LGR DEHUMIDIFIER

MODEL: LGR-8500sc
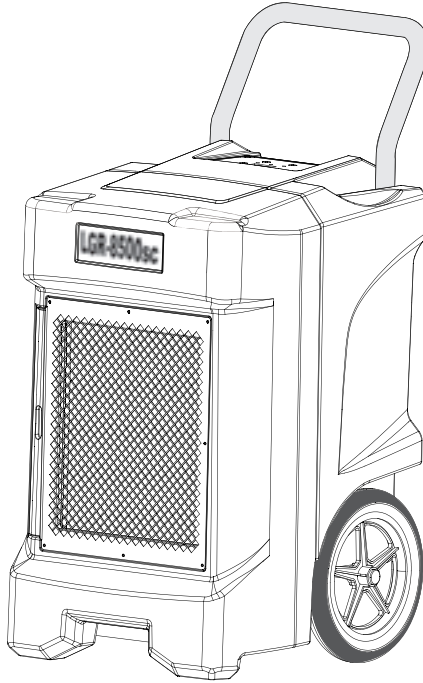
INSTRUCTION MANUAL

READ & SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

GENERAL INFORMATION

Packaging

Please DO NOT dispose of any packaging until you have checked the appliance is operational.

After removing the packaging ensure the contents are intact and complete.
In the unlikely event of missing parts; contact your retailer.

DO NOT leave children unattended with any of the packaging since it is a potential source of danger. Disposal of all packaging must be carried out responsibly & safely and in accordance with your local authority regulations.

ALWAYS recycle the packaging material where possible.

When using any electrically powered product, basic safety precautions should always be followed.

PLEASE READ THE INSTRUCTIONS CAREFULLY AND IN FULL BEFORE USING THE PRODUCT.
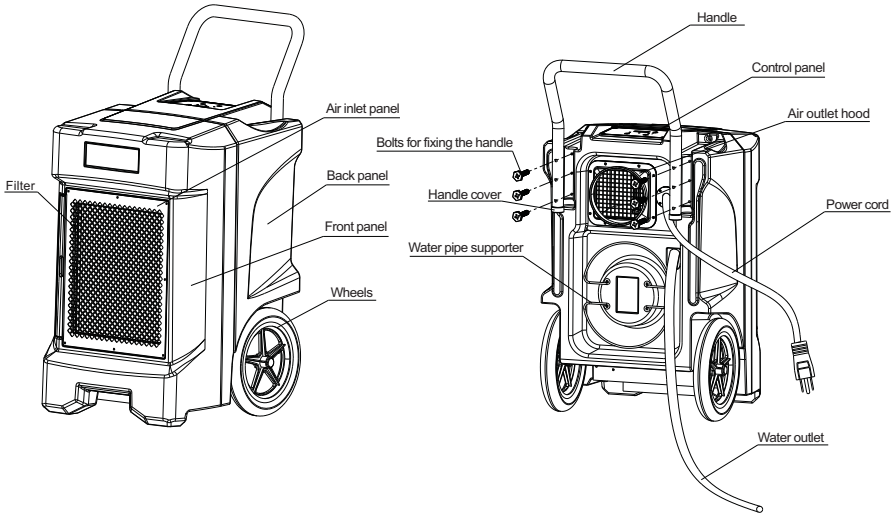
IMPORTANT INSTRUCTIONS

WARNING - to reduce the risk of fire, electrical shock or injury to persons or property:

1. Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification plate.
2. Close supervision is necessary when any product is used by or near children the elderly or the infirm. Do not allow children to use the appliance as a toy.
3. Do not operate this product with a damaged power cord plug. If the supply cord is damaged it must be replaced by qualified personnel or other similar qualified persons in order to avoid hazard.
4. To reduce the risk of electric shock, do not expose the unit or flexible cord to moisture of any kind.
5. Switch off and unplug from the power socket when not in use, before assembling or before cleaning.
6. Do not place objects on the product or allow objects to obstruct the inlet or outlet openings, or operate in close proximity to walls or curtains, etc.
7. The use of attachments or accessories not recommended or sold by the product distributor may cause injury to persons or damage to property.
8. This product is intended for normal light commercial use only.
9. Do not attempt to dismantle the appliance.
10. Do not operate the appliance on a metal surface.
11. Do not use the appliance in artificially hot or humid conditions or allow to be used in a hazardous environment.
12. Do not clean the appliance with organic solvent.
13. 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.
14. Children should not be left unsupervised with the appliance .
15. This instruction manual is an integral part of the appliance and should be stored for safe keeping and must always accompany the appliance in the event of ownership transfer or for reference to by a service engineer.

