



Portable Oxygen Concentrator SG02L



User Manual

Lovego, Let's Go Along With Love

User Controls & System Status Indicators

Symbol	Definition
	Read user manual before operation. See user manual for instructions
	No Smoking Icon: Do not smoke near unit
	Warnings, Cautions
	Warm Surface
	No open or naked flames.
	Use no oil or grease
	No serviceable parts inside. Do not open cover
	Proper disposal of the equipment according to the local laws and regulations
	Do not get wet
	This side up
	Recycle Symbol
	Type B Applied Part (degree of protection against electric shock)
	Class II
IP21	Drip proof equipment
	Authorized representative in the European Community

Symbol	Definition
	On/off Button
	Increase Flow setting
	Decrease flow setting
	Flow setting indicator
	Battery is charging
	Remaining battery duration
	Power Cartridge (battery) Status Gauge
	Pulse flow
	Breathe frequency
	Working hours
	Serial number
	IOT APP Free Download
	SpO2
	Pulse-rate
	Name and address of manufacturer

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Quick Start Guide

1. Unpack Your Lovego

SG02L



Portable Bag



AC Power supply



Battery Power Supply



DC Power Supply

2. Getting to Know your SG02L

Review all Warnings, Cautions and additional device information in the rest of this manual. Become familiar with the key features of the SG02L and the User Control Panel.

Front



Back



The SG02L User Control Screen Panel displays important operating information



Note: the screen will light off after 20s if there is no operation



ON Button: Press green button, it powers the device ON
 OFF Button: Press red button, it powers the device OFF.



Battery status panel:

190 – Remaining battery duration: In the current gear, the battery capacity can support the machine's usage time. There is an error within 20% in the battery power displayed on the machine screen due to machine power aging, battery aging, and different operating ambient temperatures,
CHG – Battery is charging



Increase or Decrease Flow Setting Buttons: Use these buttons to set the flow to your prescribed setting, the selected flow displays with P-Saver and number.



Working Hours: Accumulated working time



Breathe Frequency: it indicates the actual breathe status of the user



Pulse Mode Indicator: Your home care provider will correctly set your prescribed pulse dose flow.



Oxygen Purity Level Indicator: When oxygen purity is normal, it is green light; if the oxygen purity is lower than 82%, it will turn yellow and if the purity is lower than 72%, it will turn red.



Home key: Touch Lovego Oxygen Concentrator to jump another interface for details working status of each key part.



Power (battery) Status Gauge



Sound Button



Using mode selection: manual model and Automatic mode

3. Powering on the SG02L




Install the Battery: Insert the battery into the empty compartment at an angle until the top of the battery locks into place and is flush with the back of the device.



When the battery is properly installed and you can press switch button, The Battery status will appear on the screen and it shows the remaining battery duration when it is used with battery power only.

To connect AC power source: Insert the AC Power Supply cord securely into the Power cord slot on the back side of the device. Plug the AC power cord into a grounded AC outlet.



When the SG02L is plugged in properly, Press the Switch  on the back, the Screen will light up.  will appear on the screen when it is with battery installed and connected with AC Power supply or DC Power supply. Touch and press the ON/OFF button  on the Screen. The SG02L will start to work.

4. Adjust Flow Setting to Prescribed Level



Increase or Decrease Flow Setting Button

Using the + or - buttons, adjust the setting to the prescription supplied by your physician.

WARNING: IT IS VERY IMPORTANT TO SELECT ONLY THE PRESCRIBED LEVEL OF OXYGEN. DO NOT CHANGE THE FLOW SELECTION UNLESS YOU HAVE BEEN DIRECTED TO DO SO BY A LICENSED CLINICIAN. THE PORTABLE OXYGEN CONCENTRATOR MAY BE USED DURING SLEEP UNDER THE RECOMMENDATION OF A QUALIFIED CLINICIAN.

5. Breathe normally through the nasal cannula

Connect the oxygen supply tubing to the oxygen outlet and connect the oxygen cannula per the instructions provided with the cannula, or per the instructions from your home care provider.



Important!

Safety Instructions are defined as follows:



WARNING: IMPORTANT SAFETY INFORMATION FOR HAZARDS THAT MIGHT CAUSE SERIOUS INJURY.



CAUTION: Important information for preventing damage to the SG02L

Note: Information needing special attention.

Indications for Use



WARNING: IT IS VERY IMPORTANT TO SELECT ONLY THE PRESCRIBED LEVEL OF OXYGEN. DO NOT CHANGE THE FLOW SELECTION UNLESS YOU HAVE BEEN DIRECTED TO DO SO BY A LICENSED CLINICIAN. THE PORTABLE OXYGEN CONCENTRATOR MAY BE USED DURING SLEEP UNDER THE RECOMMENDATION OF A QUALIFIED CLINICIAN.

WARNING: IT RESTRICTS THIS DEVICE TO SALE OR RENTAL BY ORDER OF A PHYSICIAN OR OTHER LICENSED HEALTH CARE PROVIDER.

