INTRODUCTION
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• Target :

Propose a visual assembly instruction guide of the different available options for the MicroDelta Rework.

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• Links :

You can find more informations on the following links :

eMotion Tech’s website : http://www.emotion-tech.com
## SUMMARY

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HEATING BED

Needed parts:

- 1 x Lower plate
- 1 x Heating patch
- 1 x Thermistor
- 1 x Aluminium plate
- 3 x M3 x 10 mm countersunk screw
- 3 x Standoff spacer
- 1 x Adhesive patch «3dBedFix»

1 x Aluminium plate

3 x Standoff spacer

1 x Heating patch

1 x Thermistor + extension

3 x M3 Countersunk screws

1 x 3DBedFix
Top side = **WITH** countersinks

Bottom side = **WITHOUT** countersinks

Heating patch and the thermistor will be fixed against the lower side of the plate.
Target: assemble the aluminium plate, the heating patch and the thermistor

1°) Place the ball of the thermistor in the central hole of the plate. Make sure the ball does not exceed the upper face.

2°) Apply the heating patch over the cable of the thermistor. Check that the cable is as flat as possible.
Bottom face = **WITHOUT** countersink

Plug the extension here
Target: mount the standoff spacers

Result
**Target**: Routing the cables

Pass the thermistor’s and heat patch’s cable in the slot.

**Target**: Screw the heated bed on the lower plate

Plate bed upper side

Lower plate

M3 x 10 mm countersunk screw
Thermistor’s connection should be located between the heated bed and the lower plate as shown below.
**Target**: Apply the adhesive patch «3DBedFix» on the heated bed
ASSEMBLY

Target: plug the heating patch and the thermistor of the heating bed
Modifying the configuration file:

1°) Go to the Support section of www.emotion-tech.com. In the «MicroDelta Rework / Software / Software / Configuration» tree you will find all the available versions of the configuration file.

Download the version that corresponds to your printer (depending on your options)

2°) Unzip the downloaded file and copy its content into the SD card of the eMotronic board. Replace existing files if necessary.

3°) Press the Reset button.
**LCD SCREEN**

**Needed parts:**
- 1 x Right side LCD cover
- 1 x Left side LCD cover
- 1 x Front plate LCD cover
- 1 x LCD screen
- 6 x M3x12mm screw
- 2 x Ribbon cable

**Target:** Mount the LCD screen on the 3D printer.

**Pre-requisites:**
The two screen covers (right and left) are to be printed by yourself. To download these two parts, go to the Support section of www.emotion-tech.com, then go to «MicroDelta Rework / Ressources_3D / Option LCD».

1 x LCD screen  
1 x Front plate LCD cover  
1 x Right side LCD cover  
1 x Left side LCD cover  
6 x M3x12mm screw  
2 x Ribbon cable
Target: preposition the screws in the printed covers

M3x12 screw

Left side LCD cover

M3x12 screw

Right side LCD cover

Result
**Target:** Plug the Ribbon cables on the screen

![Diagram of LCD screen and cables](image-url)
**Target**: preposition the LCD screen between the two covers (right and left)
Target: mount the LCD on the printer

Route the ribbon cables through the rectangular slot

Tighten the two M3x12 screw on the lower plate of the printer

Result
Target: mount the front plate LCD cover
Target: connect the LCD screen to the eMotronic board

Plug both ribbon cables on the emotronic board
Modifying the configuration file:

Note: Without modification of the configuration files, your LCD screen will be preconfigured on a stable version (and therefore plug & play). However, if you want to acquire the latest version of the firmware, you can follow the following tutorial.

1°) Go to the Support section of www.emotion-tech.com. In the «MicroDelta Rework / Software / Software / Configuration» tree you will find all the available versions of the configuration file.

You will notice that two versions are available:
- Stable version
- A Beta version (in development, it integrates the function of calibration of the plate)

Download the version that corresponds to your printer (depending on your options)

2°) Unzip the downloaded file and copy its content into the SD card of the eMotronic board. Replace existing files if necessary.

3°) Press the Reset button.
CONGRATULATIONS!
Your options are ready!
Thank you for choosing us!

www.emotion-tech.com