is recommended to use a separate circuit that its size should be 15 Amps for the air conditioner.
- Do not use an excessively wet cloth, industrial solvents, oil-based products to clean this portable air conditioner.
- To avoid the risk of shock, the product should never be used in bathrooms, shower rooms, or in any other steamy or wet areas.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliances.
- Do not repair, disassemble and/or modify the unit by yourself.
- Always turn off the portable air conditioner when cleaning the air filter, and transporting.
- Do not turn this unit on and off by plugging and unplugging. Always use the ON/OFF switch.

\Lambda WARNING \Lambda

- Transport the unit in an upright position only, or leave it in an upright position for at least 2 hours before first use.
- Ensure curtains or other objects are not obstructing the air inlet filters.
- Do not bend or crush the exhaust hose while in use.
- Always allow at least 20" of clearance around the unit for ventilation. Do not use this unit inside closets, cabinets and/or cramped spaces between furniture.
- This unit is optimized to operate in an ambient temperature of 64°F 90°F.
- This unit must be installed in an area protected from the element, such as wind, rain, water spray or drips.
- The unit should not be located next to ovens, grills or other sources of high heat.
- Always place the unit on even and hard and level surface.
- Do not sit or place objects on the unit.

4 | Page

- Do not allow children to climb, stand or hang on the appliance. The air conditioner could tip over and get damaged and/or seriously injure somebody.
- Keep fingers out of the air intakes and air outlets.
- The appliance is an electrical appliance. To avoid injury from electrical shock do not operate it with wet hands, while standing on a wet surface or while standing in water. Do not use it in outdoors or in wet conditions.
- When positioning or moving the appliance, ensure it is not turned upside down or greater than 45° or more off level.
- This appliance is designed for household, non-commercial use only. Any other use will void the warranty.
- Do not plug into the power outlet before set up is completed.
- Do not operate this unit without the air filter(s).
- Do not use harsh chemicals to clean the filter(s). Dry thoroughly before inserting the filter(s) into the unit.
- Do not add extra length to the exhaust hose by more than a total length of 9'. This will reduce the cooling efficiency of the portable air conditioner.
- At the end of each season, all water must be drained from the unit and filter(s) must be cleaned before storage.

THE MANUFACTURER DISCLAIMS ANY RESPONSIBILITY IF THE ABOVE INSTRUCTIONS ARE NOT FOLLOWED.

OPERATING CONDITION

MODE	ROOM TEMPERATURE
COOL	Higher than 62°F / 17°C
DRY	Higher than 54°F / 13°C



Your portable air conditioner is supplied with a Leakage-Current Detection and Interruption (LCDI) plug. This plug reduces the risk of fire due to arcing faults in the power supply cord. Please follow the instructions below to ensure that LCDI plug works properly.

- 1. Plug the power cord to a grounded wall outlet. Do not plug to a power strip or extension cord.
- 2. Press the TEST button on the plug. This should trip the plug and cut the power to the air conditioner. If the plug does not trip and the unit comes on, please contact technical support.
- 3. Press the RESET button to start the air conditioner.
- 4. Do NOT use the TEST and RESET buttons to turn the air conditioner on and off.

IDENTIFICATION OF ACCESSORIES

IMAGE	ACCESSORY NAME	QUANTITY
	Exhaust hose and Adaptor (flat mouth)	1 set
	Round adaptor	1 set
Ś	Wall exhaust adaptor	1 pc
	Expansion plug and wooden screw	4 pcs
	Window slider kit	1 set
	Foam seal	3 pcs
	Remote control & Batteries	1 set
00	Drain hose	1 pcs

IDENTIFICATION OF PARTS Front



Rear



- 1. Control Panel
- 2. Front Air Vent / Louvers
- 3. Caster (four)
- 4. Handle (both sides)

- 6. Upper air filter
- 7. Air outlet (hot air exhaust)
- 8. Power cord outlet
- 9. Upper air intake
- 10. Upper drain port
- 11. Lower air intake (Compressor)
- 12. Lower air filter
- 13. Lower drain port

OPERATING YOUR AIR CONDITIONER

Before you begin, thoroughly familiarize yourself with the control panel, remote control and all of the functions. Follow the symbol for the desired function. The unit can be controlled by the unit control panel alone or with the remote control.





