



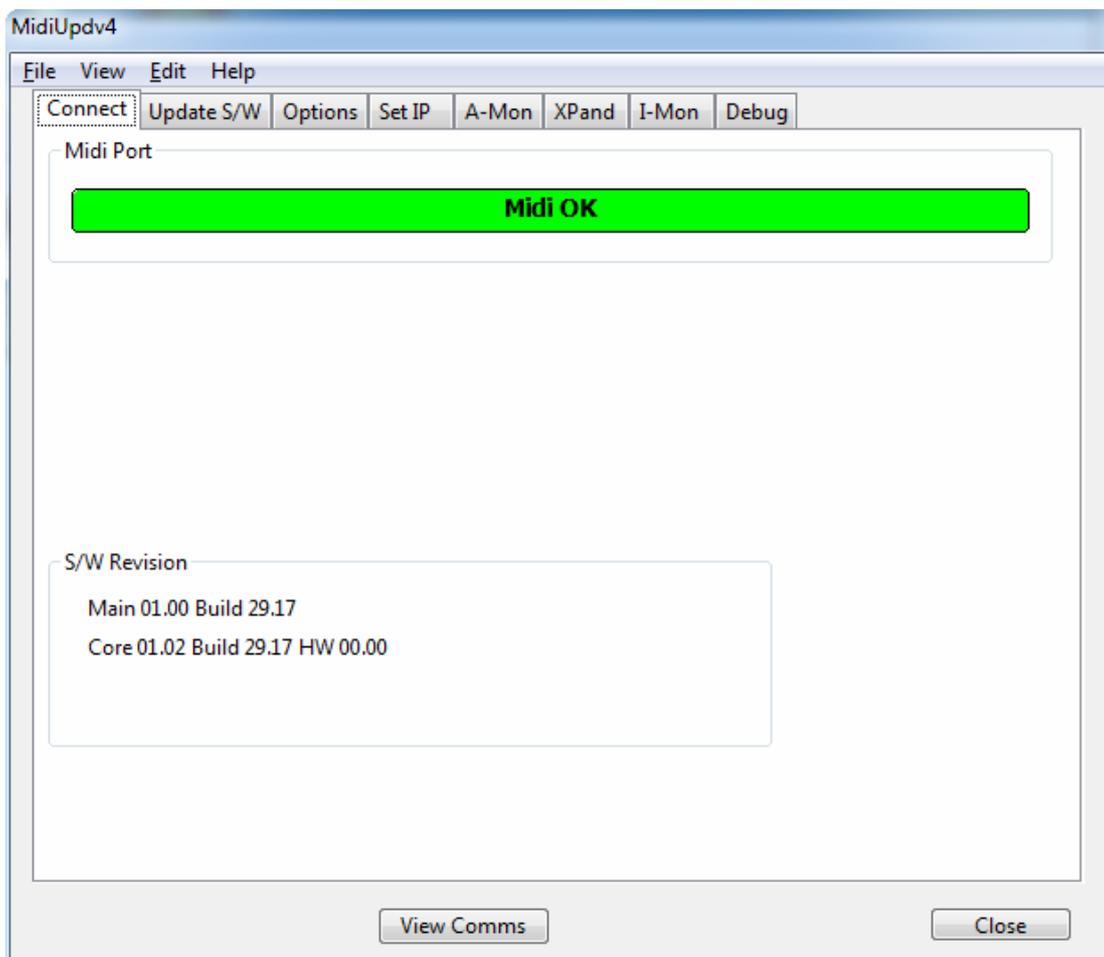
# CB Electronics

## MidiUpd

TC-5, TMC-1, A-Mon, XPand, I-Mon

### Programming Guide

Version 2.0





# CB Electronics

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## Firmware Updates

The USB Port is used to update the TC-5, TMC-1, I-Mon, A-Mon and XPand firmware. You should not need a driver as it uses a standard Midi Interface. Firmware updates are posted on the appropriate product page:

