![WANHAO logo] **3D PRINTER**	DATE: 7/12/20 FILE NAME: OQD0120003.doc PAGES: 3 REVISION : A	
TITLE: How to add the BL touch/3D touch onto your D12 printer	**INITIATE BY: Manolo** **APPROVED BY: Gary Chen**	

1.0 Purpose

The original D12/230 and D12/300 has no BL touch for auto leveling. You can purchase the BL touch or 3D touch to upgrade your printer.

2.0 Scope

This document covers D12/230/300

3.0 Download and install the firmware.

3.1 Download the firmware from Wanhao3dprinter.com---Software download.

Make sure you have downloading the corresponding firmware.

D12/230BL   D12/300BL

3.1 Unzip the file can copy into your SD card or Micro SD card.

- mks_font
- mks_pic
- Robin_nano35.bin
- robin_nano35_cfg.txt
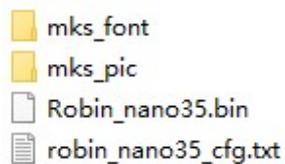
3.2 Insert the SD card or Micro SD card into the printer card reader.

3.3. Turn on the printer. The printer would start flashing automatically. After finishing flashing, printer would come back to starting screen as below. Please delete firmware inside SD card.

4.0 Open the upgrading pack and install the hardware

4.1 Open the upgrading pack and check the parts.

1x BL touch/3D touch ; 1 x amounting plate(already installed); 2x binding cable; 1x black cable for BLtouch/3D touch; 1x cable for motherboard side.   2x M6x6mm bolt; 2 x M3x6 set screw.


4.2 In stall the 6 pin white connector into BL touch female connector. Amount the BL touch onto the side of the extruder 2 bolt hole. Then use the 2 biding cable to secure the BL touch cable.

4.3 Open the bottom plate and Insert the 3 Pin connector onto the BL touch 3 pin female connector. The other 2 pin connector into the Green female connector.
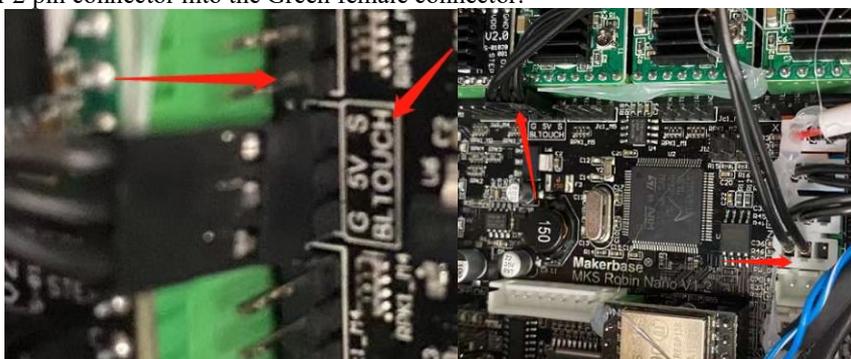
4.4 Insert the cable through the hole and connect the connector from both BL touch/ 3D touch side cable

4.5 Video instruction. https://www.youtube.com/watch?v=MI0nSRdB8Qs
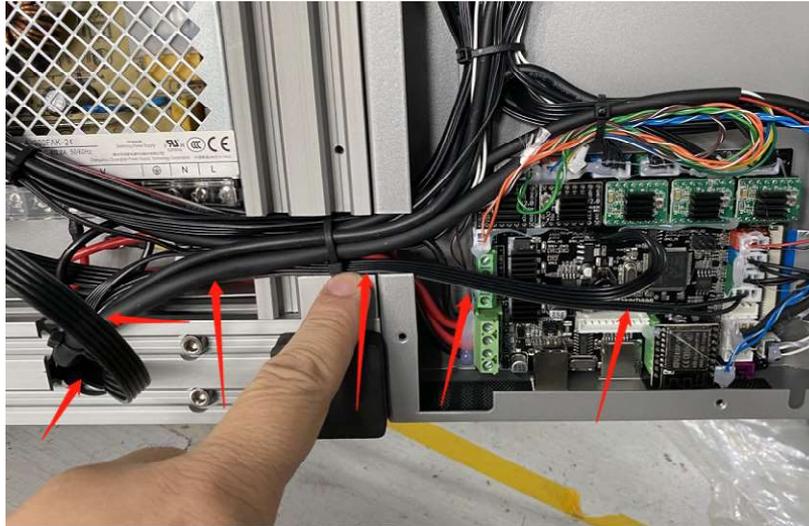
Initiate by Manolo 7th Dec 2020