WARNING: THIS UNIT IS NOT TO BE USED FOR LIFE SUPPORT. GERIATRIC, PEDIATRIC, OR ANY OTHER PATIENT UNABLE TO COMMUNICATE DISCOMFORT WHILE USING THIS DEVICE MAY REQUIRE ADDITIONAL MONITORING. PATIENTS WITH HEARING AND/OR SIGHT IMPAIRMENT(S) MAY NEED ASSISTANCE WITH MONITORING ALARMS.

Contraindications for Use



WARNING: IN CERTAIN CIRCUMSTANCES, THE USE OF NON-PRESCRIBED OXYGEN CAN BE HAZARDOUS. THIS DEVICE SHOULD ONLY BE USED WHEN PRESCRIBED BY A PHYSICIAN.

WARNING: NOT FOR USE IN THE PRESENCE OF FLAMMABLE ANESTHETICS.

WARNING: AS WITH ANY ELECTRICALLY POWERED DEVICE, THE USER MAY EXPERIENCE PERIODS OF NON-OPERATION AS A RESULT OF ELECTRICAL POWER INTERRUPTION, OR THE NEED TO HAVE THE SG02L SERVICED BY A QUALIFIED TECHNICIAN. THE SG02L IS NOT APPROPRIATE FOR ANY PATIENT WHO WOULD EXPERIENCE ADVERSE HEALTH CONSEQUENCES AS THE RESULT OF SUCH TEMPORARY INTERRUPTION.

Safety Guidelines



WARNING: NO MODIFICATION OF THIS EQUIPMENT IS PERMITTED



WARNING: THE MANUFACTURER RECOMMENDS AN ALTERNATE SOURCE OF SUPPLEMENTAL OXYGEN IN THE EVENT OF A POWER OUTAGE, ALARM CONDITION, OR MECHANICAL FAILURE. CONSULT YOUR PHYSICIAN OR EQUIPMENT PROVIDER FOR THE TYPE OF RESERVE SYSTEM REQUIRED.

WARNING: THIS DEVICE SUPPLIES HIGH-CONCENTRATION OXYGEN THAT PROMOTES RAPID BURNING. DO NOT ALLOW SMOKING OR OPEN FLAMES WITHIN THE SAME ROOM OF (1) THIS DEVICE, OR (2) ANY OXYGEN-CARRYING ACCESSORY. FAILURE TO OBSERVE THIS WARNING CAN RESULT IN SEVERE FIRE, PROPERTY DAMAGE, AND/OR CAUSE PHYSICAL INJURY OR DEATH.

WARNING: DO NOT OPERATE UNIT IN A RESTRICTED OR CONFINED SPACE (I.E., A SMALL CASE OR HANDBAG) WHERE VENTILATION CAN BE LIMITED. THIS CAN CAUSE THE OXYGEN CONCENTRATOR TO OVER-HEAT AND IMPAIR PERFORMANCE.

WARNING: THE CONCENTRATOR SHOULD BE LOCATED AS TO AVOID SMOKE, POLLUTANTS OR FUMES.

WARNING: THE USE OF SOME OXYGEN ADMINISTRATING ACCESSORIES NOT SPECIFIED FOR THIS OXYGEN CONCENTRATOR MAY IMPAIR ITS PERFORMANCE. RECOMMENDED ACCESSORIES ARE REFERENCED WITHIN THIS MANUAL.

WARNING: IF THE OXYGEN CONCENTRATOR HAS BEEN DROPPED, DAMAGED OR EXPOSED TO WATER PLEASE CONTACT YOUR HOME CARE PROVIDER FOR INSPECTION OR POSSIBLE REPAIR OF THE DEVICE. DO NOT USE THE OXYGEN CONCENTRATOR IF IT HAS A DAMAGED POWER CORD OR PLUG.

WARNING: PROPERLY SECURED, BELT OR OTHERWISE RESTRAIN THE OXYGEN CONCENTRATOR WHEN IN A VEHICLE DURING TRANSPORT TO PREVENT DAMAGE OR INJURY.

WARNING: DO NOT ALLOW EITHER THE AIR INTAKE OR THE AIR OUTLET VENTS TO BECOME BLOCKED. DO NOT DROP OR INSERT ANY OBJECTS INTO ANY OPENINGS ON THE DEVICE. THIS CAN CAUSE THE OXYGEN CONCENTRATOR TO OVERHEAT AND IMPAIR PERFORMANCE.

WARNING: IF YOU FEEL DISCOMFORT OR ARE EXPERIENCING A MEDICAL EMERGENCY, SEEK MEDICAL ASSISTANCE IMMEDIATELY

WARNING: OPERATING THE OXYGEN CONCENTRATOR OUTSIDE OF THE OPERATIONAL TEMPERATURE SPECIFICATIONS CAN LIMIT THE CONCENTRATOR'S ABILITY TO MEET OXYGEN CONCENTRATION SPECIFICATION. REFER TO THE SPECIFICATION SECTION OF THIS MANUAL FOR TEMPERATURE LIMITS.