TC-5 - <http://www.colinbroad.com/cbsoft/tc-5/tc-5.html>

TMC-1-XMon - <http://www.colinbroad.com/cbsoft/tmc1/tmc1.html>

TMC-1-Penta - <http://www.colinbroad.com/cbsoft/tmc1/tmc1penta.html>

TMC-1-DMon - <http://www.colinbroad.com/cbsoft/tmc1/tmc1dmon.html>

A-Mon and TMC-1-AMon - <http://www.colinbroad.com/cbsoft/amon/amon.html>

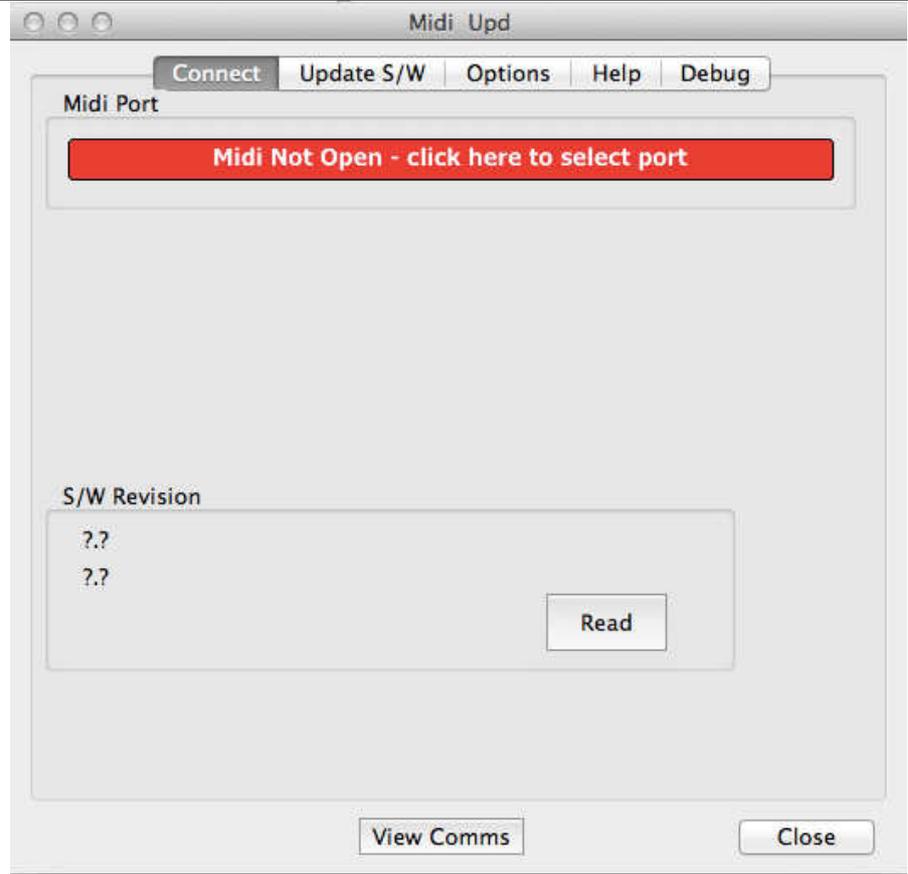
XPand - <http://www.colinbroad.com/cbsoft/amon/xpand.html>

I-Mon - <http://www.colinbroad.com/cbsoft/imon/imon.html>

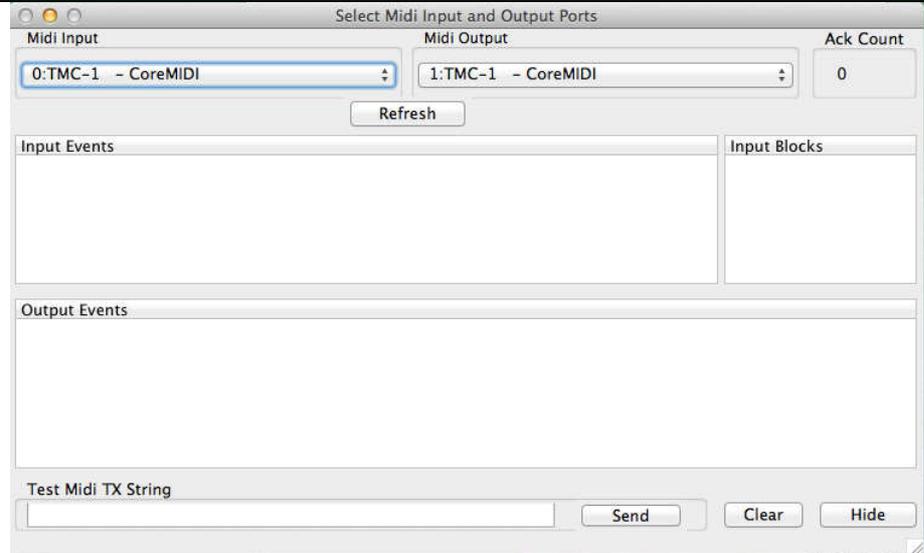
You will find both a Mac and Windows version of "midiupd" in the zip file which should be used to send firmware updates to any of these products.

