

How to upload firmware to the FLX100 plus

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There are two firmware files used on the Leica Zeno FLX100 plus. They are used to control the onboard system and the GNSS module.

The latest versions of the firmware are:

System: 1.0.0.24.240822.1

GNSS: HPG 1.32

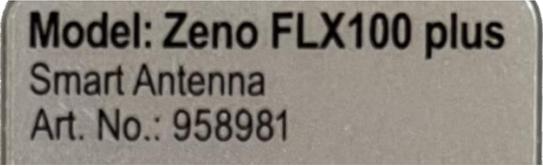
There are **two variants** of the FLX100 plus. Make sure to find out which version of the antenna you have and to use the correct System firmware file.

There are two methods to upload the firmware to the FLX100 plus via Bluetooth or cable. This document will explain the upload process for both methods.

Please note that the firmware files must be uploaded one after the other. They cannot be done at the same time.

1. Selecting the correct System firmware version

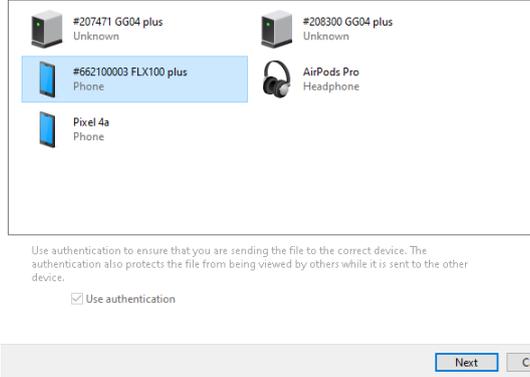
There are two variants of the FLX100 plus which need different System firmware. To find out which version you have, follow these instructions. Both versions use the same GNSS firmware.

1.	Look at the sticker in the back of the device.
2.	If the sticker displays Art. No.: 958981 , use the firmware file under System > Art. No. 958981 
3.	If the sticker displays Art. No.: 1000242 , use the file under System > Art. No. 1000242 

2. Bluetooth

Send firmware to FLX100 plus by Bluetooth.

1.	Unzip the file 'FLX100 plus Firmware.zip' to your computer.
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	There are 2 folders named 'System' for the system firmware and 'GNSS' for the GNSS firmware.
2.	Ensure the FLX100 plus is turned on.
3.	Depending on which firmware you want to upload, open the folder and right-click on the file named 'update.bin'.
4.	Choose Send to > Bluetooth device 
5.	Select the corresponding serial number of the FLX100 plus in the Bluetooth File Transfer window. 
6.	Click Next.
7.	The firmware file is sent to the FLX100 plus. It takes approximately 5 minutes.
8.	Click Finish in the Bluetooth File Transfer window once the transfer has completed.

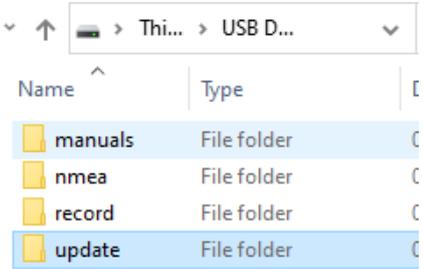
Install Firmware.

9.	Now the firmware has been transferred, turn the FLX100 plus off and on again.
10.	Once turned on again, the LEDs on the antenna flash one after the other for a few seconds.
11.	When the firmware has successfully installed, the LEDs stop flashing and the antenna sounds a beep.
12.	If you want to upload a second firmware file, repeat the above steps 1 – 11.
13.	To check the firmware versions on the antenna, pair the FLX100 plus with Zeno Mobile One or Zeno Connect and check the antenna info page in the antenna settings menu.

 Info
Name: #662200062 FLX100 plus Type: Multi Frequency Firmware: 1.0.0.24.240822.1 / HPG 1.32 Serial number: ZF10P662200062 Configuration: GPS/Glonass/Galileo/BeiDou/QZSS

3. Cable

Send firmware to FLX100 plus by USB C cable.

1.	Unzip the file 'FLX100 plus Firmware.zip' to your computer. There are 2 folders named 'System' for the system firmware and 'GNSS' for the GNSS firmware.
2.	Ensure the FLX100 plus is turned on.
3.	Attach the USB C cable to the FLX100 plus and your computer.
4.	Depending on which firmware you want to upload, copy the file named 'update.bin' to the folder name 'update' on the FLX100 plus. 

Install Firmware.

5.	Now the firmware has been copied, remove the cable from the FLX100 plus and turn it off and on again.
6.	Once turned on again, the LEDs on the antenna flash one after the other for a few seconds.
7.	When the firmware has successfully installed, the LEDs stop flashing and the antenna sounds a beep.
8.	If you want to upload a second firmware file, repeat the above steps 1 – 8.

9. To check the firmware versions on the antenna, pair the FLX100 plus with Zeno Mobile One or Zeno Connect and check the antenna info page in the antenna settings menu.