WARNING: WHILE USING THE PORTABLE OXYGEN CONCENTRATOR OUTDOORS WITH THE AC POWER SUPPLY, CONNECT THE POWER SUPPLY INTO A GROUND FAULT INTERRUPTED (GFI) OUTLET ONLY.

WARNING: THE OXYGEN CONCENTRATOR SHOULD NOT BE USED ADJACENT TO OR STACKED WITH OTHER EQUIPMENT. IF ADJACENT OR STACKED USE IS UNAVOIDABLE, THE DEVICE SHOULD BE OBSERVED TO VERIFY NORMAL OPERATION.



CAUTION: In the event of an alarm or you observe the Oxygen Concentrator is not working properly; consult the Troubleshooting section in this manual. If you cannot resolve the problem, consult your Equipment Provider.



WARNING: DO NOT ATTEMPT ANY MAINTENANCE OTHER THAN THE POSSIBLE SOLUTIONS LISTED WITHIN THIS MANUAL.. DO NOT REMOVE COVERS, ONLY YOUR EQUIPMENT PROVIDER OR A QUALIFIED SERVICE TECHNICIAN OR UNDER THE GUIDE BY LOVEGO SERVICE DEPARTMENT SHOULD REMOVE THE COVERS OR SERVICE THIS DEVICE.

WARNING: ONLY ACCESSORIES RECOMMENDED BY THE MANUFACTURER CAN BE USED. USE OF ANY OTHER MAY BE HAZARDOUS, CAUSE SERIOUS DAMAGE TO YOUR OXYGEN CONCENTRATOR AND WILL VOID THE WARRANTY.

WARNING: SMOKING WHILE USING OXYGEN IS THE NUMBER ONE CAUSE OF FIRE INJURIES AND RELATED DEATHS. YOU MUST FOLLOW THESE SAFETY WARNINGS:

WARNING: DO NOT ALLOW SMOKING, CANDLES, OR OPEN FLAMES IN THE SAME ROOM WITH THE DEVICE OR THE OXYGEN-CARRYING ACCESSORIES

WARNING: SMOKING WHILE WEARING AN OXYGEN CANNULA MAY CAUSE FACIAL BURNS AND POSSIBLY DEATH.

WARNING: IF YOU SMOKE, THESE 3 STEPS MAY SAVE YOUR LIFE: TURN OFF THE OXYGEN CONCENTRATOR, TAKE OFF THE CANNULA, AND LEAVE THE ROOM WHERE THIS DEVICE IS LOCATED.

WARNING: "NO SMOKING – OXYGEN IN USE" SIGNS MUST BE PROMINENT DISPLAYED IN THE HOME, OR WHERE OXYGEN IS IN USE. PATIENTS AND THEIR CAREGIVERS MUST BE INFORMED ABOUT THE DANGERS OF SMOKING IN THE PRESENCE OF, OR WHILE USING, MEDICAL OXYGEN.

WARNING: DO NOT USE YOUR OXYGEN CONCENTRATOR IN THE PRESENCE OF FLAMMABLE GASES. THIS CAN RESULT



CAUTION: Always disconnect AC power supply from the wall before disconnection the AC power supply from the oxygen concentrator.

CAUTION: Always place oxygen supply tubing and power cords in a manner that prevents a trip hazard.

CAUTION: When using the Oxygen Concentrator in an automobile, boat, or on other DC sources with the DC power supply, make sure that the vehicle is started and running before connecting the Oxygen Concentrator. If the DC power supply does not illuminate and requires resetting, disconnect the DC power supply from the DC outlet, restart your vehicle, and then reconnect your DC power supply into the DC outlet. Failure to follow these instructions can result in the power supply not supplying power to the Oxygen Concentrator.

CAUTION: When the automobile in which you are using the Oxygen Concentrator unit is turned off, disconnect and remove the device from the automobile. Do not store the Oxygen Concentrator in a very hot or cold automobile or in other similar, high- or low- temperature environments.

Recommended Operating Environments

For proper use of the device, the following chart provides important information concerning the recommended operating environments, or operating conditions.

Specifications

Operating Temperature	41° F to 95° F (5° C to 35° C)
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Operating Humidity	10% - 95% at an 82.4° F (28° C) dew point
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Transport/Storage Temperature	-4° F to 140° F (-20° C to 60° C) Humidity: Up to 95% Non-Condensing
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Electrical	Use no extension cords. Use no electrical outlets controlled by a switch.
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Altitude	0 -16,400 feet (0 - 5,000 meters)
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Placement	DO NOT block the air inlet (front cover) or the exhaust vent (front cover). Place device a minimum of 3 inches (7.5 cm) away from walls, draperies, furniture, etc.
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Environment	Must be smoke, pollutant, and fume free.
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Operating Time	24-hours a day when connected to an external AC or DC Time power source.
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Note: If the Oxygen Concentrator has been stored for an extended period of time outside its normal operating temperature range, the unit should be allowed to return to normal operating temperature before being turned on. (Refer to the Specifications section in this manual.)

