P1A-S pendant PathPilot driver Installation

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

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

   `Makefile`
   `vc-p1as`
   `vc-p1as-pp.hal`
   `99-vistacnc-pendant.rules`

3. Double click **`Makefile,`** select **`Run.`** This will install `vc-p1as to /usr/bin` and `99-vistacnc-pendant.rules to /lib/udev/rules.d`

4. Copy and move **`vc-p1as-pp.hal`** to **/home/operator/tmc/configs/tormach_mill** directory

5. Open and add following lines (**in bold font**) to **`tormach_1100-3.ini`** files (in **/home/operator/tmc/configs/tormach_mill** directory):

   ```
   [HAL]
   HALFILE = my-mill.hal
   HALFILE = custom.hal
   HALFILE = vc-p1as-pp.hal
   POSTGUI_HALFILE = custom_postgui.hal
   HALUI = halui
   ```

6. The number of decimal digit to display and step size selections are defined in **`vc-p1as-pp.hal.`**

   Open and edit **`vc-p1as-pp.hal`** file.

   ```
   .
   .
   #P1A-S pendant settings
   #number of decimal digit to display on axis DRO,
   #settable number:2,3,4
   setp vc-p1as.decimal 3

   #step size, set 0 to skip.
   setp vc-p1as.stepsize-1 0.0001
   setp vc-p1as.stepsize-2 0.001
   setp vc-p1as.stepsize-3 0.01
   setp vc-p1as.stepsize-4 0.1
   setp vc-p1as.stepsize-5 1
   setp vc-p1as.stepsize-6 10
   setp vc-p1as.stepsize-7 0
   setp vc-p1as.stepsize-8 0
   setp vc-p1as.stepsize-9 0
   .
   ```