MIDIdocs

The MBSEQ_HW.V4 File

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This file contains configuration information about your SEQ's hardware - button, LED, and encoder assignments, some low level settings, etc. This file has to be in the root of your SD Card in order for the Wilba Frontpanel to work, because without this file, the SEQ core won't know anything about the buttons and LEDS on your frontpanel.

The MBSEQ_HW.V4 file is actually pretty well self-documented. If you want to understand it, read through the example MBSEQ_HW.V4 files available in this directory in the MIOS Subversion Repository.

Buttons, encoders, and LEDs are assigned in this file by specifying the Shift Register (the 74HC165 IC chips on your PCB) and Pin to which they are attached.

Config File for the Wilba Frontpanel

If you've just built a MIDIbox and all you want is for your Wilba Frontpanel to work, then you really don't need to understand this file. Here is a standard MBSEQ_HW.V4 file for the Wilba Frontpanel. Just make sure that file exists in your SD Card root.

Example MBSEQ_HW.V4 files

- **For the standard SEQ V4** - This is not the Wilba Frontpanel - it's the “traditional” frontpanel referred to on this page.
- **For the Wilba Frontpanel**
- **For the Wilba Frontpanel with a TPD module attached**

Adding Modules to Your SEQ

Some modules, like the TPD (Track Position Display) module, the AOUT_NG module (provides CV outs), and the hardware Button LED Matrix (BLM) require amendments to the MBSEQ_HW.V4 file. To learn a bit about how this works, see, for example, the configuration documentation on this page about the TPD module.

Some modules, like the QUAD_MIDI_IIC, are pretty much “plug and play” and don't require any editing of the MBSEQ_HW.V4 file. Generally speaking, you'll need to edit the MBSEQ_HW.V4 whenever you're adding a module that has buttons, encoders, or LEDs that you want to assign.

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