Proper Placement of the SG02L

Select a location for the device that avoids the intake of smoke, fumes and pollutants. Correct placement of the device should allow intake of air through front cover and allow exhaust air to freely leave the exhaust vent at front cover.

Place the device such that the alarms can be heard.

Position the oxygen supply tubing in such a way that it does not kink or occlude.



WARNING: Do not use your oxygen concentrator in the presence of flammable gases. This can result in rapid burning causing property damage, bodily injuries or death . Use no oil, grease, or petroleum-based or other flammable products with the oxygen carrying accessories or the Oxygen Concentrator. Only water based, oxygen compatible lotions or salves should be used.

Oxygen accelerates the combustion of flammable substances

WARNING: This device supplies high-concentration oxygen that promotes rapid burning. Do not allow smoking or open flames within the same room of (1) this device, or (2) any oxygen -carrying accessory. Failure to observe this warning can result in severe fire, property damage, and/ or cause physical injury or death.

Note: When the automobile in which you are using the Oxygen Concentrator unit is turned off, disconnect and remove the device from the automobile. Do not store the Oxygen Concentrator in a very hot or cold automobile or in other similar, high-or low-temperature environments. DO NOT leave the Oxygen Concentrator or the Power Supply plugged into the vehicle if the ignition is in the off position. Doing so may drain the vehicle's battery.



CAUTION: Do not operate unit in a restricted or confined space (i.e., a small case or handbag) where ventilation can be limited. This can cause the Oxygen Concentrator to overheat and impair performance. Do not allow either the air intake or the air outlet vents to become blocked. This can cause the Oxygen Concentrator to overheat and impair performance.

Operating Instructions

Before Operating

This users manual serves as your reference to help you operate and maintain the device. If you have any questions or concerns please call your home care provider.

Important! DO NOT attempt to operate the SG02L without first reading the Safety Guidelines section of this manual. Please follow all of the operating instructions. Please observe all warnings on the device and in the users manual. In order to reduce the risk of fire, personal injury and serious damage to the SG02L, please observe all of the safety precautions.



WARNING: Clean the cabinet, SCREEN TOUCH panel, and power cord only with a mild household cleaner applied with a damp (not wet) cloth or sponge, and then wipe all surfaces dry. Do not allow any liquid to get inside the device. Pay special attention to the oxygen outlet for the cannula connection to make sure it remains free of dust, water and particles.



CAUTION: Do not allow either the air intake or the air outlet vents to become blocked. This can cause the Oxygen Concentrator to overheat and impair performance.

Powering on your SG02L

The device is capable of being operated directly from three (3) different power sources:

- Rechargeable Battery Power Supply
- AC Power Supply
- DC Power Supply

General Charging Information

The SG02L charges the battery while using AC power and and DC power when the battery temperature is within safe charging temperature. When external power is disconnected, the device will automatically switch over to the battery power if the battery is installed and charged. When external power is restored by plugging into an AC outlet, the device will accept power from the external power source and replenish the battery. It is not mandatory for the battery to be installed for the SG02L to operate.

Proper connection of the AC or DC Power Supply requires aligning the power plug with the recessed external power receptacle of the device. The recessed external power receptacle is located on the back side of the device. Push the power plug into the recessed receptacle.

Rechargeable Battery Power Supply



The SG02L can be powered by the rechargeable battery, which is supplied with the device. Insert the battery into the empty compartment and well install it as per the page 6.


To remove the Battery, use hand to hold the top cover of SG02L or hold left side, push the battery latch from right to the left by thumb. Take the Battery away from the SG02L with fingers.

Note: battery latch will be on the right side if without battery installed or when battery is well installed. While removing the battery, battery latch will be in the middle after pushing the batch if the battery is not took out.



Battery Operating Times: The duration-of-use of the Battery is displayed at the left of the Control Screen Panel and it displays the remaining using time. A variety of factors, such as flow setting, and breath rate will impact the operating time. The table Typical New Battery Operating Times provides operating time estimates for the SG02L using a new, fully charged Battery based on flow settings and operating conditions as indicated.