READ AND SAVE THESE INSTRUCTIONS

Handle

Control panel

Air inlet panel

Air outlet hood

Bolts for fixing the handle

Back panel

Filter

Handle cover

Front panel

Power cord

Water pipe supporter

Wheels

Water outlet

NOTE: Please install the handle by yourself
(six bolts are for your installation)

⚠ WARNING

DO NOT OBSTRUCT THE AIR INLET OR OUTLET.

SETTING UP INSTRUCTIONS

⚠ IMPORTANT

Place dehumidifier in the upright position. When transporting a dehumidifier to site, allow the dehumidifier to stand for 30 minutes before switching ON. This is necessary to allow the refrigerant system to stabilise and avoid system damage .

SETTING UP THE DEHUMIDIFIER: Operate the dehumidifier in an enclosed area, as this creates a drying chamber. Close all doors, windows or areas that open to external areas, to maximize the dehumidifier's water removal efficiency. Keep traffic through the drying chamber to a minimum. Place the dehumidifier in the centre of the room away from walls and furnishings. DO NOT allow the airflows to be obstructed.
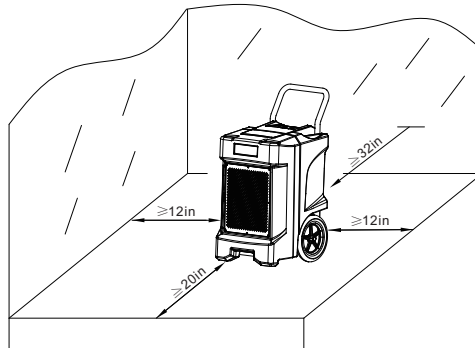

≥32in

≥12in ≥12in

≥20in

Illustration of correct positioning for best performance

DRAINAGE: The dehumidifier pump connects to a plastic drainage hose. The hose is stored on the back of the appliance. Uncoil the entire hose ensuring there are no kinks or restrictions and place the unattached end into a water vessel or run to outdoors.

Ensure that water which runs to outdoors does NOT create a slip hazard.

Water vessels MUST be checked regularly where used.

CONTROL PANEL

A. ON/OFF Key

B. PURGE Key

C. UP AND DOWN Key

D. MENU Key

E. CONFIRM Key

FUNCTION KEYS

A. ⏻ ON/OFF: Press once to turn the unit ON or OFF.

B. (P) **PURGE:** Press the PURGE key to empty water from the pump reservoir. During normal operation the pump purges automatically when the reservoir is full. Use 'PURGE' before moving the machine to avoid water spillage. The pump will close automatically after forty seconds continuous operation.

C. ⋀ and ⋁

I. Press ⋀ and ⋁ key to set or adjust humidity in the range between 26% and 90%. When the environmental humidity is below 26% "CO" will be displayed.

II. ⋀ and ⋁ key is used to adjust set time.

III. ⋀ and ⋁ key used to switch menu functions.

D. (M) : Press the function key, the panel displays 'HUMID' - 'TIMER' - 'LOAD' - 'LANGUAGE'. Press ENTER to select sub menu. Repress ENTER key and after one minute the appliance will return to normal menu.

E. (OK) : Press the ENTER key to confirm menu selection.

Operation in general use:

I. Press the ON/OFF key to power the dehumidifier ON. The unit will operate automatically to set conditions.
II. After use, press ON/OFF key to turn the power OFF. The water pump will turn on automatically for 40 seconds to drain the residual condensate water in the dehumidifier.

Attention:

DO NOT switch the power **OFF** by disconnecting at the mains socket outlet.
To avoid water spillage; **DO NOT** move the dehumidifier for at least three minutes after turning the power **OFF**.

Humidity setting

The factory setting is continuous. The humidity can be set in the following manner:
1. Press the **FUNCTION** key. The screen will display: Humid, Timer, Load, Langu R.

