P1A-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-p1as (vc-p1a-s 64bit)
vc-p1as-pp.hal
99-vistacnc-pendant.rules

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

This will install `vc-p1as to /usr/bin  and  99-vistacnc-pendant.rules to /lib/udev/rules.d`

Copy and move `vc-p1as-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-p1as-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-p1as-pp.hal`.
Open and edit `vc-p1as-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
.
```