1. MODE Controls the 4 function modes: COOL, AUTO, Fan only & DRY.	 6. UP & DOWN Adjusts set temperature (1°C/ 2°F increments) or timer hours (0 – 24 hours). NOTE: This unit is capable of displaying set temperature in Fahrenheit or in Celsius. To convert from one to the other, press and hold the Up and Down buttons for 3 seconds.
2. TIMER	7. LED DISPLAY
Turns the timer function on and off. To cancel the timer,	In Cool mode: shows set temperature in $^\circ C$ or $^\circ F$ and
press the Power button or set the timer to 0.0.	AUTO timer setting.
3. POWER	In DRY and FAN only modes: shows room temperature.
Turns the unit on and off.	Error Codes:
4. SLEEP	E1, E2 & E4: Unplug unit and restart in 5 minutes.
Turns the sleep function on and off.	P1: Bottom water tank is full; drain water from the unit
5. FAN	
Controls the 4 fan speeds: HI, MED, LOW & AUTO. The	9. SWING
fan speed indicator lights illuminates to show the set fan	Turns on the auto swing function.
speed. When the AUTO speed is selected, none of the	
fan speed indicator illuminates.	

INSTALLATION INSTRUCTIONS

Location

The air conditioner should be placed on a hard and level surface strong enough to support the unit. The unit has casters and it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpet surfaces. Do not attempt to roll the unit over objects.

Never place any obstacles around the air inlet or outlet and allow at least 20 inch of clearance for efficient air-conditioning.



9 | P a g e

Window kit Installation

When you use this air conditioner unit, hot air must be exhausted out of the room to complete the air exchange of the condenser. When the unit is operating in fan-only mode, no exhaust is required.



Fig.9a

Window kit Installation in a double-hung window



Window kit Installation in a sliding door/ window



AIR FILTERS INSTALLATION

Your Whynter portable air conditioner is equipped with a washable Pre-Filter and a Silver Ion Filter. The washable Pre-Filter removes large particles such as dust, pet hair and dander. The Silver Ion air filter which is designed to kills bacteria in the air and controls the growth of microbes, such as virus, fungi and spores. It is recommended you replace the Silver Ion Filter every two to three months or as needed. Follow the steps below to install the filters.

WARNING: NEVER OPERATE THE AIR CONDITIONER WITHOUT THE PRE-FILTER

1. Pull up the pre-filter frame



- 2. Remove the Pre-Filter from the filter frame.
- 3. Place the Silver Ion Filter on the Pre-Filter.
- 4. Reattached the filter frame.
- 5. Insert the assembled filter frame into the unit.



OPERATION INSTRUCTIONS

- > BEFORE USING YOUR APPLIANCE
- Remove the exterior and interior packing.
- Before connecting the appliance to the power source, let it stand upright for approximately 4 hours. This will reduce the possibility of a malfunction in the cooling system from handling during transportation.

SWITCHING ON/OFF THE AIR CONDITIONER

• The appliance can be switched ON or OFF by pressing the Power button on the control panel or the Power button on the remote control.

COOLING MODE

- In this mode, the air conditioner cools and dehumidifies the room. To activate this function
 mode, press the MODE button until the COOL indicator light comes on. When the cooling
 mode is set, the compressor will start in approximately 3 minutes. In cooling mode, hot air is
 exhausted from the outdoor exhaust port and the exhaust hose must be connected to
 exhaust out the hot air.
- The temperature setting range of this air conditioner is from 62°F / 17°C to 88°F / 30°C. To set the temperature, press the ▲ or ▼ buttons. This air conditioner has a 5°F temperature cushion which if the set temperature is within 5°F of the ambient temperature, the unit runs on fan only mode. This saves energy and prolongs the life of the compressor of the air conditioner.
- To set the fan speed, press the FAN button. In cooling mode, the difference in noise level between the 3 fan speeds is not very noticeable when the compressor is on. Try setting the unit to Fan only mode, you should be able to hear the difference between high and low fan speed settings.

