

P1B pendant LinuxCNC driver Installation

1. Copy and move following files to LinuxCNC PC

Makefile

vc-plb (select 32 bit driver for 32 bit OS, and 64 bit driver for 64 bit OS)

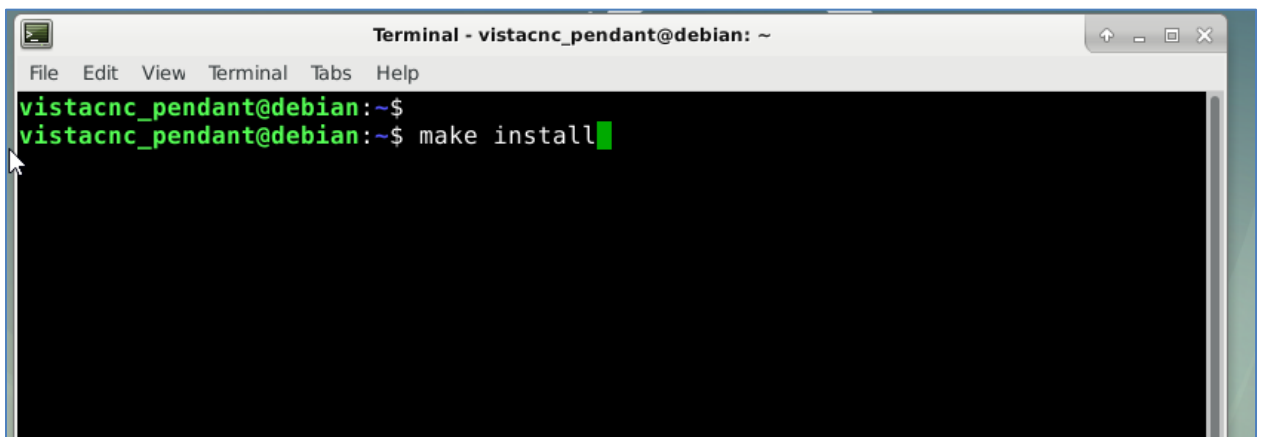
vc-plb.hal (select 2.7 file for LinuxCNC 2.7 or lower, and 2.8 file for LinuxCNC 2.8 pre or higher)

99-vistacnc-pendant.rules

2. Put **Makefile**, **vc-plb** and **99-vistacnc-pendant.rules** to home directory.
3. Open a terminal window, and at your home directory, type **make install**, and **return**. This will install

vc-pla to **/usr/bin**

99-vistacnc-pendant.rules to **/lib/udev/rules.d**



4. Put **vc-plb.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-p1b.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=G10 L20 p1 A0
```

```

91 # Hardware Abstraction Layer section -----
92 [HAL]
93
94 # The run script first uses halcmd to execute any HALFILE
95 # files, and then to execute any individual HALCMD commands.
96 #
97
98 # list of hal config files to run through halcmd
99 # files are executed in the order in which they appear
100 HALFILE = core_sim9.hal
101 HALFILE = sim_spindle_encoder.hal
102 HALFILE = axis_manualtoolchange.hal
103 HALFILE = simulated_home.hal
104 HALFILE = locking_indexer.hal
105 #HALFILE = gamepad.hal
106 HALFILE = vc-pla.hal
107
108 # list of halcmd commands to execute
109 # commands are executed in the order in which they appear
110 #HALCMD =
111         save neta
112
113 # Single file that is executed after the GUI has started. Only supported b
114 # AXIS at this time (only AXIS creates a HAL component of its own)
115 #POSTGUI_HALFILE = test_postgui.hal
116 POSTGUI_HALFILE = vc-pla-postgui.hal
117
118 HALUI = halui
119
120 [HALUI]
121 MDI_COMMAND=...
122 MDI_COMMAND=...
123 MDI_COMMAND=...
124 MDI_COMMAND=...
125 MDI_COMMAND=G10 L20 P1 X0
126 MDI_COMMAND=G10 L20 P1 Y0
127 MDI_COMMAND=G10 L20 P1 Z0
128 MDI_COMMAND=G10 L20 P1 A0
129
130
131
132
133 # Trajectory planner section -----
134 [TRAJ]
135

```