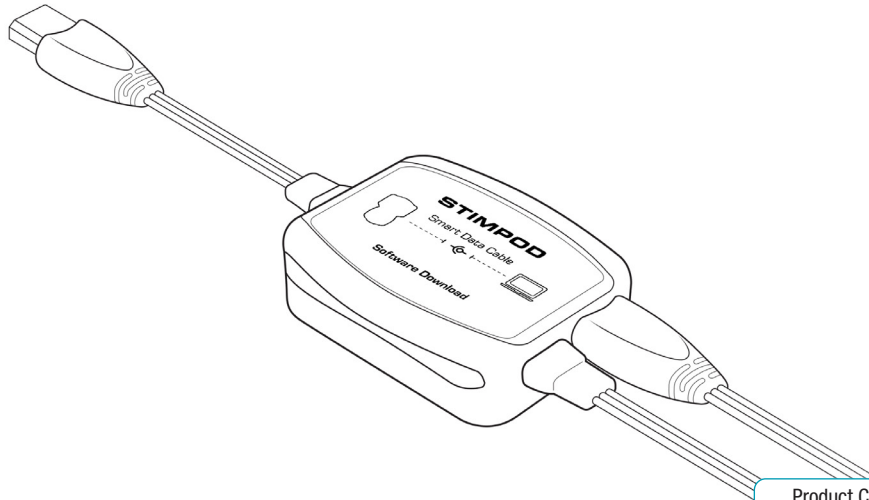




Remote Software Update Instructions For Use



Product Code: XT-45100A-SDC	
Revision 02	XM400-21SD04-02
13 September 2024	

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1 | Overview

This document describes the method and tools required to perform a remote software update on the STIMPOD NMS410/NMS450 and its accessories. The following product numbers are currently supported for software updates:

- 1 STIMPOD NMS450X+ (S/W version: $\geq 10.6.x$): XT-45030
- 2 STIMPOD NMS450X (S/W version: $\geq 10.0.x$): XT-45000, XT-45021A, XT45021B, XT45021C, XT45021D
- 3 NMT Monitoring Cable (EMG) (S/W version: All versions): XT-45003, XT-45003A.
- 4 NMT Monitoring Cable (AMG) (S/W version: ≥ 5.5): XT-45025, XT45025A.
- 5 Smart Data Cable: (NMSHow - USB) XT-45100A-NMS, (NMSHow - RS232) XT-45100C-NMS, (Philips - RS232) XT45100C-PHI

Note: Throughout the document, the word "STIMPOD" refers to *NMS450X* and *NMS450X+* devices.

