


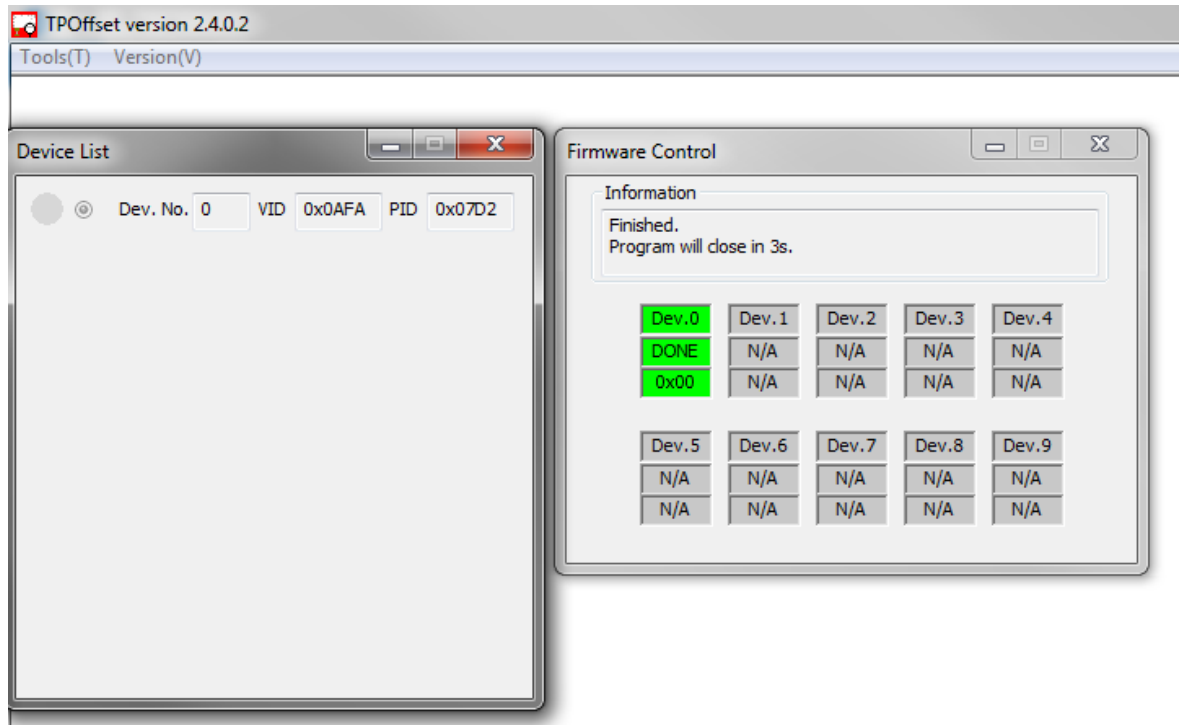
## Avolites LTD Engineering Change Notice

ECN title	DMC Touchscreen Controller Calibration		
ECN Number	ECN-201		
Related Product(s)	Quartz consoles up to QTZ-610		
Date / Author	30/04/2015	Toby Roworth	
Reasons for ECN	Touchscreen driver locks up under certain circumstances		
Parts required	None		
Tools required	USB stick, USB mouse		
Estimated time	10 Minutes		

### Background:

When presented with a large amount of input data, especially multitouch, the touchscreen freezes for several seconds. Running a calibration program fixes this issue.

1. Copy the ECN199\_20131206\_TPOffset folder onto a USB stick
2. Plug the USB stick into the console
3. Plug a USB mouse into the console (optional, but recommended)
4. Open the folder (menu > folders > usb stick > ECN199\_20131206\_TPOffset)
5. Run TPOffset.exe
6. The program will automatically find your touchscreen drivers, calibrate them and then close



7. Unplug the USB stick and mouse
8. Restart the console

This concludes the ECN.