

How to program an image on the SD disk on the vessel (4)

SD card installation from Windows [↗](#)

Prepare your image file [↗](#)

Check your INS image by going to the diagnostics page and look at the software versions on the bottom right.

Look for Firmware MB-I102-XXX Where XXX is the version of the OS image in use.

Check this against the version supplied by SKIPPER

Download it from this account

[🔒 MB-I102_1.0.0.rootfs.wic.gz](#)

The file is 1.64 GB

Also download the latest software from the skipper web

[🔒 SW-I002_1_1_1_0_update.tar.bz2.enc](#)

Extract [↗](#)

Extract using 7-Zip if needed (the file should be a .wic file, **not .gz**)

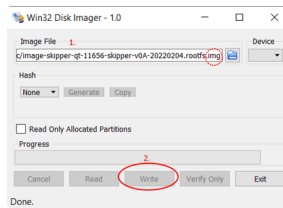
Download here ([🔒 Download](#))

If your image and software is being upgraded, note the important settings in your unit (easiest to take a photo of each)

- Communications , Which NMEA messages are active on NMEA 1, NMEA 2, ETH0, ETH1, Pulse
- Calibration - Speed - Zone 1, Zone 2, Zone 3, Zone 4, Zone 5
- Calibration installation angle - Zone 1, Zone 2, Zone 3, Zone 4, Zone 5
- System setup - all parameters

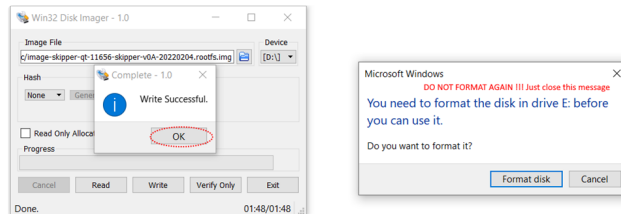
Write to SD card [↗](#)

1. Set SD card in your PC
2. Start "SD Card Formatter" and format SD-card (download here: [SD Memory Card Formatter for Windows Download | SD Association](#) [n](#))
3. Start "Win32DiskImager, (Download here: <https://sourceforge.net/projects/win32diskimager/files/latest/download>)
 - a. Change the file type to ***.* all files**
 - b. Select your downloaded unzipped file and select your ".wic" file (note **not the .gz**, that is compressed)



Select the .img or .wic file
(not .gz) - Press Write

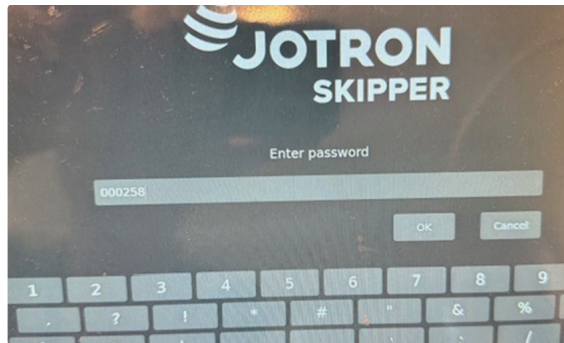
After successful writing:



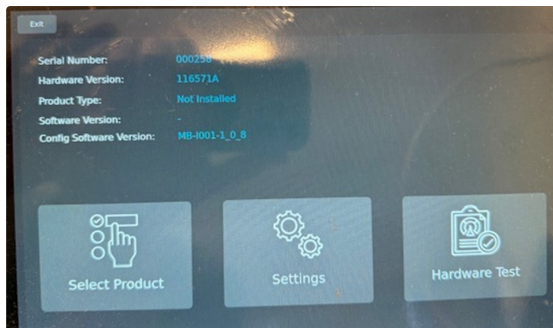
If you get new format popup , just cancel

Loading onto the unit: [🔗](#)

- Insert the SD card into the Unit, and power on.
- CU-M101 will load the system and start to 'config app'.



