CR-Touch Manual
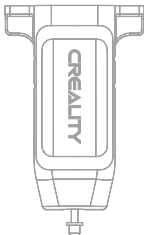
AUTO BED LEVELING SENSOR FOR 3D PRINTER

Apply to 32-bit motherboards

Note: During CR Touch installation,remember to pull out the Z endstop switch for auto leveling. Otherwise it won't work.

CR Touch

Connectors

Tie

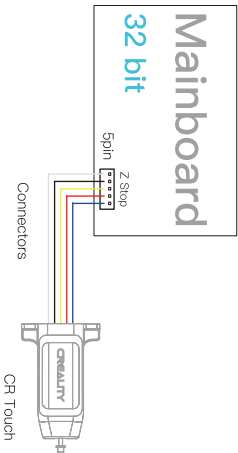Ender-3 | Ender-3s | CR-10
Ender-3Pro | Ender-5/5S/5Pro

Ender-3 MAX

Ender-3 V2

M3*8 2Pcs

Mainboard
32 bit

5pin

Z Stop

Connectors

CR Touch

CREALITY
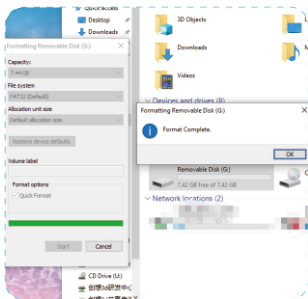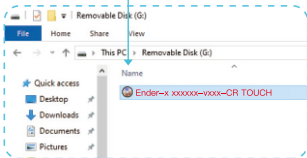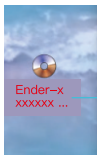
Application:
Ender-3 Series | Ender-5/5S/5Pro
CR-10 | Ender-6 (No rack)

1. Double-click to open computer-right-click to format SD card.

Ender-x
XXXXXX ...

Name

Ender-x xxxxxx-vxxx-CR TOUCH

Note: Every machine has different firmware files.

File download website:
https: www.creality.com/download/

2. Copy the firmware to the SD card.
Note: the SD card can only hold one firmware file.

3. Insert SD card.

4. Insert the power cord and press the switch.

Note: Every machine has its own operation interface.

5. Wait for the firmware to complete upgrade. (about 10 seconds).
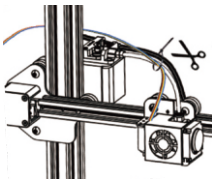
1. Insert connectors into 5 Pin Port.

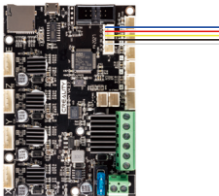2. Install CR Touch on the rack with
   2 M3*6 screws.

3. Loosen all fan cover screws, install the CR Touch rack on the corresponding position with 2 M3*8 screws.

4. Tie the CR Touch cable together with other printer cables like the above picture shown.

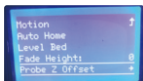Note: Unplug the cable from Z endstop/limit switch.

Figure3

0.2mm
A4 paper

Rotate the knob until the distance between the nozzle and the printer bed is about 0.2mm (as a sheet of A4 paper).

Info Screen
Prepare
Control
No TF Card
About Printer

Main
Move Axis
Auto Home
Set Home Offsets
Disable Steppers

Info Screen
Prepare
Control
No TF Card
About Printer

Main
Temperature
Motion
BLTouch
Bed Leveling

1. Prepare → Auto home, and wait until.
it stops.

2. Select "Control" .

3. Select "Bed leveling" .

4. Select "Level-Bed" .
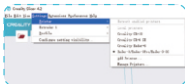
5. leveling 9 points.

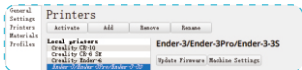6. 9 points leveling completed.

7. automatic leve-ling is completed, the machine is ready.

Note: Every machine has its own operation interface.

Software Settings

1. Open Slicer.

2. Settings → Printer → Manage Printers.

3. Machine Settings.

Machine Settings

Printer	Extruder 1

Printer Settings

X (Width)	220	mm
Y (Depth)	220	mm
Z (Height)	250	mm
Build plate shape	Rectan... ∨	
Origin at center		
Heated bed	✓	
G-code flavor	Marlin ∨	

Printhead Settings

X min	26	mm
Y min	32	mm
X max	32	mm
Y max	34	mm
Gantry Height	25	mm
Number of Extruders	1 ∨	

Start G-code

```
M201 X500.00 Y500.00 Z100.00 E500
M203 X500.00 Y500.00 Z10.00 E50.0
M204 P500.00 R1000.00 T500.00 ;Se
M205 X8.00 Y8.00 Z0.40 E5.00 ;Set
M220 S100 ;Reset Feedrate
M221 S100 ;Reset Flowrate

G28
G29 ;Home
```

End G-code

```
G91 ;Relative positioning
```

4. Change "G28" to "G28G29".

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