DRY (DEHUMIDIFYING) ONLY MODE

• In this mode, the air conditioner only dehumidifies the room, the compressor will activate intermittently depending on the ambient temperature and the fan speed is set to LOW. To activate this function mode, press the MODE button until the DRY indicator light comes on. Please note that when switching function mode, there will be an approximately 3 minute transition time. In dehumidifying mode, do not connect the exhaust hose and let the warm air return to the room.

AUTOMATIC MODE

- When you set the air conditioner in AUTO mode, it will automatically select cooling or fan only operation depending on what temperature you have selected and the room temperature is close to the unit. The fan speed is automatically selected and cannot be changed.
- To operate the unit in Auto mode when the unit is on, press the Mode button until the indicator for "Auto" is lit.

FAN ONLY MODE

In this mode, only the fan of the air conditioner runs and circulates the air in the room. To
activate this function mode, press the MODE button until the FAN indicator light comes on.
In this function mode, the temperature cannot be set. Subsequently, set the desired fan
speed by pressing the FAN button. Fan Only mode requires that the exhaust hose be
removed.

TIMER (DELAYED SWITCH ON / OFF) FUNCTION

• This function mode enables a delayed switch ON or delayed switch OFF of the air conditioner. The time (hours) delay can be set, enabled and disabled.

SETTING SWITCH OFF TIMER

With the air conditioner operating in any function mode, press the TIMER button. The TIMER OFF light will come on. Then set the desired time delay OFF hours by pressing the UP and DOWN buttons. The time increments are at 0.5 hour to up to 10 hours, followed by 1 hour increment up to 24 hours. When the delay time set has elapsed, the air conditioner switches off. To cancel the delayed switch off function, turn off the air conditioner or adjust the time setting to 0.0.

SETTING DELAYED SWITCH ON TIMER

With the air conditioner is off, press the TIMER button. The TIMER ON light will come on. Then set the desired time delay ON hours by pressing the UP and DOWN buttons. The time increments are at 0.5 hour to up to 10 hours, followed by 1 hour increment up to 24 hours. When the delay time set has elapsed, the air conditioner switches on. To cancel the delayed switch on function, turn on the air conditioner or adjust the time setting to 0.0.

SLEEP MODE

In this mode, the air conditioner gradually increases the set temperature in cooling mode, decreases the noise level and conserves energy. In Sleep & cooling mode, the set temperature is increased by 1°C/ 2°C in the first 30 minutes. The temperature will then increase by another 1°C/ 2°C after an additional 30 minutes. This new temperature will remain the same for 7 hours. To activate this function mode, press the SLEEP button until the sleep indicated light comes on.

AUTO RESTART

In the event of a power outage, the air conditioner restarts at the previously set function mode and settings when power is restored.

CONTROLLING THE AIR FLOW DIRECTION

The louvers can be adjusted manually or automatically.

To adjust the air flow direction, manually move the louvers to the desired position. The maximum setting angle is about 60°.

NOTE: Keep the louver fully opened during operation.

To adjust the air flow direction automatically, press the SWING button to set the louvers at the desired angle. The louvers move up to an angle of 6° when the SWING button is pressed once. By pressing the SWING button for more than 2 seconds, the auto swing feature is activated.

NOISE LEVEL

Portable air conditioners may make sounds that are not familiar to you. The sounds listed below are normal. Noise reflecting off hard surfaces such as a floor or wall can make the sounds seem louder than they actually are.

- The compressor may make a pulsating or high-pitched sound.
- Water running from the evaporator to the water tank may make a splashing sound.
- Refrigerant flowing may make a gurgling sound.
- Fan sound may come from front and back air vents.

WATER DRAINAGE



When the water level of the bottom tray reaches maximum level, the unit will beep 8 times and the digital display will show P1 symbol. Also, the cooling or dehumidifying function will stop and the fan only function will start.

Manual drainage

To drain the water from the bottom try, carefully move the unit to a drain location, remove the bottom drain plug and let the water drain (Fig.25). The P1 symbol will disappear and the cooling or dehumidifying function can be started.

