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Command Line Utility

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System Requirements

The utility will communicate over the same USB connection but via the HID-HID data pipe channel, no special drivers are required.

Compatibility

Windows 10 ✓
Windows 11 ✓

The utility can be used to configure the product to load firmware updates

Procedure

Download the utility from www.storm-interface.com/downloads,

Create a mic array folder and copy in the following downloaded files :-

- usb_upgrade.exe
- eula.rtf (SLA software licence agreement)
- firmware.sfs (this is the firmware file that will be installed)
- 000-IC-211-MICVXX-DWG.sfs (XX is version number, this is the factory default firmware)

Ensure you have signed and returned a copy of the SLA

Locate the firmware update file and then save it in the folder as firmware.sfs

Run the firmware update

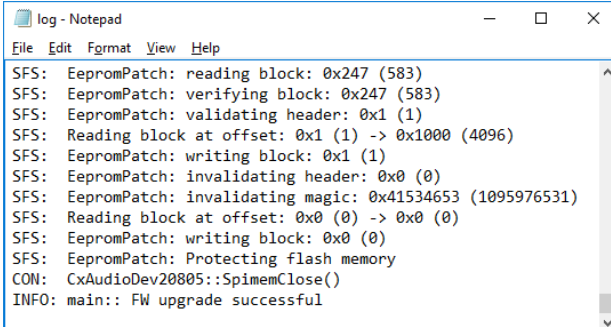
Connect the Microphone Array Module to a USB port (CD3 and E00 are the VID and PID)

Open a command prompt window

Navigate to the mic array folder

Use the following command : `usb_upgrade 0cd3 0e00`

When the upgrade is in progress you will see a log file and on completion a success message



```
log - Notepad
File Edit Format View Help
SFS: EepromPatch: reading block: 0x247 (583)
SFS: EepromPatch: verifying block: 0x247 (583)
SFS: EepromPatch: validating header: 0x1 (1)
SFS: Reading block at offset: 0x1 (1) -> 0x1000 (4096)
SFS: EepromPatch: writing block: 0x1 (1)
SFS: EepromPatch: invalidating header: 0x0 (0)
SFS: EepromPatch: invalidating magic: 0x41534653 (1095976531)
SFS: Reading block at offset: 0x0 (0) -> 0x0 (0)
SFS: EepromPatch: writing block: 0x0 (0)
SFS: EepromPatch: Protecting flash memory
CON: CxAudioDev20805::SpimemClose()
INFO: main:: FW upgrade successful
```

Unplug the Microphone Array Module

Make a note of the serial number and the new firmware version for your records



Change History

Instructions for Config Utility	<u>Date</u>	<u>Version</u>	<u>Details</u>
	29 Apr 22	1.0	First release

Configuration Utility	<u>Date</u>	<u>Version</u>	<u>Details</u>
	29 Apr 22	1.0	First Release