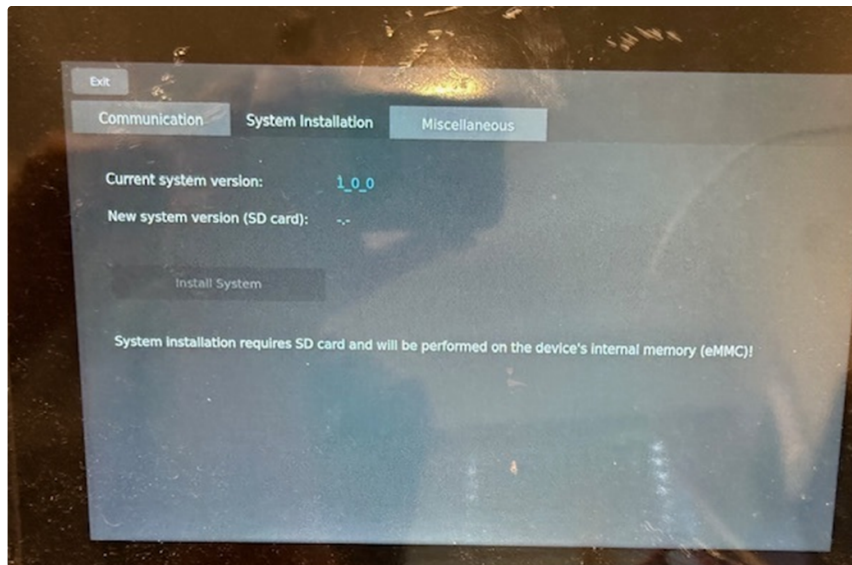
- Enter config app using the serial number with all '0's i.e 000123 n config app you



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- Permanent installation - enter the settings button and the system installation tab. Press 'Install system' This will take about 3 minutes, - The OS will transfer to internal memory.

- once the system reboots and returns to the config app - The SD can be removed (or left for later use.)



Adding software [🔗](#)

The system can now be upgraded to the latest software.

Go to the skipper web and download the latest software

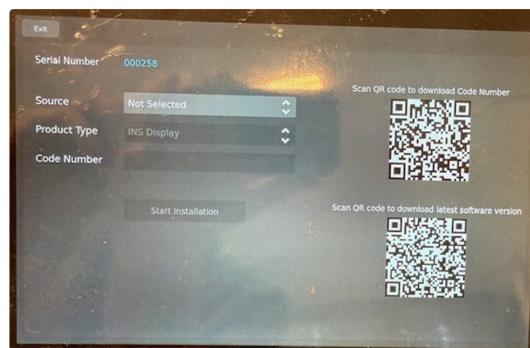
<https://www.skipper-service.no/skipdoc/skipdoc.php?showdir=data////Software//EML1X00 Software for EML>

or download from dropbox

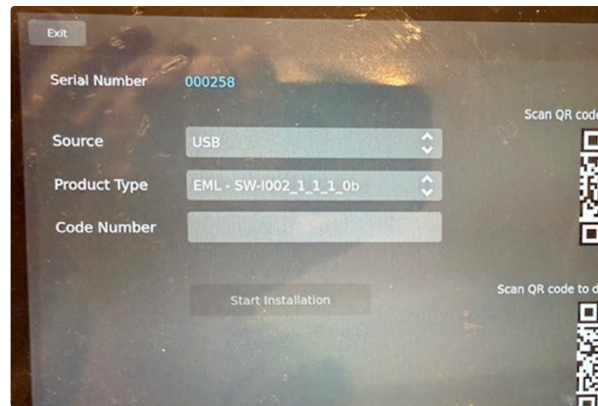
[📁 SW-I002_1_1_1_0_update.tar.bz2.enc](#)

SW-I002-1.1.1.0 - First full release versions of SW-I002 for EML1100 and EML1200.

- Place this on a USB as a '.enc' file and insert to the unit
- Enter ConfigAPP with serial number '000xxx'
- Go to the 'Select product' button



Use the Upper QR code to find you unique code number (or contact skipper with your part number and serial number) if not sent in the instruction mail received.



- Select Source USB, the system should find the downloaded software on the stick
- Enter the 'code number' Press enter The new software will Install.

The system will reboot one or 2 times.

Once running, enter Service login with password of the numbers in your serial number '123'

Reset the paramters you noted earlier.