Midiupd includes a help screen; you can find screen shots below

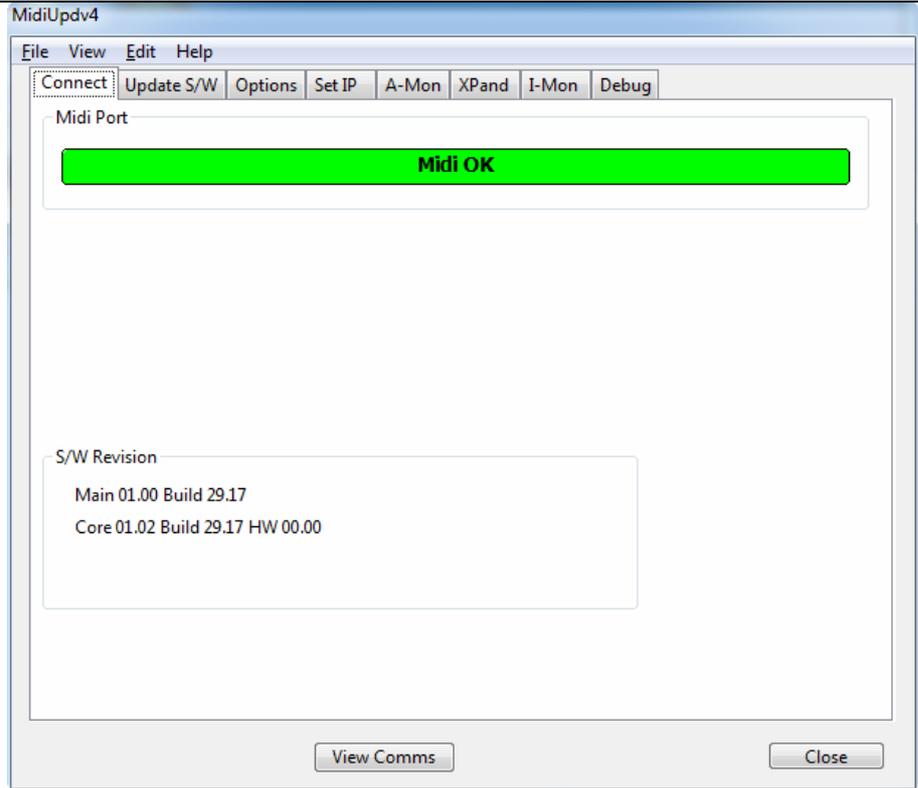
Opening Screen if Midi ports not found



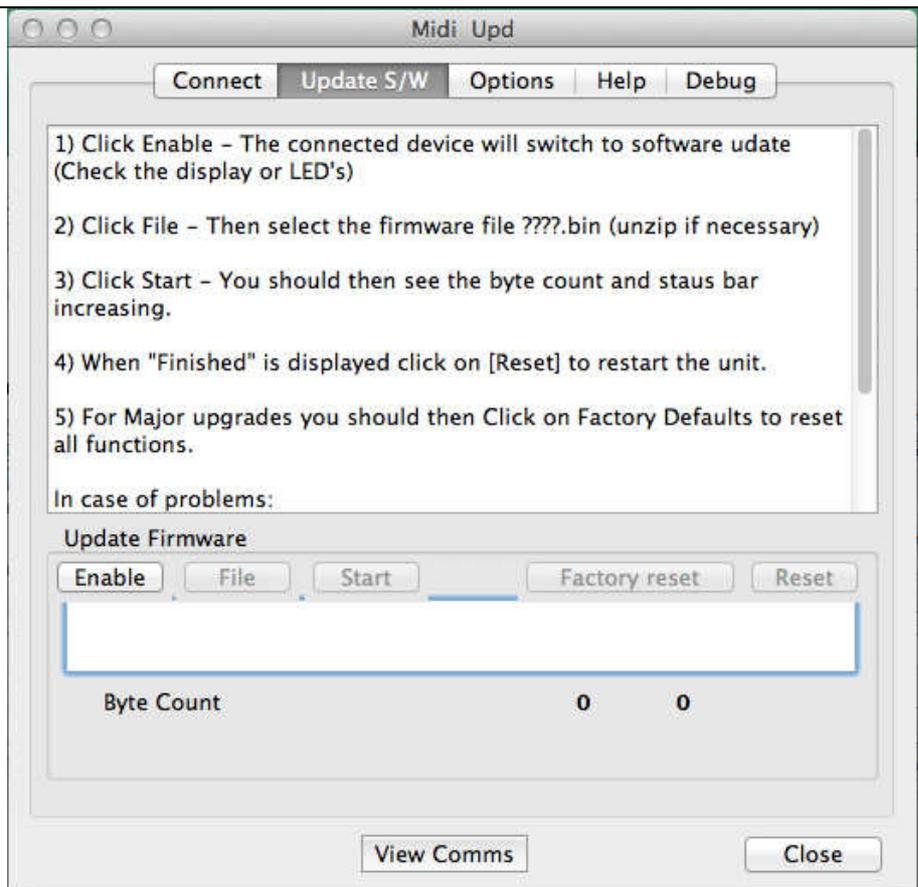
Input port selection screen with TMC-1 input and output screens.