NOTE: DUE TO MACHINE POWER AGING, BATTERY AGING, AND DIFFERENT OPERATING AMBIENT TEMPERATURES, THERE IS AN ERROR WITHIN 20% IN THE BATTERY POWER DISPLAYED ON THE MACHINE SCREEN

 **WARNING: FOR OXYGEN CONCENTRATORS EQUIPPED WITH BATTERIES: STORE IN A COOL AND DRY LOCATION TO HELP ENSURE THE LONGEVITY OF YOUR BATTERY. STORING YOUR OXYGEN CONCENTRATOR FOR EXTENDED PERIODS OF TIME AT HIGH TEMPERATURES OR WITH A FULLY CHARGED OR COMPLETELY DISCHARGED BATTERY CAN DEGRADE ITS OVERALL BATTERY LIFE. DO NOT ATTEMPT TO OPEN THE BATTERY; THERE ARE NO SERVICEABLE PARTS INSIDE THE BATTERY. KEEP BATTERIES AWAY FROM CHILDREN.**

The new Battery supplied with your SG02L is not fully charged when it is shipped from the factory. Before going out, make sure the battery is fully charged. When the Power (battery) Status Gauge is green, the battery is with above 90% capacity and it enters Trickle State.

NOTE: WHEN THE BATTERY IS PLUGGED IN THE FIRST TIME, THE MACHINE CANNOT START. THE BATTERY IS IN A PROTECTED STATE AND IT NEEDS TO BE CONNECTED TO THE ADAPTER TO ACTIVATE THE BATTERY

Two ways can recharge battery

- 1) With the AC/DC Power Supply plugged in, and the Battery correctly installed in the Power Compartment of the device, allow the Battery to completely charge. The Battery is 90% charged when the AC/DC Power adapter turns green.



Battery under charging- Red light



Battery 90% charged - green light

- 2) The Battery can be taken out for charging by connecting with AC Power adapter directly. Indicator light will turn red from green while charging. The Battery is 90% charged when the AC Power adapter turns green.



The SG02L can be used while either discharging or recharging the Battery. It may take between 1 and 6 hours, dependent upon the flow setting, to achieve 80% capacity from a fully discharged Battery. It will charge when the SG02L is plugged into AC power and turned off.

If the Battery becomes too warm during discharging, recharging will not begin until the Battery sufficiently cools. Removing the Battery and allowing it to cool may expedite this cooling process.



CAUTION: When the automobile in which you are using the Oxygen Concentrator unit is turned off, disconnect and remove the device from the automobile. Do not store the Oxygen Concentrator in a very hot or cold automobile or in other similar, high-or low-temperature environments. **DO NOT** leave the Oxygen Concentrator or the Power Supply plugged into the vehicle if the ignition is in the OFF position. Doing so may drain the vehicle's battery.

CAUTION: Only use the Manufacturer's provided batteries. For proper battery disposal, contact your Equipment Provider or your local government agency for disposal requirements.



* Batteries are recyclable. *

In the event of an AC or DC power interruption, the SG02L will automatically switch to Battery operation, as long as the Battery is present and charged, the AC Power indicator will turn green.

When AC/DC power is restored, the Battery will automatically start recharging and the AC Power indicator will turn red if not fully charged. If the Battery is not present, or fully discharged, during an AC/DC power interruption, the SG02L will shut down. The Battery is fully discharged when the battery capacity indicator is zero

Typical New Battery Operating Times

Flow rate setting	Total volume per minute (ml/min)	Battery Duration (5 cells)	Battery Duration (10 cells)
P-saver	400 ml	192 mins	384 mins
Setting 2	660 ml	150 mins	300 mins
Setting 3	1000 ml	120 mins	240 mins
Setting 4	1340 ml	90 mins	180 mins
Setting 5	1680 ml	72 mins	144 mins

Note: The battery duration is based on the capacity of the new battery. The battery capacity will decay to 80% after 500 times usage.

Note: Operating the Oxygen Concentrator outside of its normal operating temperature range can affect performance and decrease battery run time and/or increase battery charge time. (Refer to the Specifications section in this manual.)

AC POWER SUPPLY



The SG02L includes a universal AC Power Supply for use at home or wherever standard AC power is available. To connect to an AC power source, be sure the AC Power Supply cord is securely inserted into the recessed power receptacle on the back of the device and that the cord from the AC Power Supply is plugged into a grounded AC outlet. When the SG02L is plugged in properly and switch on, the screen of SG02L will illuminate.

Note: Use only electrical voltage specified on the specification label affixed to the device



CAUTION: Use only accessories recommended by the manufacturer. Use of any other may be hazardous, cause serious damage to your oxygen concentrator and will void the warranty.

CAUTION: Do not use extension cords with this unit or connect too many plugs into the same electrical outlet. The use of extension cords could adversely affect the performance of the device. Too many plugs into one outlet can result in an overload to the electrical panel causing the breaker/fuse to activate or fire if the breaker or fuse fails to operate.

CAUTION: Use of cables and adapters other than those specified, with the exception of cables and adapters sold by the manufacturer of the medical electrical equipment as replacement parts for internal components, may result in increased emissions of decreased immunity of the Oxygen Concentrator.

DC POWER SUPPLY



A DC Power Supply allows the system to operate from DC outlets, such as those found in motor vehicles.

