

P4-S pendant LinuxCNC driver Installation

1. Copy and move following files to LinuxCNC PC

```
Makefile  
vc-p4s  
vc-p4s.hal  
vc-postgui.hal  
99-vistacnc-pendant.rules
```

2. Put Makefile, vc-p4s and 99-vistacnc-pendant.rules to your home directory (/home/"your login name"/). If there is a Makefile in that directory, name that make file to different name, like Makefile_old.

3. Open a terminal window, and at your home directory, type **make install** ,this will install

```
vc-p4s to /usr/bin  
99-vistacnc-pendant.rules to /lib/udev/rules.d
```

4. Put vc-p4s.hal and vc-postgui.hal to the directory in which the .ini file is located, normally it is under "your home directory"/linuxcnc/configs

5. Open and add following lines (in bold font) to .ini file:

```
[HAL]  
HALFILE = my-mill.hal  
HALFILE = custom.hal  
HALFILE = vc-p4s.hal  
POSTGUI_HALFILE = custom_postgui.hal  
POSTGUI_HALFILE = vc-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
MDI_COMMAND=G0 X0
MDI_COMMAND=G0 Y0
MDI_COMMAND=G0 Z0
```

6. Step size selection is defined in `vc-p4s.hal`. To change or add step size, open and edit the numbers (**in bold font**) in `vc-p4s.hal` file.

```
.
.
#P4-S pendant settings

#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 0
setp stepsize-6 0
setp stepsize-7 0
setp stepsize-8 0
setp stepsize-9 0
.
.
```