Opening screen with Midi ports selected. The Read key has been clicked to check the current software revision

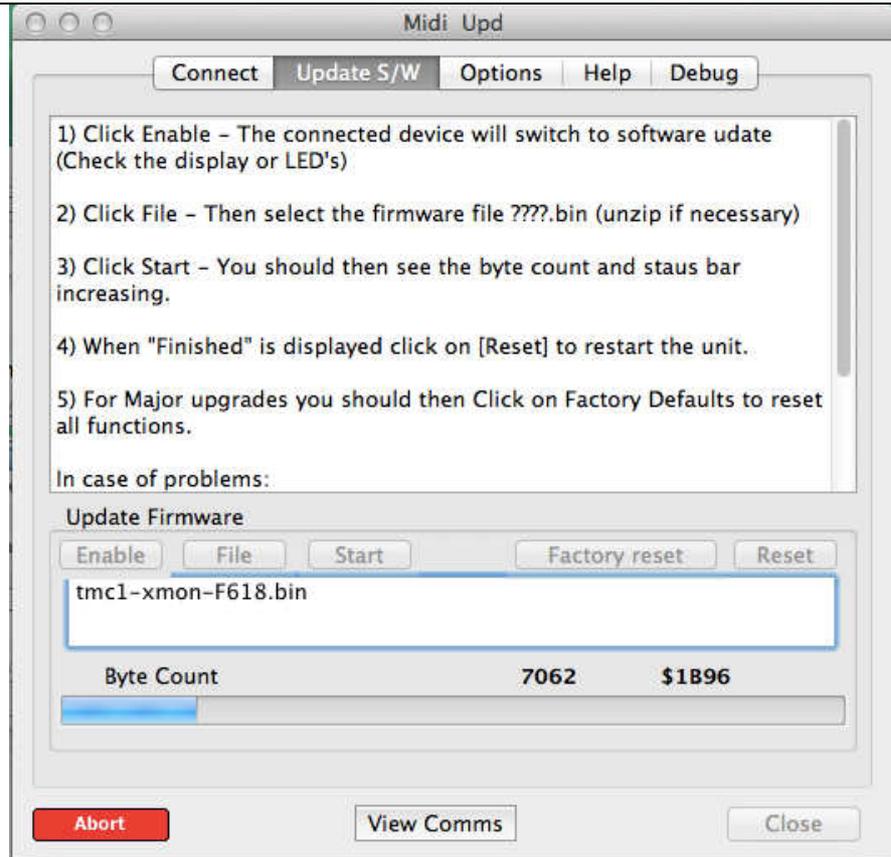


Programming Screen





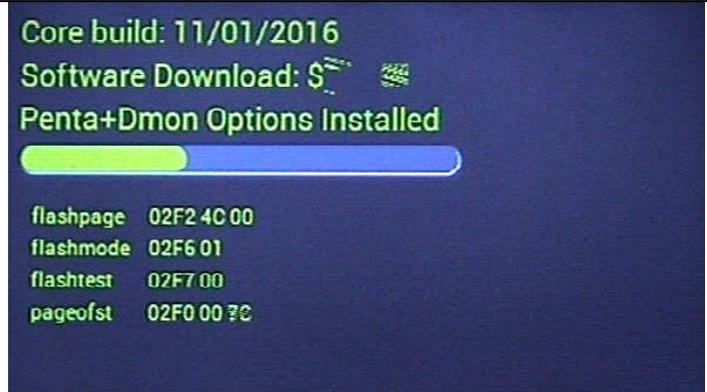
## Programming



### TMC-1 Programming Indication

**Note:** the progress bar on the TMC-1 shows the total memory space available and will not reach the end.

The Progress bar on "midiupd" shows the update length and will be cleared once finished



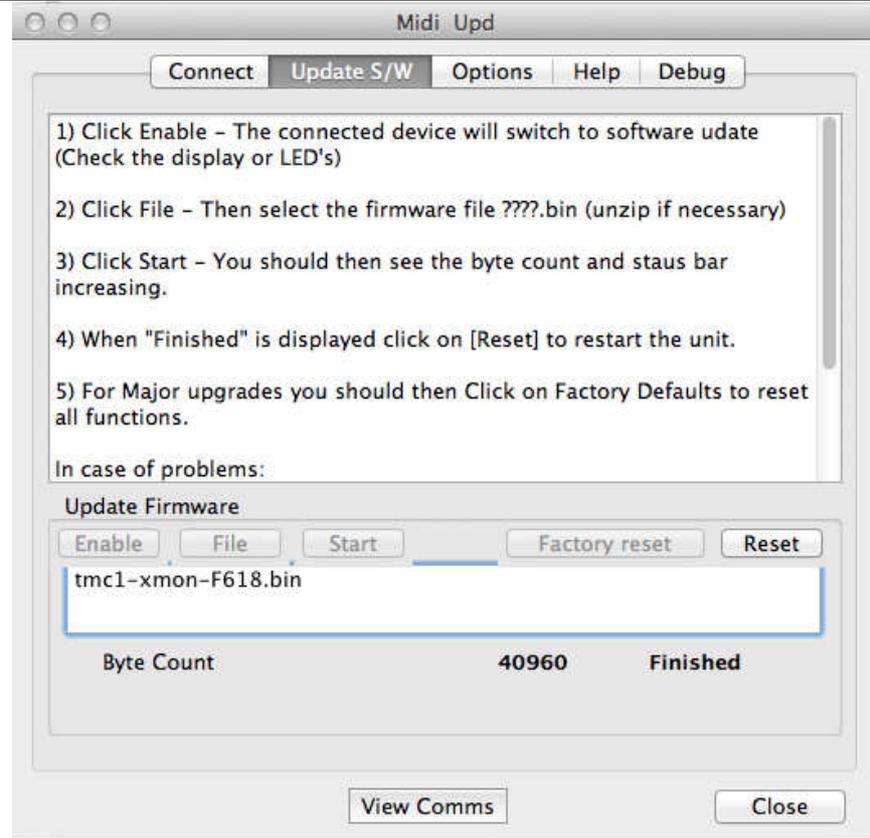
## I-Mon, A-Mon and XPand programming Indication

