**QXT/QXP Linux Update Procedure**

Note: You will need to almost completely disassemble the QXT/QXP in order to swap the SD card.

The steps for programming v1.18.0 are as follows:

* Download "Win32 Disk Imager" and install on your windows machine.
	+ It can be downloaded from<https://sourceforge.net/projects/win32diskimager/>
* Program QXT/P bootloader to SD Card
	+ Insert a Class 10 SDHC card with size >= 8GB using an SD card converter
	+ Run the program "Win32 Disk Imager" in your PC
		- Now select the "Image File" as "Release\_QXP2\_1.18.0\SD\_Boot\_Image\**Qxp2\_Sdcard\_Boot\_Image.img**" and "Device" as the drive having SD card converter.
		- Select the option "Write" to start programming the image to SD card.
	+ After programming, insert the SD card to QXT/QXP and with this the QXT/QXP will boot till uboot
* Program the Linux OS to the SD card
	+ Prepare a FAT32 formatted USB thumb drive and insert to PC
	+ Copy the folder "Release\_QXP2\_1.18.0\USB\_Update\_FW\**qxp2**" to the USB Thumb drive
	+ Now insert the thumb drive to the front USB slot of QXP/QXT
	+ You may insert RS232 into port 1 of the QXP/QXT to check the update status.
	+ Power ON the QXP/QXT while holding the Setup button
	+ 5 seconds after powering the QXT/QXP, release the Setup button
	+ Now the QXP/QXT will program the Linux OS to SD card from the USB thumb drive. During firmware update status LED will blink on QXP/QXT
	+ Programming will take around 15 to 20 mins depending on SD card speed and reboot twice. **Do not remove power in between!**
* After programming is done, the QXP/QXT boots with default IP 192.168.1.100