How do you upgrade the firmware on the Rigel 288+/62353+?

Please check your firmware before proceeding with this document. The firmware appears during the instrument's start up.
288 and 62353 firmware up to 5.xx firmware is not compatible with 288+ and 62353+ 6.xx or 8.xx firmware.

If the 288+ has firmware **6.xx**,follow the instructions in **Section A**.

If the 288+ has firmware **8.xx**,skip to the instructions in **Section B**.

288+s with 6.xx firmware are not compatible and will not update to 8.xx firmware.

SECTION A. 6.xx Firmware

Equipment Required:

- Rigel 288/62353
- PC with Bluetooth connectivity or RS-232 download lead (P/N 331A952)
- Rigel 288/62353 Firmware 6.xx file (Downloadable from the Rigel medical website)
- Data Transfer.exe program (Also available on the Rigel medical website)

Note: Ensure the Rigel 288/62353 is connected to the mains supply before attempting the firmware upgrade.

1) Power on the Rigel 288/62353 in upgrade mode (Hold 'U' and power on the unit using the GREEN ON key)

2) Press F1 for Menu
3) Scroll down to Bluetooth Pairing and Pressure F2 to Accept

Note: This option is only available for the Rigel 288. Therefore if upgrading a Rigel 62353 ignore the Bluetooth pairing process and proceed to step 10: Code Update Menu.

4) Press F4 Config. To configure the Bluetooth connection. Wait for the OK message before proceeding
5) Press F3 to Search for your Bluetooth enabled PC
6) Once the search has completed, Use the <> keys to identify your PC device in the menu
7) Press F2 to Connect to your device. The Bluetooth symbol will appear in the top right corner of the Rigel screen when pairing is successful

Note: If the symbol does not appear, check to see if pairing needs to be confirmed on the PC.

8) Press F1 Esc to return to the menu
9) Press F1 for Menu
10) Press F2 for Code Update. Wait for confirmation of the current version of Rigel 288/62353 firmware before proceeding
11) Select either Bluetooth or RS-232 connection using the <> menu
12) Open the Data Transfer .exe program on the PC. Select the correct COM port

Note: COM1 is for RS-232 connection.

13) Go to File>Code Update and locate the updated Firmware file and select Open

Note: the message 'erasing' will appear on the Data Transfer program and on the Rigel 288/62353 screen, shortly followed by 'Programming'.

14) Wait for the process to complete and then select F4 to Accept
15) Once the transfer is complete, power off the Rigel 288/62353 and restart in the normal mode

SECTION B. 8.xx Firmware

Equipment Required:

- Rigel 288+/62353+
- PC with Bluetooth connectivity or RS-232 download lead (P/N 331A952)
- Rigel 288+/62353+ Firmware 8.xx file (Downloadable from the Rigel medical website)
- R288FirmwareLooader.exe program (Also available on the Rigel medical website)

Note: Ensure the Rigel 288/62353 is connected to the mains supply before attempting the firmware upgrade.

16) Power on the Rigel 288+/62353+ in upgrade mode (Hold 'U' and power on the unit using the GREEN ON key)
17) Press F1 for Menu
18) Scroll down to Bluetooth Pairing and Pressure F2 to Accept

Note: This option is only available for the Rigel 288+. Therefore if upgrading a Rigel 62353 ignore the Bluetooth pairing process and proceed to step 10: Code Update Menu.

19) Press F4 Config. To configure the Bluetooth connection. Wait for the OK message before proceeding
20) Press F3 to Search for your Bluetooth enabled PC
21) Once the search has completed, Use the <> keys to identify your PC device in the menu
22) Press F2 to Connect to your device. The Bluetooth symbol will appear in the top right corner of the Rigel screen when pairing is successful

Note: If the symbol does not appear, check to see if pairing needs to be confirmed on the PC

23) Press F1 Esc to return to the menu

24) Press F1 for Menu

25) Press F2 for Code Update. Wait for confirmation of the current version of Rigel 288+/62353+ firmware before proceeding

26) Select either Bluetooth or RS-232 connection using the <> menu

27) Open the R288FirmwareLoader.exe program on the PC. Select the correct COM port

Note: COM1 is for RS-232 connection.

28) Press … box to locate the updated Firmware file and select Open

29) Press the Connect box to pair devices

30) Press the Upload box to upload the selected firmware

If you require more help, please contact us at https://www.seaward.com/us/enquire/.