1. Upgrade P4S pendant FW to LinuxCNC FW. Unzip P4S\_LinuxCNC to find instruction, application and FW. Upgrade application needs to be run under XP or Win7 PC.
2. Copy and move files to LinuxCNC PC

**Makefile**

**vc-p4s**

**vc-p4s.hal**

**99-vistacnc-pendant.rules**

1. Put Makefile, vc-p4s and 99-vistacnc-pendant.rules to “src” under home directory ~/src$. If there is a Makefile in that directory, name that make file to different name, like Makefile\_old.
2. Run make install , this will install vc-p4s to /usr/bin and 99-vistacnc-pendant.rules to /lib/udev/rules.d
3. Put vc-p4s.hal to your config directory, the same directory as .ini file.
4. add lines to .ini files:

[HAL]

HALFILE = my-mill.hal

HALFILE = custom.hal

**HALFILE = vc-p4s.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**

**MDI\_COMMAND=G0 X0 Y0 Z0**

**MDI\_COMMAND=G10 L20 P1 A0**

**MDI\_COMMAND=G10 L20 P1 B0**

**MDI\_COMMAND=G10 L20 P1 C0**