
 Flight Medical®	Flight 60T SW Release Note for SW Ver. 5.39
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*Flight 60 Turbine SW Version
Release
Version 5.39*

This document is the release note for SW version release #5.39 for Flight-60 Turbine ventilator.

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1 CHANGES TO RELEASE

1.1 SW changes:

1.1.1 Bug fixing

1.1.1.1 High/Low FiO2 alarm limits in HFOT

High/Low FiO2 alarms were disabled in HFOT. These Alarms are now active during HFOT for all configurations.

1.1.1.2 Wrong display of O2% value in numeric screen

If FiO2 sensor is out of calibration, the O2 consumption was displayed instead of the O2% values (only in numeric screen layout, graphs layout was correct). This bug is now fixed.

1.1.2 New Features

1.1.2.1 HFOT is available for devices with no internal mixer

In devices with no internal mixer HFOT is now available.

In this configuration the user cannot set the O2 percentage. The actual O2 is measured and presented to the user. There are 2 option for O2 connection:


1. External mixer connected – setting the O2 percentage with the knob of the external mixer.
2. CPC Low Flow Port - Oxygen concentrator giving a constant oxygen flow via CPC Low Flow port.

Flow is set by the user using touch screen UI.

1.1.2.2 HL7 connectivity

Sending data in an HL7 protocol format to the hospital server, the following data is sent:

- a. Settings
- b. Actuals
- c. Alarms

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- d. Device status
2. Connectivity options:
 - a. LAN
 - b. WiFi
3. New HL7 configuration screen added to the service screens.
4. Data sent can be configurable by the user (choosing the parameters to be sent).

2 OPERATING SYSTEM SUPPORTED

Flight 60T – Turbine all versions

3 SYSTEM REQUIREMENTS

Kit-0116 Communication Upgrade Kit for Flight 60T is needed to get the HL7 functionality. This Kit can be used to upgrade existing ventilators.

4 NEW OR DROPPED FEATURES

No dropped features

5 KNOWN ISSUES AND LIMITATIONS

- “Network” window may display the "Connected" message when not connected - if “Wi-Fi”/Ethernet” reselected the right indication will be shown.
- The alarm sensor remains on after Shut Down (on the AC), if before Shut Down there was a warning "Check O2 Supply".
- False alarm "High pressure" appears for a few seconds after the end of the Pressure Relief calibration.
- “VT Not Reached” alarm doesn't appear in PRVC


6 FILES ISSUED

fm02539.pkg


7 DEPLOYED INSTRUCTIONS

7.1 Software Upgrade required equipment:

USB storage device with the SW version (**fm02539.pkg**)

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7.2 Installing the SW upgrade

- Verify the batteries charge percentages are above 50%.
- Turn off the ventilator, disconnect from AC.
- Copy the new SW version (**fm02539.pkg**) to a USB storage device.
- Plug the USB storage device to the vent USB port.
- Connect the ventilator to AC.
- The ventilator powers up and a software update screen opens, displaying the current version and the new version to update.
- Press OK on the touch screen.
- Once upgrade is done, the ventilator displays " Finished updating, please remove DOK"
- Remove the USB storage device and press **OK** on the touch screen.
- Turn on the ventilator, press **Technical** /  and press **Show Info**.
- Verify the new software version is displaying.

8 RELATED DOCUMENTATION

- Operating Manual - LIT-0089 B15
- Service Manual - LIT-0113 A12