The Mute LED is used to indicate the Programming mode as follows

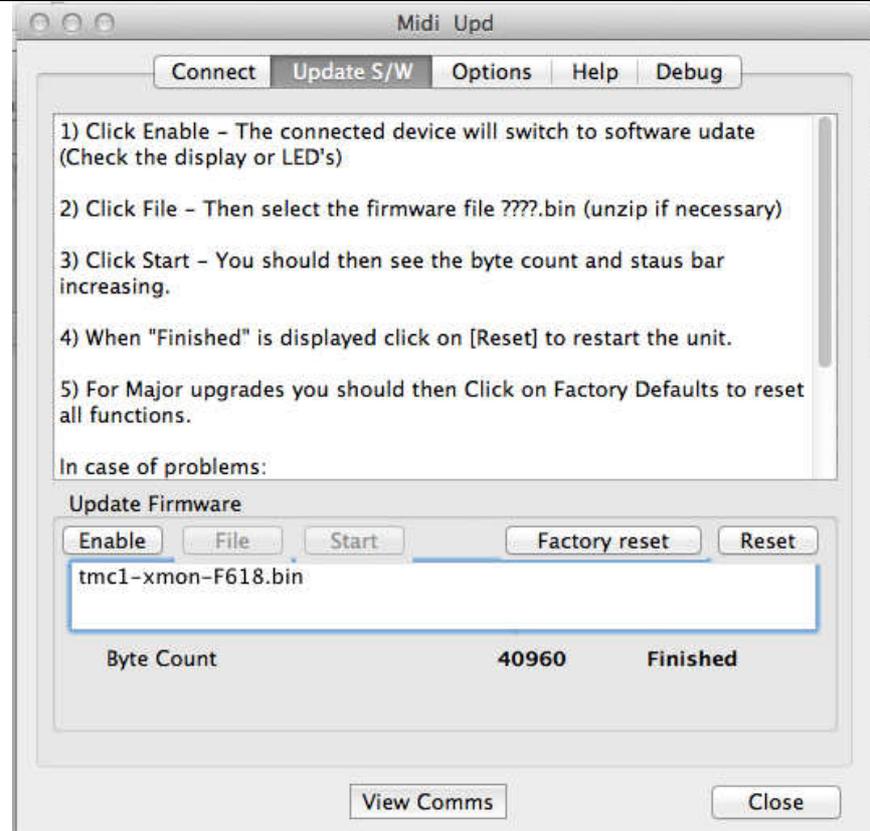
- Mute LED Flashing approximately once per second – Ready to program
- Mute LED Flashing approximately twice per second – Programming
- Mute LED Flashing approximately once per two seconds – Finished programming

Finished,

Now depress [Reset]

