

SOURCE - Limits and Homing _ Configuring Signals

Configuring Signals

To set up and wire 24V limit/home switches, follow the steps outlined below.

1. On the menu bar at the top of the screen select **Configure->Control**. Select the **Input Signals**
2. Scroll down through the list until you find the different motor sections (Home, --, and ++). The example image below shows the inputs scrolled down to the motor home section. Further down is ++ and --.

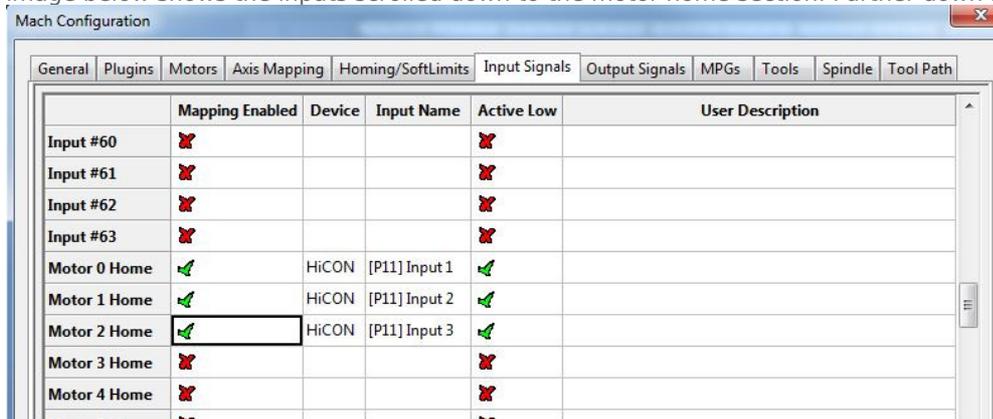


Figure 24 Input Signals

3. Enable the limit and home switches by clicking the red **X**] (in the **Mapping Enabled** column) by the signal to make it a green check.
 - Note: Each motor has three signals, the max travel (motor ++), the min travel (motor --), and the home (motor home). All three must be enabled and set to the correct device and input name for everything to work correctly using the wiring description above.
4. Set the device and input name to the desired input.
5. Set up the active low checkbox to a green check for a normally closed switch.
 - Note: Under the active low column the active state can be changed by clicking on the **X**] or check mark. If the limit switches are normally open the red X should be used. However, this is not recommended as it is not as safe.
6. When the limit and home switches for each motor are completely configured, press **Apply**] and then **OK**].

In the example above, motor 0, 1, and 2 home switches are enabled. All of them are wired normally closed. The device and input name for motor 0 is **HiCON [P11] Input1 (X1)**. Since the switches for each motor are wired in series, the motor ++ and motor -- signals lower down in the list would also have the same corresponding device and input names. Manually trigger each limit switch and make sure they disable Mach before continuing.