



Patient Pocket guide




Series Ventilators




SUMMARY


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Quick Start:

In case of emergency, the ventilation module can be directly turned on simply by pressing the  button on the module keyboard.



1 Press  on the front panel keyboard to turn on the device. The home screen displays.

To start ventilation
Click on  on the keyboard or on the fan icon found on screen display.

INDICATIONS FOR USE

The EO-150 ventilator provides continuous or intermittent ventilation support for pediatric and adult patients weighing at least 3.5 kg (8 lbs) who require mechanical ventilation. The EO device is intended to be used in home, institution and hospital for both invasive and non-invasive ventilation.

General warnings and cautions

Clinician must read and understand the entire manual before using the EO-150 ventilator

The EO-150 ventilator is a restricted medical device intended for use by qualified trained personnel, under the direction of a doctor.

Use the EO-150 ventilator only as directed by a doctor or healthcare provider.

Information in this guide does not supersede instructions given by the prescribing doctor.

Install and configure the EO-150 ventilator in accordance with the instructions given in the User's manual. Non-specialist operators or institutions encountering problems with set-up, operation or maintenance should immediately contact their EOVE representative.

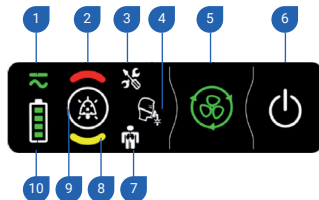
An alternative mean of ventilation should always be available for ventilator-dependent patients. Failure to do this may result in patient injury or death.



- | | |
|--|------------------------------|
| 1 Display screen | 4 EO device housing unit |
| 2 Ventilation module | 5 Inspiratory / Circuit Port |
| 3 Proximal pressure, valve, and proximal flow connectors | 6 Menu bar / keyboard |




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|---------------------------|--|
| 1 Air inlet and filter | 4 O ₂ input |
| 2 AC / DC Power connector | 5 FIO ₂ /SpO ₂ connector |
| 3 USB port | 6 Remote Alarm connector |






- | |
|-----------------------------------|
| 1 Power source indicator |
| 2 High priority alarm indicator |
| 3 Technical alarm indicator |
| 4 Circuit alarm indicator |
| 5 Ventilation start / stop |
| 6 ON / OFF switch |
| 7 Physiological alarm indicator |
| 8 Medium priority alarm indicator |
| 9 Alarm reset |
| 10 Battery life indicator |

Turning ON the device


Ensure that the device has been charged prior to use or connect to AC power or DC connector inlet. If the Home Screen is turned off, press the **STANDBY** Button until it turns on before turning on the device.

1. Insert AC connector into power inlet.
2. Turn the screw lock clockwise to secure.
3. Device will turn on automatically. If starting on battery, press  on front panel keyboard to power on the ventilator.


Turning OFF the device using the keyboard

1. Press  and hold until the **ALARM** key  flashes.
2. Press  to confirm.
3. The ventilator turns off.


Turning OFF the device using the Touch Screen

1. Press  and hold until the circle becomes red.
2. Validate the ventilator's stop.
3. The ventilator turns off and the screen turns into deep sleep mode.



To start ventilation using the Touch Screen

1. Press  on the touch screen
2. Ventilation starts


To start ventilation using the keyboard

1. Press  on the keyboard
2. Ventilation starts


To stop ventilation using the Keyboard

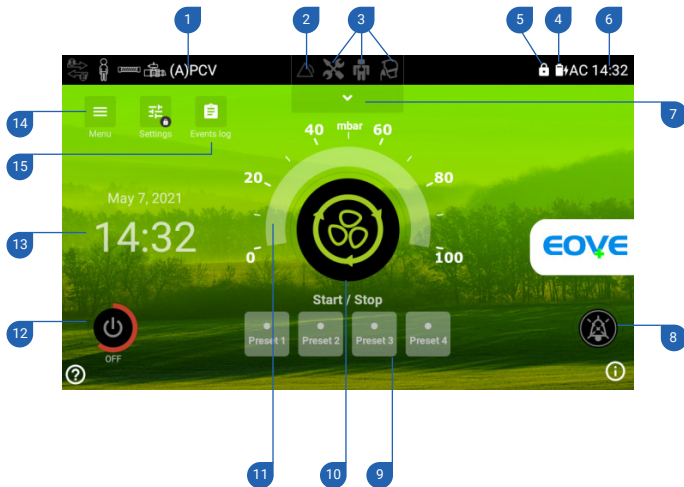
1. Press and hold  until the alarm key flashes.
2. Press  to confirm.
3. Ventilation stops.

To stop ventilation using the Touch Screen

1. Press and hold  until:
 - The red line around the **START/STOP** key completes a full circle.
2. The pop-up on the screen will ask you to validate your choice.
3. Ventilation stops.


On the home screen, the user can find important information regarding the alarms (2, 3, 7), the ventilation pressure (11), the preset modes set up by your clinician (9), the button for choosing your preferences and options and calibrating the ventilator in case of circuit change (14).

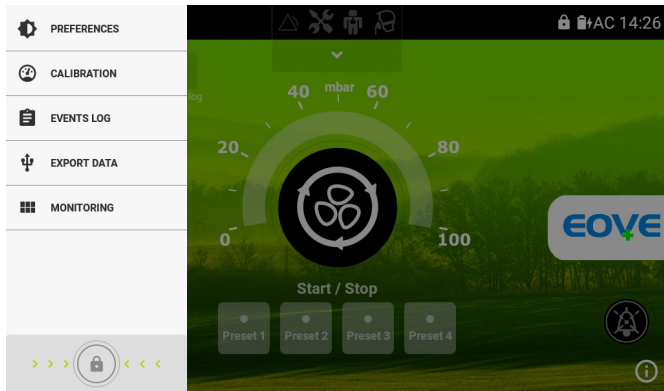
The Home Screen is accessible from all other screens by pressing .