Continuous drainage

In COOL or DRY modes, remove the upper drain plug from the back of the unit and install the drain water hose (5/8 universal female mender) with ³/₄" hose. Place the open end of the hose to a drain area. (Fig.23 & 24).

REMOTE CONTROL

The portable air conditioner can be switched on by the remote control. To transmit signals from the remote control to the air conditioner, point the front part of the remote handset towards the control panel on the air conditioner. Reception of the signal is confirmed by a beep. The maximum signal transmission distance is approximately 8 meters / 26 feet.

- Other appliances in the same room controlled by a remote control (TV, radio, stereo, etc.), may cause interferences.
- Electronic and fluorescent lamps may interfere with the signal transmissions between the remote control and the air conditioner.
- Remove the batteries if the remote control is not used for long periods.



INSTALLING BATTERIES

- Only use two dry LR03 AAA 1.5V Batteries (included) in the remote control.
- Always change both batteries at the same time.

To insert the batteries, open the flap on the back of the remote control by sliding if off. Strictly adhere to the polarity signs on the bottom of the battery housing, close the flap once the batteries have been inserted.



CARE AND MAINTENANCE



IMPORTANT:

- Switch off the air conditioner and disconnect the plug from the power outlet
- Drain water by removing the drain plug.
- Always transport the air conditioner in an upright position only.
- **CLEANING THE AIR FILTERS**
- To ensure the air intake is filtered properly and to assure that your air conditioner runs efficiently, it is recommended to clean the air filters at least once every two weeks.
- This unit has two air filters; the upper and the lower filters.
- Switch off the air conditioner and pull out the upper air filter from the unit (Fig 26).
- Remove the lower filter by loosening the screw and taking down the air inlet grille. (Fig.27 & 28).
- Use a vacuum cleaner or tap lightly to remove loose dust and dirt from the filters. Then rinse them thoroughly under warm or cold running water (no hotter than 100F.)
- Dry thoroughly before re-inserting the filters.

WARNING! Never operate the air conditioner without the filter in place.

CLEANING THE AIR CONDITIONER

- Always switch off the air conditioner and disconnect the plug from the power supply outlet before cleaning the air conditioner.
- Use a soft damp cloth to wipe the body of the unit.
- Never use harsh chemicals, oil-based products, detergents, chemically treated cloths or other cleaning solutions. These could possibly damage the body of the air conditioner.

END OF SEASON STORAGE

- Switch off the air conditioner and disconnect the power plug from the power supply outlet before cleaning the air conditioner.
- Clean the air filters.
- Drain the condensed water COMPLETELY.
- On a warm day, turn on the Fan only mode for half a day so that the inside can dry out completely.
- Wrapped the power cord and bundle it with the tape (Fig.29).
- Remove the batteries from the remote controller.
- Disconnect the exhaust hose and cover the window / wall hole with the adaptor cap. (Fig.30)
- It is recommended that the air conditioner be put back into its original carton for storage.

TECHNICAL DATA

Cooling capacity	10,000 BTU
Power supply	115v/ 60Hz
Maximum power input	1170 Watts
Maximum input	10.1 Amps
Dehumidifying capacity	55 Pts / Day
Thermostat	62°F / 17°C to 88°F / 30°C
Refrigerant	R-410A
Air flow (max.)	380 m3/ Hour
Fan speeds	3 (Auto, H, M, L)
Exhaust hose length	48" / 4'
Unit Dimensions	17" W x 13.6" D x 28" H
Unit Weight	64 lbs

