

Both these modes of recovery are available on Mac, Linux* and Windows.

FASTBOOT RECOVERY

If you see any sign of life on the display then you are past the bootloaders into Linux kernel and you can always recover the device using fastboot.

Enter fastboot mode via either:

```
adb reboot bootloader
```

or force the device to boot into fastboot mode, in case the device doesn't enumerate in adb mode:

1. Unplug power and usb cables to the EDB.
2. Press and hold SW6(RESET) button - Second last one towards the bottom of EDB.
3. While still holding SW6, connect the power cable followed by usb cable.
4. Wait for ~5 seconds till you see the fastboot menu screen and then release SW6.
5. The device will boot in fastboot mode and will stop at the fastboot menu screen.

Proceed to flash the device using the latest [fastboot package](#) from our [build dashboard](#) to recover the device.

From the above package execute:

```
./flash_all.py options -fpw
```

can be used to nuke everything, re-partition the device and flash the latest images.

The device will reboot into the new image after a successful flash.

QFIL RECOVERY

If there is no sign of life on display and the device is completely bricked (it might enumerate in QDL mode) you need to use this recovery method.

Enter qfil mode via either:

```
adb reboot edl
```

or force the device to boot into QDL (Qualcomm Download mode a.k.a Emergency Download mode), in case the device doesn't enumerate in adb mode:

1. Unplug power and usb cables to the EDB.
2. Press and hold SW4(FORCE USB BOOT) button - Third last one towards the bottom of EDB.
3. While still holding SW4, connect the power cable followed by usb cable.
4. Wait for ~5 seconds and then release SW4.

5. The device will boot in QDL mode. The screen will be blank. You can run `lsusb` or `ioreg -p IOUSB` or `host` equivalent will enumerate the device in this mode by looking for QHSUS in the output. Mac OS example output: [P142922217](#)
6. Proceed to recover the device using latest qfil package from our [build dashboard](#).
7. From the above package execute:

```
python flash_qfil_package.py
```

- Note 1: You may get warning saying that an application called Santa is not yet enabled on your computer for Security. This is FB's security to guard against unauthorized apps. It should open a window to allow this application to run. Do this and try again.
 - Note 2: If you get an error in `kickstart_darwin` when programming `prog_emmc_firehose_8937_ddr.min`, try restarting from step 1 (unplug power and usb)... and executing python script without explicitly calling python so just `./flash_qfil_package.py`
8. The device will reboot into the new image after a successful recovery.