Trilogy ventilator

Patient leaflet
The Trilogy ventilator will continuously support you
Trilogy provides continuous respiratory support up to 24 hours a day, 7 days a week.

Trilogy ventilator will be with you wherever you go.
Trilogy is a portable ventilator weighting less than 5kg. It is fitted with both internal and detachable batteries, providing up to 6 to 8 hours of autonomy. Additional detachable batteries are available to provide you with continuous autonomy for more freedom. The internal battery secures your ventilatory support with an additional back up power source should the detachable battery run out of power.

Trilogy ventilator will allow your physician to have a closer look into your respiratory therapy and ensure you receive the best care.
Trilogy includes an SD card that can record up to one year of data so that physicians have a complete view of your breathing patterns and can make any necessary adjustments to maintain the best possible therapy.
Set-up

1 Connect your circuit to the air outlet

Passive Circuit

If you have a single tube, you simply need to connect the tube to the air outlet. An exhalation port will need to be connected directly to your tracheostomy tube or mask (unless your mask already has an integrated leak*).

* It is important to make sure that the leak hole is not blocked off to allow exhalation.

Active Circuit

If using the circuit with a valve:
- Connect tube A to the air outlet.
- Connect pressure line B to the top connector.
- Connect valve line C to the bottom connector.
- Connect to the valve and to your mask or tracheostomy tube.
Connect your oxygen supply

If you have been prescribed supplemental oxygen, connect the oxygen source to the oxygen inlet located at the back of the ventilator.

Turn on the oxygen source to the prescribed flow rate.*

* Check your prescribed flow rate in the "Prescription (2)" section.
Getting started

To start your ventilation

1. Press the on/off key to start ventilation.
2. Scroll up or down to access the set up menu.
3. Always check the power supply.

Make sure the internal battery is charged and the detachable battery is at least partially charged, or plug the ventilator to AC power.

**Battery power**
- Shows battery is fully charged
- Shows battery is charging
- Shows battery is empty

To secure the power cord, use the cord retainer as shown below.
To navigate between the different menus

1. Press Exit to go back to main screen.

2. Scroll up or down to go through sub-menus or change settings.

3. Press Select to enter a sub-menu and confirm settings.
Change settings

To switch to secondary settings

1. If you have a dual prescription*, navigate to “switch to primary/secondary settings” to switch from one ventilation mode to another.

2. Confirm your selection when prompted.

* Please refer to the “Prescription (2)” section to check when to switch from primary to secondary settings.

To modify my settings

1. The “My Settings” sub-menu gives you access to comfort settings*.

* Do not modify comfort settings without the advice of your physician.
Configure your ventilator

To modify the options of your ventilator

The Options menu allows you to configure your Trilogy according to your needs and preferences.

- **Alarm volume** can be set to *loud* or *soft*.

- **Keypad lock** allows you to disable the front keys panel during operation to avoid inadvertently changing the settings when the unit is on.

- **Keypad backlight** can be enabled or disabled.

- **LCD brightness** can be set from *dim (1)* to *bright (10)*.

- **Screen saver** (active after 5 minutes of no keypad activity):
  - Off (no screen saver)
  - Breath (only the bar graph appears, as shown here)
  - Black (black screen)
  - Dim (dimmed screen)
To remove your SD card

If your homecare provider or physician asks you to send your SD card to review your therapy, carefully follow the next steps:

1. Navigate through the menu to “safely remove the SD card”.
2. Confirm your selection when prompted.
3. Open the door at the left side of the ventilator and remove the SD card.
4. Place the SD card in a protected mailer and return to your homecare provider or physician.
### Prescription (1)

#### Circuit type
- [ ] Passive
- [ ] Active
- [ ] Active flow

#### Ventilation mode
- **Pressure modes:**
  - [ ] CPAP
  - [ ] S
  - [ ] S/T
  - [ ] T
  - [ ] PC
  - [ ] PC-SIMV
- **Volume modes:**
  - [ ] VC
  - [ ] AC
  - [ ] SIMV
  - [ ] AVAPS-AE

#### MPV
- [ ]

#### Ventilation parameters

<table>
<thead>
<tr>
<th>A. If pressure mode selected</th>
<th>B. If AVAPS is on</th>
<th>C. If volume mode selected</th>
<th>D. If AVAPS-AE selected</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IPAP</strong> cmH₂O</td>
<td><strong>Target Vte</strong> ml</td>
<td><strong>vt</strong> ml</td>
<td><strong>AVAPS rate</strong></td>
</tr>
<tr>
<td>[ ] SIMV</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>AVAPS rate</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>IPAP min</strong> cmH₂O</td>
<td><strong>IPAP max</strong> cmH₂O</td>
<td></td>
<td><strong>Max pressure</strong> cmH₂O</td>
</tr>
<tr>
<td><strong>Target Vte</strong> ml</td>
<td></td>
<td></td>
<td><strong>Pressure support max</strong> cmH₂O</td>
</tr>
<tr>
<td><strong>IPAP max</strong> cmH₂O</td>
<td></td>
<td></td>
<td><strong>Pressure support min</strong> cmH₂O</td>
</tr>
<tr>
<td><strong>Flow pattern</strong></td>
<td></td>
<td></td>
<td><strong>EPAP max</strong> cmH₂O</td>
</tr>
<tr>
<td>[ ] ramp</td>
<td></td>
<td></td>
<td><strong>EPAP min</strong> cmH₂O</td>
</tr>
<tr>
<td>[ ] square</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] on</td>
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<td></td>
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<tr>
<td>[ ] off</td>
<td></td>
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<td></td>
</tr>
<tr>
<td><strong>Sigh</strong> on/off</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SIMV</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Pressure support</strong> cmH₂O</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