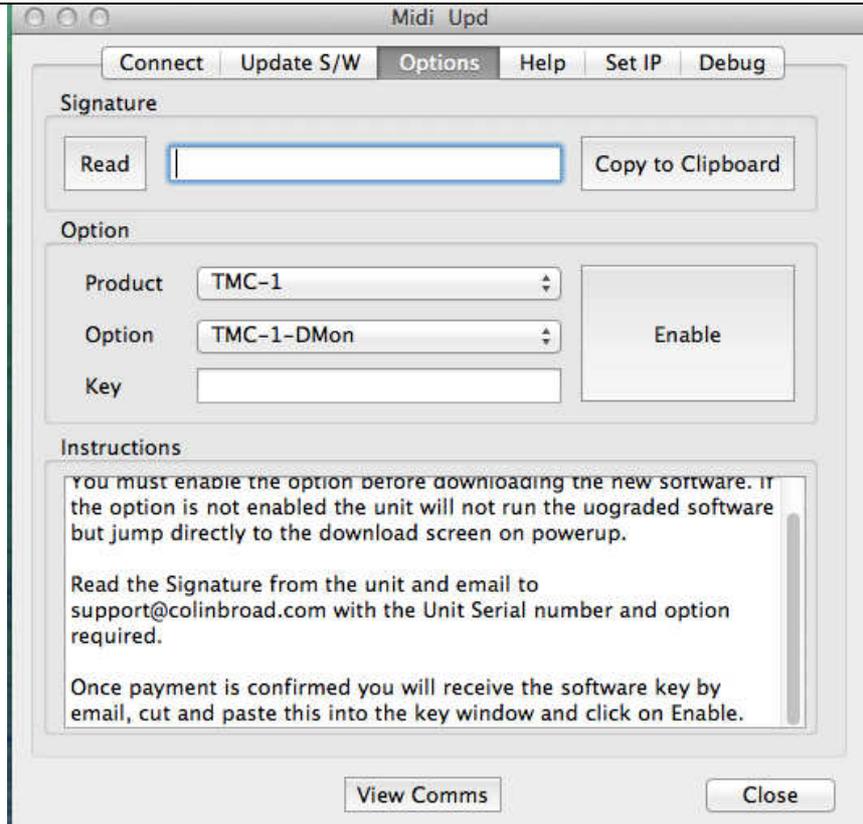


For Major upgrades you should now reset to factory defaults and then setup the User keys and menu options.

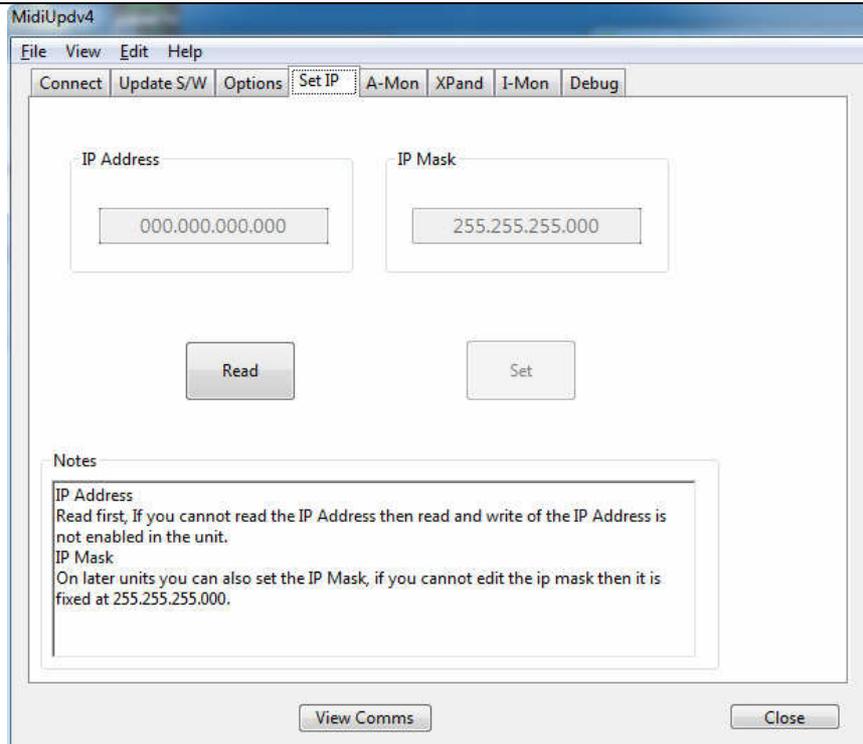


Where the TMC-1 has a Ethernet port fitted a upgrade may be purchased to upgrade to TMC-1-Penta or TMC-1-DMon software. To obtain the key use midiupd to read the signature and send with the serial number to [support@colinbroad.com](mailto:support@colinbroad.com).