Humid	Timer
Tempu	Langu R

2. Press the FUNCTION key again, and select "Humid".
3. Press "ENTER" and the screen will display:

Humid	Setting
0 0 %	R

4. Press "▲" and "▼" key, to select Relative Humidity between 26% and 90%
5. Press **ENTER** key to select desired setting.
6. Press **FUNCTION** key to select "R" and press the **ENTER** key or wait 10 seconds to turn back automatically. If you need return to acquiescent **RH** setting, choose a number below 26% then press **ENTER**.

Timer:

1. Press the **FUNCTION** key. The screen will display: Humid, Timer, Load, Langu

Humid	**Timer**
Tempu	Langu R

2. Press the **FUNCTION** key & select Timer
3. Press the **ENTER** key & the screen will display:

T.on	T.off
T. I/0	R

4. Press the **FUNCTION** key & select clock.
5. Press the **ENTER** key & the screen will display:

Timer	On
00:00	Off R

6. Press "▲" and"▼" key, select hours from 00 to 24.
7. Press the **ENTER** key to confirm.
8. The cursor turns to the next position automatically.
9. Press "▲" and"▼" key to select minutes from 0 to 59.
10. Press the **ENTER** key to confirm the number.
11. The cursor turns to the next position automatically.
12. Repeat process until the clock is completely set.
13. Once finished, move the cursor to 'R' and press the **ENTER** key to return to normal operating mode. The screen will display set time only.

In the event that data requires modifying; use the cursor to reset.

The new data will not become active until the ENTER key is pressed.

Timer ON setting

Ensure the clock is correct before setting the timer.

1. Press the **FUNCTION** key & the screen displays:

```
Humid          Timer
Tempu          Langu     R
```

2. Press the **FUNCTION** key again & select Timer
3. Press the **ENTER** key & the screen displays:

```
T.on           T.off
T     I/0              R
```

4. Press the **FUNCTION** key again & select **T** on.
5. Press the **ENTER** key & the screen will display:

```
Timer          Off
00:00          Off      R
```

6. Press "▲" and"▼" keys to select from 00 to 24.
7. Press the **ENTER** key to confirm this number.
8. Press the **FUNCTION** key again & select minute position
9. Press "▲" and"▼" key & select from 00 to 59.
10. Press "**ENTER**" key to confirm this number.
11. Press the **FUNCTION** key again & '**Off**' is displayed.
12. Press the **ENTER** key & '**On**' is activated.
13. After setting is completed press the **FUCTION** key again & move the cursor to "**R**" and press the **ENTER** key. The display will return to normal.

To cancel the time display move the cursor to the 'On' position and press enter, turning it to Off. This function only performs once.

Timer OFF setting

Set the timer OFF in the same manner as timer ON

Cycle timer setting

The screen displays:

On	**00**:00	Off
Off	00:00	R

After setting the cycle timer the dehumidifier will turn **ON/OFF** at the selected times. The cycle is 24 hours.

Pressing 'On/Off' during the Cycle timer operation will not automatically cancel the program.
The dehumidifier will not function if the timer ON and timer OFF times are the same.
To cancel the time display, press the ENTER key to change OFF to ON.

Temperature Unit Exchanging:
a. Press the M key & the screen displays:

Humid	Timer	
Tempu	Langu	R

b. Press the M key again & select "Tempu"flicker.
c. Press the OK key & the screen displays:

Tempu	Setting		
℃ ON	℉	OFF	R

d. Press M key again to exchange between ℃ and ℉ .
e. Press Ok key to confirm.

Language choosing:
a. Press the M key & the screen displays:

Humid	Time
Tempu	**Langu** R

b. Press the M key again & select "Langu"flicker.
c. Press the OK key & the screen displays:

ENGLI	DEUTS
SPANI	FRENC R

d. Press the M key again & select your required language.
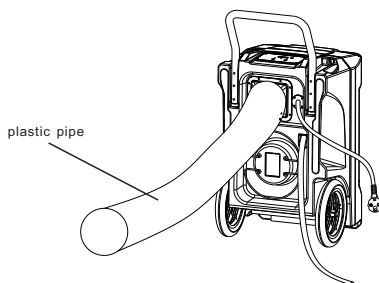e. Press Ok key to confirm.

