

P4-S pendant PathPilot driver Installation

Reboot and when you see the "TORMACH" splash screen, hold down the left SHIFT and ALT keys to boot to desktop.

Copy and move following files to PathPilot PC under /home/operator

```
Makefile  
vc-p4s (vc-p4-s 64bit)  
vc-p4s-pp.hal  
99-vistacnc-pendant.rules
```

Open a terminal window, and at operator@tormachpcnc:~\$, type **make install**

This will install vc-p4s to /usr/bin and 99-vistacnc-pendant.rules to /lib/udev/rules.d

Copy and move vc-p4s-pp.hal to /home/operator/tmc/configs/tormach_mill directory

Open and add following lines (**in bold font**) to tormach_mill_base.ini files (in /home/operator/tmc/configs/tormach_mill directory):

```
[HAL]  
...  
HALFILE = halui  
HALFILE = tormach_mill_mesa.hal  
HALFILE = vc-p4s-pp.hal  
...  
POSTGUI_HALFILE = custom_postgui.hal  
HALUI = halui  
  
[HALUI]  
MDI_COMMAND=...  
MDI_COMMAND=...  
MDI_COMMAND=...  
MDI_COMMAND=...  
MDI_COMMAND=...  
MDI_COMMAND=G10 L20 P1 X0  
MDI_COMMAND=G10 L20 P1 Y0  
MDI_COMMAND=G10 L20 P1 Z0  
  
[TRAJ]  
...
```

The step size selection are defined in vc-p4s-pp.hal .
Open and edit vc-p4s-pp.hal file.

```
.  
.  
#step size, set 0 to skip.  
setp stepsize-1 0.0001  
setp stepsize-2 0.001  
setp stepsize-3 0.01  
setp stepsize-4 0.1  
setp stepsize-5 1  
setp stepsize-6 10  
setp stepsize-7 0  
setp stepsize-8 0  
setp stepsize-9 0  
.
```