

## P2-S pendant LinuxCNC driver Installation

1. Copy and move following files to LinuxCNC PC

```
Makefile  
vc-p2s  
vc-p2s.hal  
vc-p2s-postgui.hal  
99-vistacnc-pendant.rules
```

2. Put `Makefile`, `vc-p2s` 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-p2s to /usr/bin  
99-vistacnc-pendant.rules to /lib/udev/rules.d
```

4. Put `vc-p2s.hal` and `vc-p2s-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-p2s.hal  
POSTGUI_HALFILE = custom_postgui.hal  
POSTGUI_HALFILE = vc-p2s-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 Y0 Z0
```

```
MDI_COMMAND=G0 Y0
MDI_COMMAND=G0 Z0
```

6. Step size selection is defined in `vc-p2s.hal`. To change or add step size, open and edit the numbers (**in bold font**) `vc-p2s.hal` file.

```
.
.
#P2-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
.
.
```