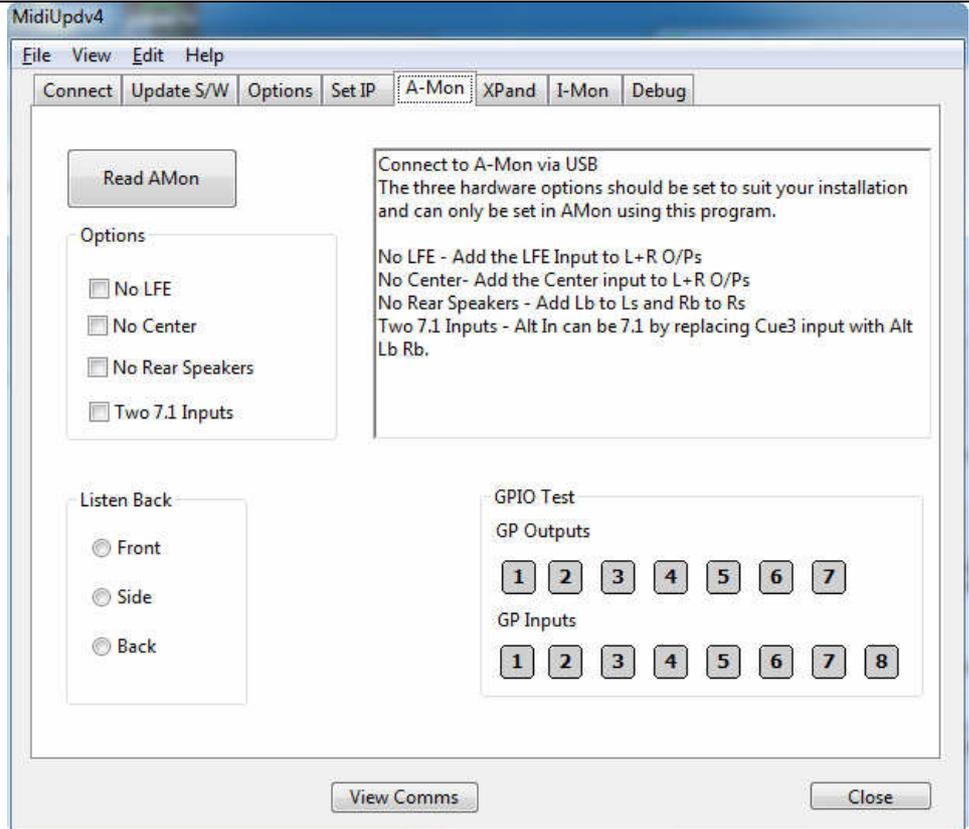
Without the correct key the software will not run. TMC-1-XMon and TMC-1-AMon software does not require a key.



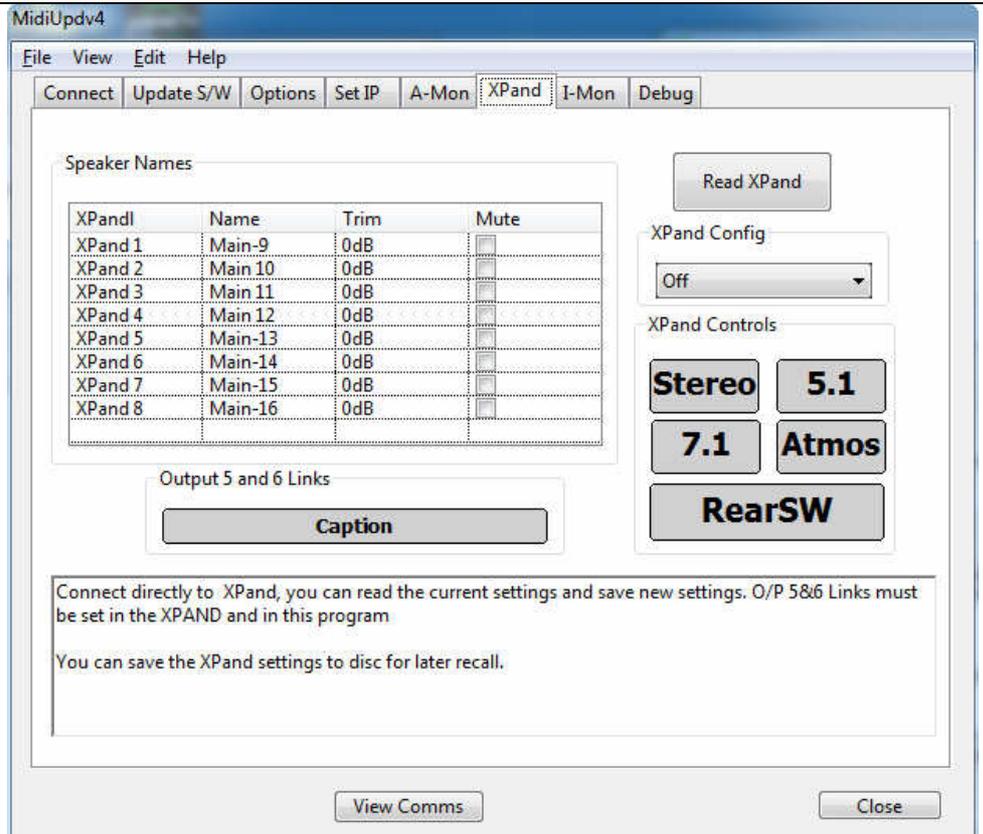
The Set IP page is used to set the IP address and IP Mask on the TMC-1