1. Start your vehicle.
2. Insert the DC cord into the recessed power receptacle on the back of the device.
3. Insert the DC Power Supply plug into the DC power outlet in your motor vehicle.



When the device is properly connected and receiving power from the DC power source, after pressing the switch on the back, the control screen panel will illuminate.



WARNING: Do not allow either the air intake or the air outlet vents to become blocked. This can cause the Oxygen Concentrator to overheat and impair performance.

WARNING: If the vehicle's DC power source drops below 12 Volts, the SG02L will revert to the Battery operation (if the battery is present AND CHARGED). (The remaining using time will display)

Note: While operating the device from a DC power supply, the Battery will be charged when it is installed.

Note: To ensure that the device is utilizing the DC power, check that the CHG is illuminated. If it shows the remaining battery duration, this could indicate a loss of external power.

First Time SG02L Operation

Step 1: Positioning Your SG02L for Use



Place the SG02L in a well-ventilated, well-lit area. Be sure the air inlet and exhaust vents (in front cover) are not obstructed.

Position the SG02L so that all audible and visual indicators or alarms can be easily seen and heard.

Plug the device into a grounded AC Power outlet, a DC Power source, or be sure there is a fully charged Battery installed.



Step 2: Power ON the Device

Turn on switch  on the back, the touch screen will illuminate, and press the On/OFF  button on the screen, the device will start to work.

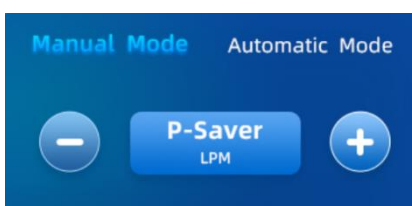
Step 3: Connect the Oxygen Supply Tubing or Nasal Cannula to the Oxygen Outlet

Replace the cannula and oxygen supply tubing regularly, as recommended by your home care provider. Consult your home care provider for cannula and supply tubing cleaning and replacement information.

Note: Ensure the cannula is fully inserted and secure. This ensures that the Oxygen Concentrator can properly detect inspiration for oxygen delivery. During inhalation, you should hear or feel oxygen flow to the prongs of the nasal cannula.

Step 4: Adjust the Flow Setting to the Prescribed Level

Your SG02L has two types pulse modes can be selected, select it on the screen.



Manual mode

It is the default Pulse Mode, press the Flow Setting button, and adjust the flow setting to the prescribed setting supplied by your physician. It has P-saver, setting 2, setting 3, setting 4 and setting 5 for adjustment.



WARNING: It is very important to select only the prescribed level of oxygen. Do not change the flow selection unless you have been directed to do so by a licensed clinician.

Automatic Mode:

Under this mode, the flow rate will adjust to your activities automatically. Press the Automatic key, the interface will Jump to Automatic mode operation interface.

Two ways can active this mode.

1) Click “Open Autom Mode” Key, the mode will be activated. Click “Close Autom Mode”, the mode will be off.



2) Keep breath in 1.2s, it will be activated. It will turn off if there is no breath signals for 10s

Under this mode, keep inhaling for 2s, your flow rate will increase; blowing into cannula for 3s, the flow rate will decrease.

Note: If the machine always shuts down and starts automatically. Please check if automatic working mode is turned on

Note: To ensure proper saturations, secure a prescription for pulse dose from your physician with consideration to your needs at rest, during exercise, and when traveling at altitude. Contact your care provider for prescription and boarding forms.

Breathe Rate and Bolus

Breath Rate	Pulse Flow Settings				
	1	2	3	4	5
15	26 ml	44 ml	66 ml	89 ml	112 ml
20	20 ml	33 ml	50 ml	67 ml	84 ml
30	13 ml	22 ml	33 ml	44 ml	56 ml
40	10 ml	16 ml	25 ml	33 ml	42 ml
mL/breath \pm 15% per ISO 80601-2-67					
Max volume per minute (ml/breath)	400	660	1000	1340	1680
Max Continuous Oxygen Production	Rated Flow 1500 ml Max Flow < 2000 ml				

Note: Bolus Volume decreases as breathe rate exceeds published range

Note: The pulse dose setting (bolus) is not equal to LPM.



WARNING: PULSE DOSE MODE SETTINGS MUST BE DETERMINED FOR EACH PATIENT INDIVIDUALLY FOR THEIR NEEDS AT REST, DURING EXERCISE AND WHEN TRAVELING.

WARNING: THE SG02L MAY NOT BE ABLE TO DETECT ALL INSPIRATORY EFFORTS IN PULSE MODE. IF THE SG02L DOES NOT RESPOND TO YOUR INSPIRATION EFFORTS, ASK YOUR HOME CARE PROVIDER TO CHECK THE SENSITIVITY SETTING.

Note: To Equipment Provider: The following oxygen administration accessories are recommended for use with the Oxygen Concentrator:

- Nasal Cannula with 8.2 feet (2.5 m) of tubing:
- For any additional recommended accessories, please see the Accessories Catalog

Step 5: Begin Using Your SG02L

Breathe normally through the nasal cannula.