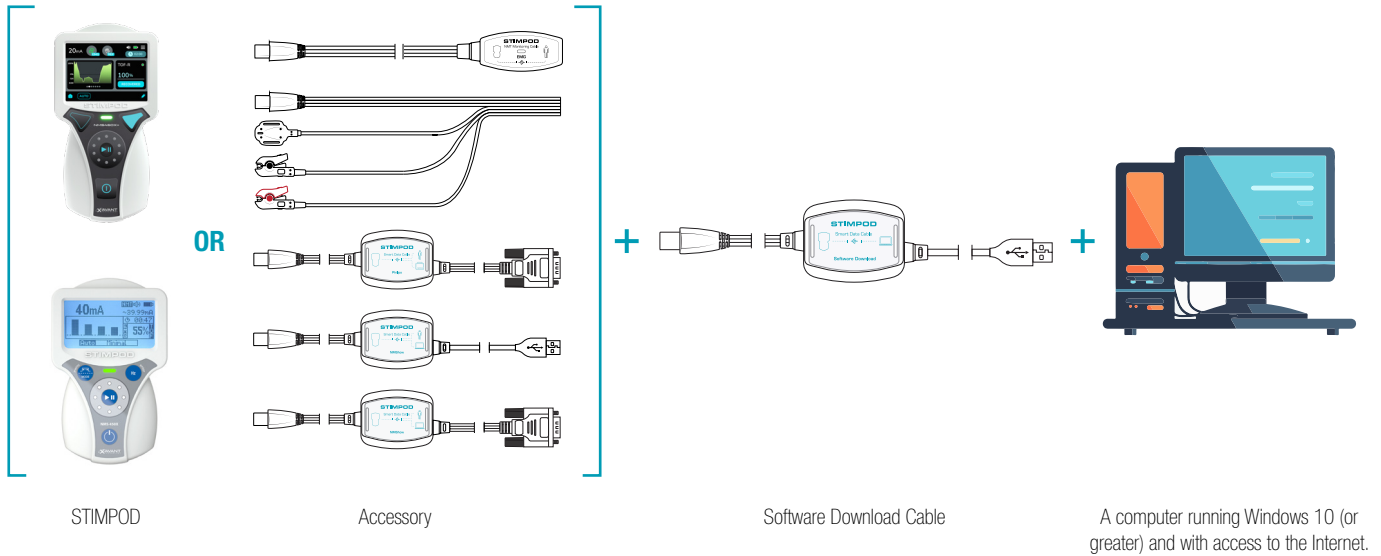
2 | Requirements

2.1 Remote Software Update Application

- 1 Please email support@xavant.com to request the password to access the application download page.
- 2 Download the application by using the link below:
<https://www.xavant.com/support/remote-software-update/>.
- 3 Click on the “Download for Microsoft Windows” button to download the software.
- 4 Run the executable.
- 5 After the application has been successfully installed, a Desktop icon will be created, and the application will run.
- 6 If a new update is available, this update will be automatically installed.
- 7 Congratulations. You have successfully installed the Remote Software Update Application.

2.2 Hardware/Equipment

The following is required to perform a remote software update:

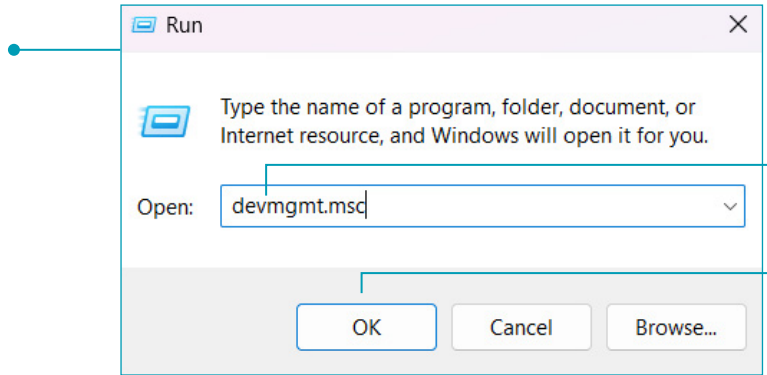


2.3 Driver Support¹

Ensure that the Windows PC is correctly set up with the Software Download Cable by establishing if the cable driver is correctly installed as per the instructions given below:

- 1 Connect the Software Download Cable to one of the USB ports of the PC.
- 2 Follow the following steps to open the "Device Manager". Alternatively search for "Device Manager" with Windows search.

Step 1:
Press Windows + 'R' on Keyboard. The following message box will be displayed

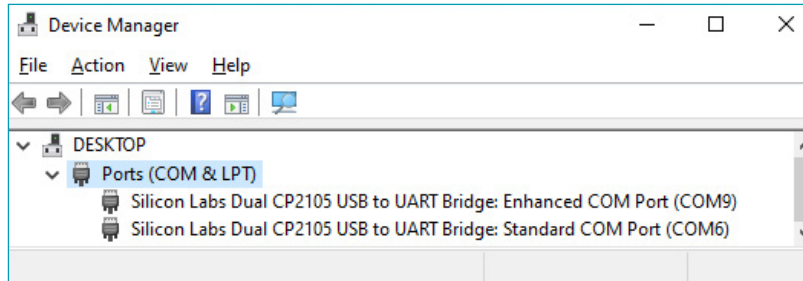


Step 2:
Type "devmgmt.msc" in the text box

Step 3:
Press the "OK" button to open the "Device Manager" Window

¹ Once the drivers have been installed on the PC, this step does not have to be repeated.

- 3 With the Software Download Cable connected to the PC, scroll down to “Ports (COM & LPT)”.²



- 4 If the ports are not displayed as indicated in the figure above, install the drivers using the following link:
https://www.silabs.com/documents/public/software/CP210x_Windows_Drivers.zip.
- 5 Extract the content of the downloaded zip file and run the CP21xVCPInstaller_x64.exe.

After this step, the drivers for the Software Download Cable shall be installed and the PC will be able to communicate with the Software Download Cable.

² The COM port numbers might differ from those indicated in this document.