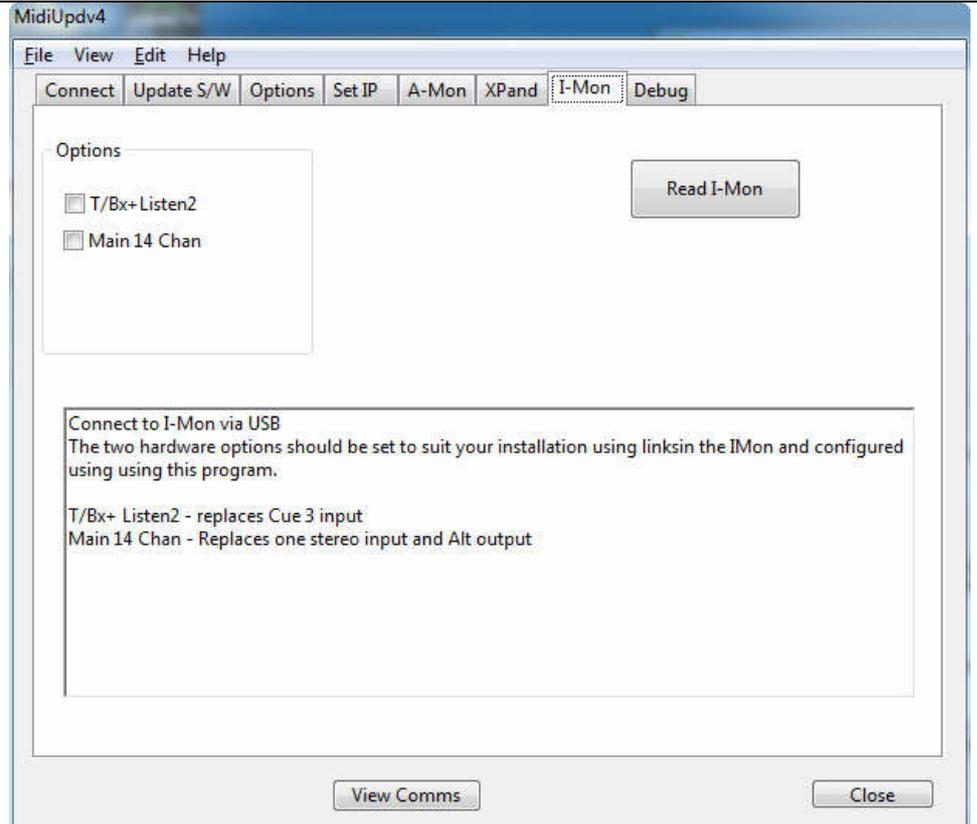
The A-Mon page is used to setup special options on the A-Mon



The XPand page is used to configure the XPand



The I-Mon page is used to configure the I-Mon software to match the link positions



## TC-5 Recovery

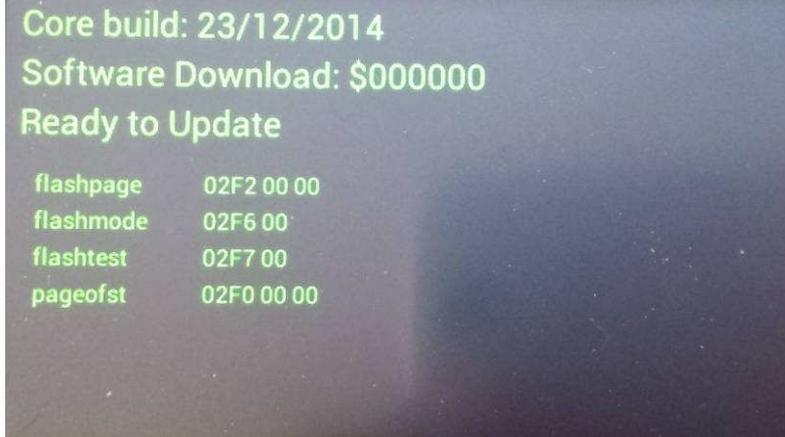
In the case of power failure or other problems when updating the TC-5 firmware.

1. Abort and exit from "midiupd"
2. Unplug the USB then reconnect whilst depressing [/] and [>]. "UPd.ProG" Download will be displayed in the TC-5 7 Segment Display.

## TMC-1 Recovery

In the case of power failure or other problems when updating the TMC-1 firmware.

3. Abort and exit from "midiupd"
4. Unplug the USB then reconnect whilst depressing [Select] and [Ctrl]. The Software Download screen will be displayed.



5. Restart "midiupd". You will need to select the CBCore MIDI ports

## II-Mon, A-Mon and XPand Recovery Mode

If for any reason there is a problem when reprogramming (eg. Power Failure) a recovery mode is provided.

To enter recovery mode, disconnect the power for at least 5 seconds, then reconnect with the Mute key depressed. You will need to reselect the USB port used by MidiUpd.

The Mute LED will flash at approximately 1 second intervals to indicate that the device is ready to program.