Step 6: Power Off the Device

Press the “ON/OFF” key to power OFF your SG02L, and switch off.

Store the SG02L in a cool and dry location for a period no longer than 1 month. The SG02L must run for a minimum of 2 hours per month to ensure proper function of the unit.

Step 7: Pack the SG02L with carry bag

Pack the SG02L into the carry bag, and put accessories, the Carry Bag provides a double and single shoulder design, choose either way suit for your comfort and needs.



Lovego IoT App

Download the APP to control the SG02L and check its using status.



- 1) Turn on Bluetooth of your mobile phone or pad
- 2) Scan the code on the screen panel to download the Lovego APP.

Through the APP, you can control your SG02L by mobile phone or pad as well as check its working status. It will reserve data of user's breath for treatment and monitor inside parts real-time to simplify maintenance

Note: If Bluetooth connection failed. Check if the machine is turned on and put mobile phone closer to the machine, try several more times

Utilizing the built-in Oximeter to test SpO2

Your SG02L is designed with built-in oximeter to measure the SpO2 and HR



- 1) Press the Oximeter button, the function will be activated. If it is the first time to active it after power on, it will wait for 5 seconds to jump the interface. The data SpO2 and Pulse-Rate shows on “Measure” interface. It will return back to home interface after 5s if without operation or after finger extraction
- 2) Insert your finger into the oximeter to monitor the actual SpO2 and Pulse-Rate
- 3) Withdraw the oximeter function and interface after 5 seconds without any operation


Noted: When insert the finger into the oximeter, the finger should be relaxed and not pressed, or it may affect the test results

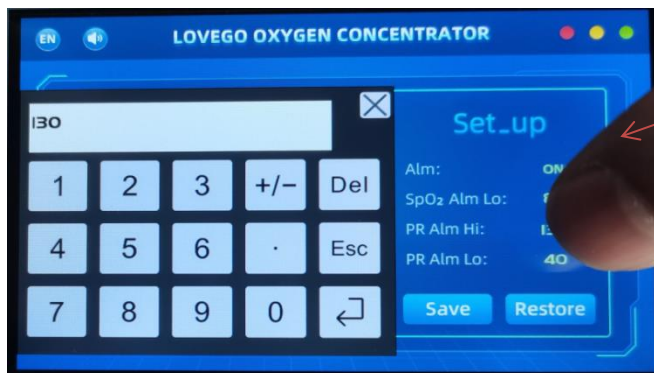
Noted: The monitoring data is only for reference and cannot be used as the basis for clinical diagnosis

A default alarm value of SpO2 and Breath rate are set before leaving factory.

On “Set-up” interface, by touching “On” and it will change to “Off”, the low SpO2 and high PR alarm will be closed. Press “Restore” or "off", the alarm will work again.



The alarm value can be set according to the demands. Touch each number, the set digital keyboard will appear, touch screen to set the data. Touch  to save set, Touch ‘ESC’ to exit set-up.



① Touch each number

② Set the data accordingly

Specification

Rated Oxygen Flow	1500 ml					
Pulse Flow	Breathe Rate	P-saver	Setting 2	Setting 3	Setting 4	Setting 5
	15 BPM	26 ml	44 ml	66 ml	89 ml	112ml
	20 BPM	20 ml	33 ml	50 ml	67 ml	84 ml
	30 BPM	13 ml	22 ml	33 ml	44 ml	56 ml
	40 BPM	10 ml	16 ml	25 ml	33 ml	42ml
Oxygen Concentration	90%+5%/-3% at any settings					
Dimensions in. (cm)	7.32 in x 3.54 in x 8.07 in (186 mm x 90 mm x 205 mm)					
Weight	2.28 KG (without battery)					
AC Power	Input: 100 to 240 VAC, 50/60 Hz 2.0A Output: 21 VDC, 5.0 A					
DC Power	Input 12 – 24 VDC Output 21VDC, 5.0 A					
Sound Level	≤ 60 dB					
Power Consumption	90 W					
Battery power	18.5 V, 5000 mAh					
Battery weight	433 g					
Battery Duration	Setting 3 @1000 ml 5 cell: 120 mins 10 cell: 240 mins					
IoT (The Internet of Things)	Support users control machines by mobile phone Reserve data of user's breath for treatment Monitor inside parts real-time to simplify maintenance Retain future function development					
Alarm	Low oxygen alarm, Low battery power alarm, High temperature alarm					

Cleaning, Care & Routine Maintenance

Routine Maintenance

Servicing of the internal components inside the cabinet of the SG02L must be conducted by a Lovego trained and qualified service technician as needed.

Preventative Maintenance (PM) to be completed on an annual or yearly basis. Consult your provider to arrange PM schedule. Your home care provider or qualified technician will perform inspections of the alarms, battery, and other internal parts only as needed.