3 | Remote Software Update Procedure

3.1 STIMPOD NMS450 Software Updates

The following steps are required to update the software on a STIMPOD:



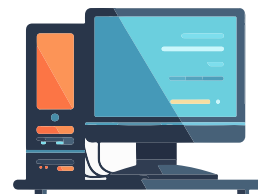
STIMPOD NMS450X OR STIMPOD NMS450X+

+



Software Download Cable

+



A computer running Windows 10 (or greater) and with access to the Internet.

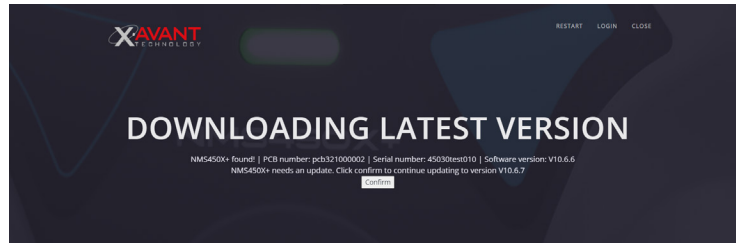
- 1 Connect the Software Download Cable to the PC.
- 2 Connect the STIMPOD to the Software Download Cable and power on the STIMPOD.
- 3 Open the Remote Software Update application using the Desktop Icon.

Note: Ensure an AMG, EMG or SDC accessory is not connected to the STIMPOD or Software Download Cable when a software update is being performed.

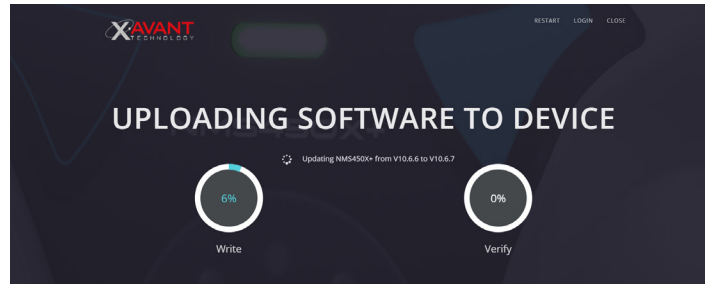
- 4 Select the “Start Device Detection” button to initiate searching for the device.

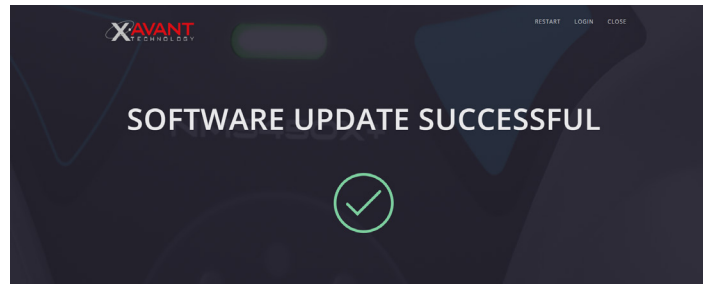


- 5 The application will automatically detect the STIMPOD if it is connected and powered on.



- 6 Once the STIMPOD has been detected, the application will determine if a software update is available for download. Note that the current software version of the device will be displayed on the application as well as the new software version that the device will be updated to.
- 7 Press the Confirm Button to start the software update and to run through all the different stages of the update process. The application will display different screens with progress bars during the update.



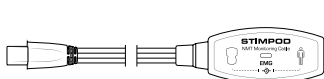


- 8 After the STIMPOD was successfully updated, restart the device.
- 9 Confirm the new software version on the startup screen.

3.2 Accessory Cable Software Updates

Follow these steps to update an accessory cable i.e. NMT Monitoring Cable EMG, AMG and SDC (USB and RS232) on the STIMPOD³:

- 1 Connect the Software Download Cable to the PC.
- 2 Connect the Accessory cable to the Software Download Cable⁴.



Accessory



Software Download Cable



A computer running Windows 10 (or greater) and with access to the Internet.

-
- 3 Refer to section 1 for the list of accessories currently available for remote software updates.
 - 4 The STIMPOD should **NOT** be connected to the Software Download Cable while updating an accessory.