TROUBLESHOOTING

Problem	Possible Causes	Solutions
The portable air conditioner does not turn on	Power failure / outage.	Restore the power supply.
	The automatic switch, line fuse, or breaker has been tripped.	Flip the switch / change the fuse / turn the breaker back on. Also note that you may have too many appliances drawing power on one circuit, you may need to move the other appliances to another circuit.
	The power supply voltage is too low.	Move the unit onto another circuit with the correct voltage.
	The power cord is damaged.	Call for service. Only authorized personnel should replace damaged power cord or power plug.
	The L.C.D.I. power plug for the unit is tripped.	Press the Reset button on the L.C.D.I. power plug.
		Drain water from the air conditioner.
	The internal water reservoir is full and 'P1" appears on display.	
The unit turns on but the compressor does not turn on (the fan runs but the unit is not cooling)	The room temperature is outside of the operational tolerances of the unit.	This unit is designed to work in ambient temperatures of 63°F to 90°F.
	The Cooling mode is not on.	Press the MODE button until the COOL light is shown on the display.
	The compressor has not turned on yet because of its time delay.	Give the compressor 3 minutes to turn on after the Cooling mode has been selected.
	The set temperature is too high.	Set the air conditioner to a lower temperature. It is recommended to set the temperature to at least 5°F of the ambient temperature.
	The internal water reservoir is full and 'P1" appears on display.	Either manually drain the water by removing the drain plug or allow the unit to exhaust the water itself by running the fan only mode. Then cooling will resume.
The air coming out of the unit is not very cold, or the airflow volume is weak	The filters are dirty or obstructed.	Clean the air filters.
	The air intake or exhaust is obstructed.	Make sure there is at least 20" of clearance from the air intake. Make the length of the exhaust hose is as short as possible.
	The unit is set in DRY or FAN mode.	Set the unit to the cooling mode.

	The unit is set to low fan speed.	Set the unit to a higher fan speed.
The unit has worked for	Windows or doors are open.	Close all windows and doors.
a long time, but the room is not cold enough	There are too many people in the room.	You may need additional cooling or another air conditioner.
	There is direct sunshine into the room.	Close curtains or blinds and try to minimize the amount of direct sunlight into the room.
	The room is a kitchen or with many heat-producing appliances	You may need additional cooling or another air conditioner.
	There is a server in the room.	You may need additional cooling or another air conditioner.
	The room is too large.	You may need additional cooling or another air conditioner.
The unit is very noisy	The unit is not level.	Make sure the unit is on hard, level and stable surface.
	The surface underneath the unit is uneven.	Move the unit to a location with a level and hard floor.
	Low power voltage.	Make sure the wall outlet and support the required power consumption of the air conditioner and do not use an extension cord.
The unit leaks water	The unit is tilted or not leveled	Make use the unit is leveled.
	The water tank is full.	Drain water from the drain plug at the back of the air conditioner.
Fan speed cannot be changed	Fan speed differences are not very noticeable	The fan speed difference is not very noticeable when the compressor is on. Try setting the unit to Fan only mode, you should be able to hear the difference between high and low fan speed settings.

ONE YEAR LIMITED WARRANTY & THREE YEAR WARRANTY ON COMPRESSOR

This WHYNTER portable air conditioner is warranted, to the original owner within the 48 continental states, for one year from the date of purchase against defects in material and workmanship under normal use and service. Should your WHYNTER portable air conditioner prove defective within one year from the date of purchase, return the defective part or unit, freight prepaid (within two months of purchase; after two months to one year, customer will be responsible for freight cost to Whynter's service department), along with an explanation of the claim to Whynter LLC. Please package the portable air conditioner carefully in its original packaging material to avoid damage in transit. <u>Please retain the original box and packaging material.</u> Under this warranty, Whynter will repair or replace any parts found defective. This warranty is not transferable. After the expiration of the warranty, the cost of labor and parts will be the responsibility of the original owner of the unit.

THIS WARRANTY DOES NOT COVER:

- Acts of God, such as fire, flood, hurricanes, earthquakes and tornadoes.
- Damage, accidental or otherwise, to the air conditioner while in the possession of a consumer not caused by a defect in material or workmanship;
- Damage caused by consumer misuse, tampering, or failure to follow the care and special handling provisions in the instructions.
- Damage to the finish of the case, or other appearance parts caused by wear.
- Damage caused by repairs or alterations to the product by anyone other than authorized by the manufacturer.
- Freight and Insurance cost for the warranty service.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN. CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR. WHYNTER SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN LIMITED WARRANTY OR ANY IMPLIED WARRANTY. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSE- QUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THESE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WRITTEN WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

To obtain service or information, contact Whynter LLC via email at <u>service@whynter.com</u> or call 866-WHYNTER.

Product contents and specifications may change without notice. Copyright © 2010 Whynter LLC www.Whynter.com