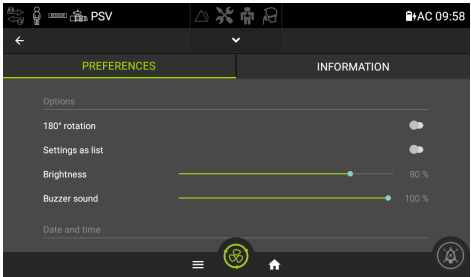
- | | |
|---|---|
| 1 Patient, circuit and ventilation mode indications. | 9 Preset mode menu (1-4): Presets installed by the clinician and accessible by the patient when needed. |
| 2 Alarm signal: Lights up when there is an active alarm. | 10 Start / Stop button: Starts or stops ventilation. |
| 3 Alarm indicators: Indicates the type of alarm (technical, physiological, interface). | 11 Airway pressure indicator: Indicates the pressure of the delivered breath. |
| 4 Battery life indicator: Indicates the level of charge left in the battery or whether the battery is charging. | 12 Power Off button. |
| 5 Clinical mode: Indicates whether the clinical menu is locked or unlocked. | 13 Time and date: Can be set and changed from the Patient Preferences Menu |
| 6 Time: Indicates the time on 24hr clock. This can be set up and changed from the Patient Preferences Menu. | 14 Menu button: Allows access to patient screen and clinical menus. |
| 7 Alarm log tab: Use to access the alarm log screen. Flashes red when there is an alarm not yet reviewed. | 15 Event log: Indicates the latest events of the device. |
- 8 Alarm inhibition and pre-inhibition button:
Lights up with the alarm color when there is an active alarm. Stop the alarm sound or stop all the alarms sounds for the next two minutes.

From this screen you can change preferences and calibrate the ventilator in case of circuit change.

From the Home Screen, choose  to access the Preferences, Calibration, Events Log or Trends menus.



From this screen the patient can adjust the following settings for the device.



| | |
|------------------------|--|
| Rotation of the screen | Allows the screen to be rotated 180°. Press the small circle to rotate the screen. |
| Brightness/ Contrast | Allows brightness levels from low to high. Simply swipe the blue circle from left to right to choose the preferred brightness. |
| Sound | Adjustable sound level for alarms. |
| Current Date | Sets the current day, month and year. To set the date, click on the text and choose the date from the calendar. Press done when completed. |
| Current Time | Sets the current time on 24 h clock. To set the time, choose the time from the dial and press done when completed. |

The circuit calibration checks the characteristics of the circuit configuration and must be executed after each circuit configuration change.



Follow the **2 steps** calibration processes when prompted and push on "Result" to go back to the home page

NOTE: If a "caution" or "warning" appears on the touch screen after a calibration, ventilation can proceed. Contact your service provider to report the event.

Using Supplemental Oxygen inlet

WARNING

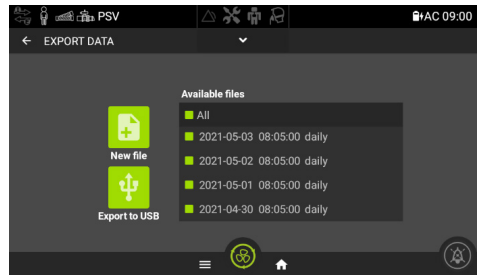
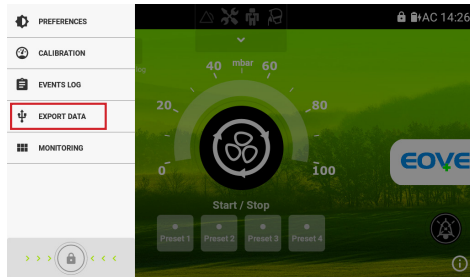
- Use only medical grade oxygen.
 - Ensure that the device is ventilating before the oxygen supply is turned on.
 - The oxygen flow must be turned off when the device is not ventilating so that oxygen does not accumulate within the device. The accumulation of oxygen presents a fire risk.
-
- Plug in the oxygen adaptor (supplied with the EO 150) to the oxygen inlet 4.
 - Attach the end of the oxygen supply tube to the oxygen adaptor.
 - Attach the other end of the oxygen supply tube to the oxygen source.
 - Start ventilation.
 - Turn on the oxygen and adjust for the prescribed flow rate or FiO_2 level.
 - Make sure that the oxygen source has been switched off before turning off the ventilation.



- 1 Air inlet and pollen filter
- 2 AC / DC Power connector
- 3 STANDBY Button
- 4 O_2 input
- 5 FiO_2 / SpO_2 connector
- 6 Remote Alarm connector

Export **ventilation data** with a USB key

- 1 Insert a USB key in the USB port at the rear of the device
- 2 In the menu tab, select “export data”
- 3 Select “export on USB key” to copy files on the USB key



Export **ventilation data** with a USB key

NOTE:

The device saves a data file each day. It's possible to manually save a new file by pushing on the "new file" button. Each files contains the last 24 hours of detailed waveforms data and up to one year of trends. The device memory is able to store up to 31 files.

CLEANING AND DISINFECTION OF THE DEVICE

Should be performed regularly. For that, wipe the exterior of the device with a damp cloth using a mild cleaning solution.

WARNING

Do not spray any solution inside the docking station when the ventilation module is removed.
Use only a damp cloth with a mild cleaning solution.

STORAGE

If storing your device, recharge the internal battery according to the stickers (once every 2, 4 or 6 months).

Never store a device with an empty battery.

This image shows a full page of white paper with horizontal dashed lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTE

A series of 18 horizontal dotted lines for taking notes.

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