User Care and Cleaning of the Device

Cannula Replacement

Replace your supply tubing and cannula on a regular basis as recommended by your home care provider. Your physician or home care provider will provide you with cleaning, disinfection and replacement information.

Note: Always follow the cannula manufacturer's instructions for proper use. Replace the disposable cannula as recommended by the cannula manufacturer or your Equipment Provider. Additional supplies are available from your Equipment Provider.

Air inlet and Exhaust outlet cleaning

Ambient air is drawn into the device through the air inlet and the air is exhausting through the exhaust outlet, both are located in the front rear of the device. Cleaning the air inlet/outlet is the most important maintenance activity you will perform as a user. Cleaning the air inlet/outlet will keep your SG02L performing properly. Check this air inlet every week and clean it at least once a week using a hairbrush to clean or car cleaning gels. Conduct a major cleaning every year.

Compressor inlet filter cotton

For every 1000 hours, contact your SG provider to clean or replacement

AC Power Supply, DC Power Supply, Power Cord and Outer Case:

Turn OFF the SG02L and disconnect from AC or DC power before any cleaning or disinfection activity. DO NOT spray the outer case directly. Use a damp (not wet) cloth or sponge. Spray the cloth or sponge with a mild detergent solution to clean the cabinet and power supplies. To disinfect the SG02L, use disinfectant. Proceed as directed by the cleaner manufacturer.





WARNING: ELECTRICAL SHOCK HAZARD. TURN OFF THE UNIT AND DISCONNECT THE POWER CORD FROM THE ELECTRICAL OUTLET BEFORE YOU CLEAN THE UNIT TO PREVENT ACCIDENTAL ELECTRICAL SHOCK AND BURN HAZARD. ONLY YOUR EQUIPMENT PROVIDER OR A QUALIFIED SERVICE TECHNICIAN SHOULD REMOVE THE COVERS OR SERVICE THE UNIT. DO NOT USE LIQUID DIRECTLY ON THE UNIT.

WARNING: ELECTRICAL SHOCK HAZARD. DISCONNECT THE POWER CORD FROM THE ELECTRICAL OUTLET BEFORE YOU CLEAN THE UNIT TO PREVENT ACCIDENTAL ELECTRICAL SHOCK AND BURN HAZARD. ONLY YOUR EQUIPMENT PROVIDER OR A QUALIFIED SERVICE TECHNICIAN SHOULD REMOVE THE COVERS OR SERVICE THE UNIT.

WARNING: CARE SHOULD BE TAKEN TO PREVENT THE OXYGEN CONCENTRATOR AND THE BATTERY FROM GETTING WET OR ALLOWING FLUIDS TO ENTER THE UNIT. THIS CAN CAUSE A MALFUNCTION OR SHUT DOWN, AND CAUSE AN INCREASED RISK FOR ELECTRICAL SHOCK OR BURNS.

WARNING: CLEAN THE CABINET, CONTROL PAN, AND POWER CORD ONLY WITH A MILD HOUSEHOLD CLEANER APPLIED WITH A DAMP (NOT WET) CLOTH OR SPONGE, AND THEN WIPE ALL SURFACES DRY. DO NOT ALLOW ANY LIQUID TO GET INSIDE THE DEVICE. PAY SPECIAL ATTENTION TO THE OXYGEN OUTLET FOR THE CANNULA CONNECTION TO MAKE SURE IT REMAINS FREE OF DUST, WATER, AND PARTICLES.

WARNING: DO NOT USE LIQUID DIRECTLY ON THE UNIT.

Battery Power

The Battery in the SG02L requires special care to assure a longer life and the highest level of performance. The Lovego Battery is the only approved Battery recommended for use with the SG02L. Use a damp (not wet) cloth or sponge to clean the Battery. First spray the cloth or sponge with a mild detergent, clean the Battery case and the latch.

If the battery is not used for a long time, please remove it from the equipment and protect the battery electrode from contact with metal and other conductors. Keep the battery out of the reach of children to avoid danger

The battery that has not been used for a long time should be charged and maintained regularly. It is recommended to charge it to full every 6 months.

Battery Disposal

Your Battery is rechargeable and can be recycled. Always return it to your home care provider for proper disposal. You can also contact your local city or town offices for instructions on proper disposal of the Battery.

Warranty

For the model SG02L, it has two years warranty for the machine (Molecular sieve is excluded) from the date of purchase. The accessories (battery, battery charger, DC adapter) are warranted to be free from defective workmanship and parts for a period of two years from date of purchase

If the Molecular Sieve is out of effect in one year, it will be replaced completely free. For more than one year, the replacement will be charged. It is suggest to use your SG02L more than 2 hours per time.

The above policy is inapplicable to the clients who pay on prolong warranty.

Online Support

@Email: service@lovegopoc.com, Any questions when using Lovego SG02L portable oxygen concentrator or feedbacks, suggestions and complaints, you can contact Lovego service department.