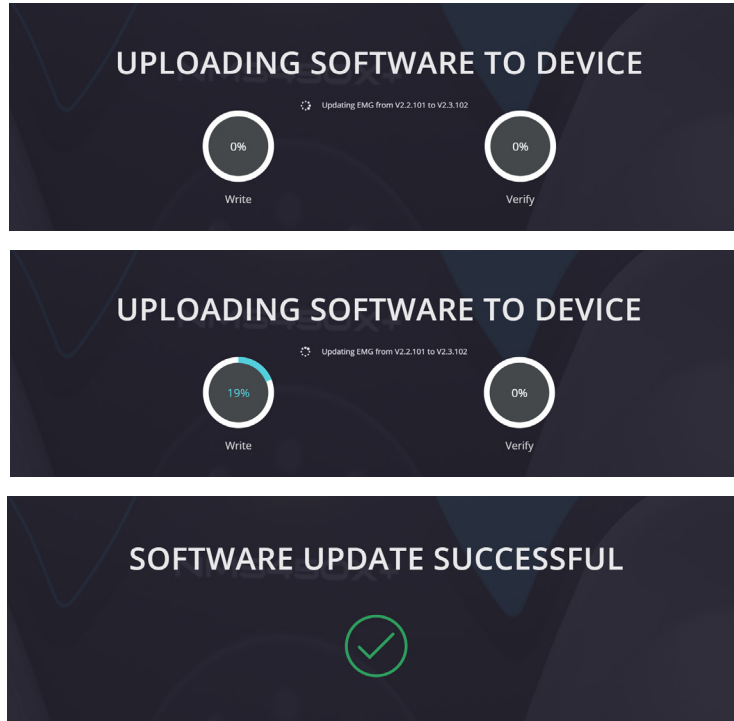
- 3 Open the Remote Software Update application.
- 4 Select the “Start Device Detection” button to initiate searching for the device to be updated.



- 5 The application will automatically detect the accessory.
- 6 Once the accessory has been detected, the application will determine if a software update is available for download.

Note that the current software version of the device will be displayed on the application as well as the new software version that the device will be updated to.

- 6 Press the Confirm Button to start the remote software update and to run through all stages of the Update process. The Application will display different screens with progress bars as indicated in the images below:



- 7 Connect an AMG or EMG to a STIMPOD to view the new software version.
 - ▶ **NMS450X:** Accessory version is displayed when the accessory is connected.
 - ▶ **NMS450X+:** Tap the link icon to view the software version.



4 | Updatable Versions

4.1 STIMPOD Versions

- ▶ NMS450X: $\geq 10.1.x$
- ▶ NMS450X+: $\geq 10.6.4$

4.2 Accessory Versions

- ▶ AMG: ≥ 5.5
- ▶ EMG: All versions
- ▶ Smart Data Cable: All versions

6 | FAQ

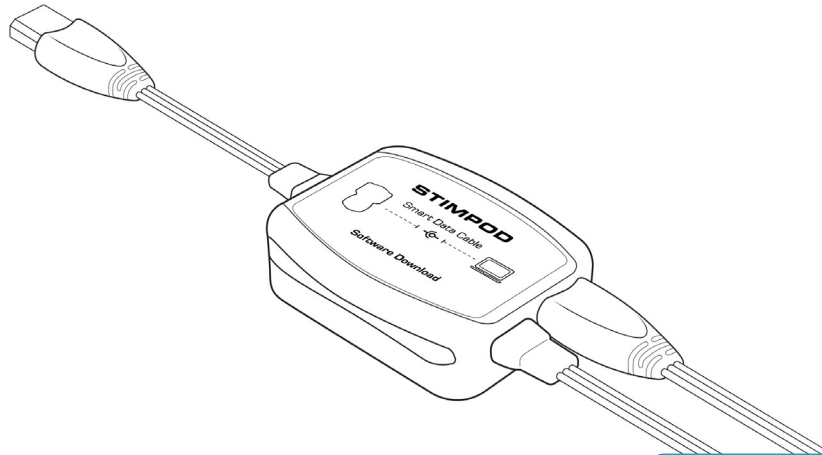
- Q** What should I do if there is a firmware popup after downloading the software?
- A** Restart the application and reattempt the update.

- Q** What should I do if my STIMPOD is stuck in bootloader mode?
- A** Restart the application and reattempt the update.

- Q** What should I do if the Remote Software Update Application does not detect the Device/Accessory?
- A** Ensure that the drivers are installed as stated in section 2.3.



Remote Software Update



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