Stack function
For convenient freight, two unit of this machine could be stacked, and the slot of the wheel can help to stable and safe transportation.
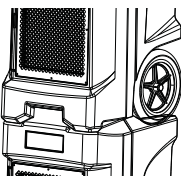
I. Pipe function
As to a much wetter space, use a plastic pipe with diameter larger than 170mm, and tie the pipe to hood, it will be much faster and more effective to make it dry.

plastic pipe

Ensure the dehumidifier is turned OFF and the plug is removed from the power socket before maintenance is carried out.

The working performance of the dehumidifier will be greatly reduced if the filters become blocked.

pull out from
the left side
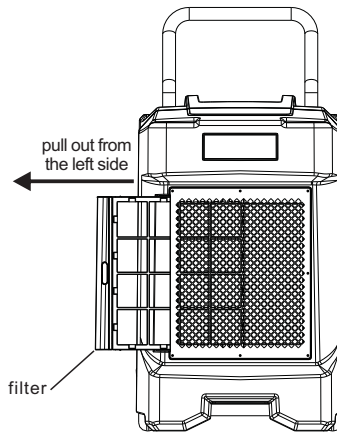
filter

I.   Remove the filter as shown in the diagram above.
II. Vacuum any debris from the filter using the vacuum hose and nozzle attachment.
III. Using luke-warm water and a mild detergent wash the filter and allow to dry.
IV. Once dry, re-install the filter into the dehumidifier.

TROUBLE SHOOTING

The problems as blow are probably not the real faults. Please check the machine according to the tips.

PROBLEM	CAUSE	SOLUTION
Unit does not operate	No power to appliance	Connect plug to power socket and check the power
	Switch not turned on	Switch on
	E8 error is displayed	Try to manually drain the water
No water or very little water	Insufficient working time	Allow unit running more time
	Filter is blocked	Clean the filter
	Indoor temperature is too low	Increase the indoor temperature
	Drain hose tied or deflated	Check drain hose
The dehumidifying effect is poor	Doors or windows are open or the bad hermetic house	Seal up the room
Water leakage	Residual water has not ruled out clean or overbank of the unit	Manually drain the water after power is on
Hot air is exhausted from the outlet	The normal heat exchange	Normal phenomenon
With the sound of flowing water or dada voice	Refrigerant flow sound or water pump working sound	Normal phenomenon
All keys have no effect	Keys are locked	Press the upper and down key for 2 seconds at the same time

WARNING:

DO NOT attempt to rectify faults using unqualified personnel.

WARNING:

In the event of a fault code, contact your service agent.

Cord	Error Message	Display Reading	Explain & Solution
E0	EEPROM error	Blinking display in the first line	Turn down the unit
E1	Communication error	Blinking display in the first line	Turn down the unit
E2	Coil sensor error	Every 30 seconds flashing display for 2 seconds	The machine still can work, but refrigerant error cannot detect
E3	Air-outlet sensor error	Every 30 seconds flashing display for 2 seconds	The machine still can work, but related function cannot detect
E4	Humidity sensor error	Every 30 seconds flashing display for 2 seconds	Frequency reduction、machine halt
E5	Current protection for main control plate	Blinking display in the first line	Frequency reduction、machine halt
E6	Air-outlet temperature protection	Blinking display in the first line	Turn down the unit
E7	Over-current protection for compressor	Blinking display in the first line	Turn down the unit
E8	Water pump error	Blinking display in the first line	Turn down the unit
P0	IPM module error	Blinking display in the first line	Turn down the unit
P1	Voltage is too high or too low	Blinking display in the first line	Turn down the unit
P4	Compressor stall	Blinking display in the first line	Turn down the unit
P5	Refrigerant lack	Blinking display in the first line	Turn down the unit

SPECIFICATION

Model	LGR-8500sc
Power Source	115V/60Hz
Water Removal AHAM (80°F 60%RH)	130 pints/day
Water removal AHAM max. (80℉ 60%RH)	140 pints/day
Water removal min.(80℉ 30%RH)	50 pints/day
Water removal max.(90℉ 90%RH)	225 pints/day
Rated Current	10 amps
Low Side Design Pressure	240 psig
High Side Design Pressure	480 psig
Refrigerant	R410a/26.8 oz.
Max Process Air	400 CFM
Drain Hose Length	30 Feet
Dimensions (W×D×H)	21 × 20 × 32.5 in.
Net Weight	100 lbs.
Operating Range	32°–115°F