

Work Instruction Bolt - fixing pinch zoom Bolt display

Model	Bolt	Date	09-10-2017
Prepared by	Maurits Hartman	ECN #	

Short title	Software change to enable the mouse cursor			
Change from				
Classification		Troubleshooting		Firmware
	X	Software		Part information
		Mechanical		Electrical
		Filament path		Transmit / receive
		Product safety		Other ()
				Action required
				Service manual revision
				Retrofit information
				Backwards compatible

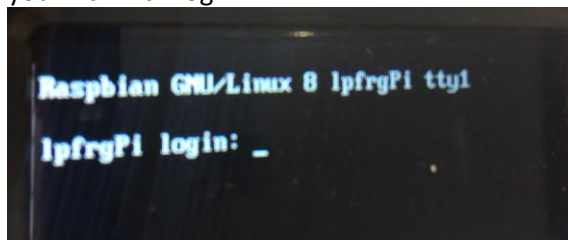
Tools Required

- USB keyboard

In the new Bolt displays, the touch screen has changed allowing to machine to pinch zoom. This should be disabled. This procedure involves changing a configuration file on the Raspberry Pi which compensates for this in software.

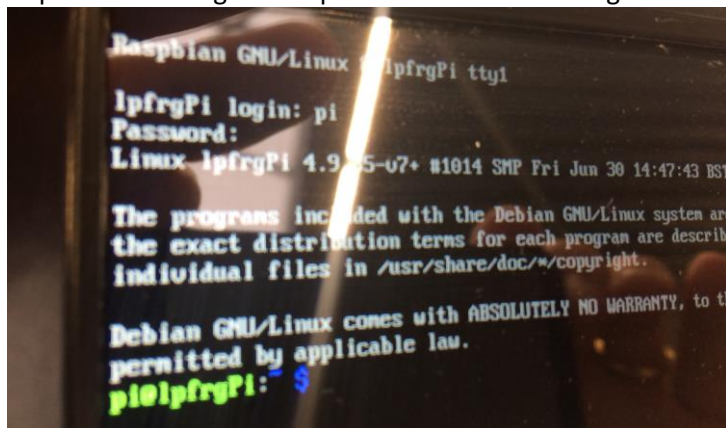
Step 1 – Connect the keyboard to the Bolt and enter Linux

Turn on the Bolt and wait for it to complete startup. Connect the USB keyboard to the front USB connector on the Bolt. Press the **Ctrl+Alt+F1** keys all at the same time. The display will turn black and put you in a Linux login:



Step 2 – Enter login credentials

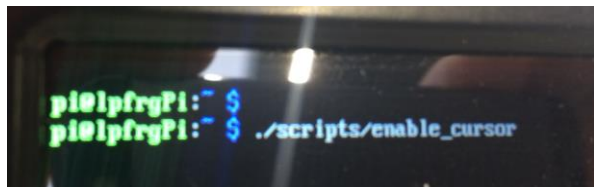
On the screen you are prompted for login credentials. Please use 'pi' as the login name, followed by 'AlphenTEXASFrog' as the password. You will now get a Linux prompt:



Step 3 – Enable the cursor

In the Linux prompt, type the following command *exactly* as shown (including the preceding dot and forward slash):

```
./scripts/enable_cursor
```



And then press **enter**. The screen will now go black and show a spinner while the interface is resetting.

Afterwards, the Bolt user interface should show with the mouse cursor visible and enabled.