#### Trigger
- [ ] Flow
- [ ] LPM
- [ ] Cycling %
- [ ] AutoTRAK
## Prescription (2)

### Alarms

<table>
<thead>
<tr>
<th>Alarm</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disconnect</td>
<td>sec</td>
</tr>
<tr>
<td>Low insp pressure</td>
<td>cmH₂O</td>
</tr>
<tr>
<td>High insp pressure</td>
<td>cmH₂O</td>
</tr>
<tr>
<td>Apnea</td>
<td>sec</td>
</tr>
<tr>
<td>Apnea rate</td>
<td>BPM</td>
</tr>
<tr>
<td>Low Vt</td>
<td>ml</td>
</tr>
<tr>
<td>High Vt</td>
<td>ml</td>
</tr>
<tr>
<td>Low minute ventilation</td>
<td>l/min</td>
</tr>
<tr>
<td>High minute ventilation</td>
<td>l/min</td>
</tr>
<tr>
<td>Low respiratory rate</td>
<td>BPM</td>
</tr>
<tr>
<td>High respiratory rate</td>
<td>BPM</td>
</tr>
</tbody>
</table>

### Double prescription

Primary settings from: __________ H ________ to __________ H ________

Secondary settings from: __________ H ________ to __________ H ________

### Oxygen supply

Oxygen rate __________ LPM
# Alarms

To silence alarm, press alarm indicator/ audio pause button or press left (reset) button to reset alarm.

<table>
<thead>
<tr>
<th>Screen display or error</th>
<th>User action</th>
</tr>
</thead>
</table>
| Loss of power           | Press *start/stop* button.  
                          | If using AC power, try plugging device into alternate AC power source.  
                          | If loss of power continues, connect a fully charged detachable or external battery to the device or connect patient to an alternate source of ventilation while contacting homecare provider or healthcare specialist. |
| Device shuts down       | Press *start/stop* button.  
                          | If using AC power, try plugging device into alternate AC power source.  
                          | If loss of power continues, connect a fully charged detachable or external battery to the device or connect patient to an alternate source of ventilation while contacting homecare provider or healthcare specialist. |
| Low battery             | Switch to an alternate battery, or switch to AC power source and recharge low battery. |
| Ventilator inoperative  | Select **right** button to shut off device and silence alarm.  
                          | Connect patient to alternate source of ventilation and contact homecare provider or healthcare specialist. |
| Ventilator service required | The machine has to be serviced.  
                          | Connect patient to alternate source of ventilation and contact your healthcare professional as soon as possible. |
| High temperature, or battery not charging due to high temperature | Make sure tubing is not under any bedding. Check inlet filter and clean or replace it if needed.  
                          | Make sure cooling vents are not blocked.  
                          | If the ventilator is running off of the internal or detachable battery, move to a cooler location and/or power the device with AC power or a lead-acid battery. |
| High or low expiratory pressure | Make sure tubing is not kinked or pinched.  
                          | If alarm continues, clinician should verify patient status. |
| High Vt or low Vt       | Press **left (reset)** button to reset alarm.  
                          | If alarm continues, clinician should verify patient status. |

If the alarm continues, contact homecare provider or healthcare specialist.
## Alarms (cont.)

To silence alarm, press alarm indicator/ audio pause button 🗿 or press left (reset) button to reset alarm.

<table>
<thead>
<tr>
<th>Screen display or error</th>
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</table>
| Apnea                     | If using an active circuit, check proximal pressure line to ensure it is not pinched or has water condensation.  
                            | If alarm continues, clinician should verify patient status.                                                                                   |
| Check circuit             | Check patient circuit to make sure it is set up as your healthcare professional specified (check circuit set-up section).  
                            | Make sure there is no kinked or pinched tubing. Make sure tubing is properly attached.  
                            | Make sure all tubing and exhalation devices are clean and free of condensation.  
                            | If using active exhalation circuit, make sure diaphragm is inserted correctly and is not wrinkled or kinked. |
| Low Circuit Leak          | If using a mask with integrated leak port, check to make sure leak holes are not obstructed. If using a mask without integrated leak or a trach, make sure the circuit is correctly set up and the exhalation port is well connected. Make sure exhalation device is clean and functioning properly. |
| Circuit Disconnect        | Check breathing circuit and reconnect it if it has become disconnected, check mask seal or tracheostomy connection, or fix the leak.            |
| High Internal Oxygen      | Disconnect supplemental oxygen from device.  
                            | Check external oxygen connection; reconnect.  
                            | If alarm continues, disconnect supplemental oxygen and contact your homecare provider or healthcare specialist. |
Cleaning

To clean your Trilogy

Make sure the device is unplugged before cleaning it.

Use a damp cloth and a soft detergent to clean the front panel and exterior of the enclosure. Do not allow any liquid to drip into the ventilator case or detachable battery pack. After cleaning, use a soft, dry cloth to remove any residual cleaner. Use extra care when cleaning the display as abrasive cleaners can scratch the display. Allow the device to dry completely before plugging in the power cord.

Caring for your filter

Remove the filter from the enclosure. Examine the filter for cleanliness and integrity. Wash in warm water with a mild detergent. Rinse thoroughly to remove all detergent residue. Allow the filter to air dry completely before reinstalling it. If the foam filter is torn or damaged, replace it.