

How to connect to PC and print from PC

for Melzi board

Ver: 2.0

Step 1. Connect printer to PC using a USB cable, turn on the 3D printer's power.



Turn on the 3D printer's
POWER



Plug USB terminal to PC



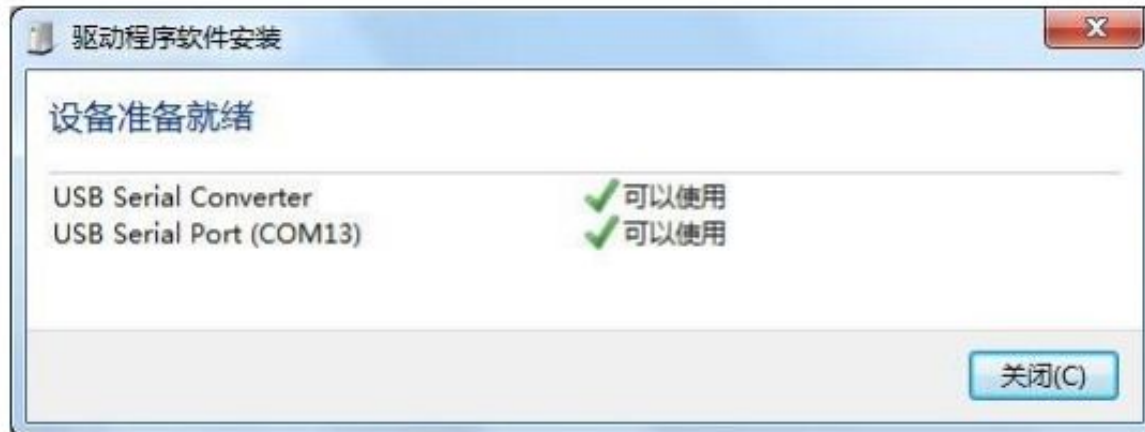
Plug mini-USB terminal
to Melzi control board

Step 2.Install Driver.

After the USB cable plugged, PC will auto install driver on above windows 7, if you use the other OS, please refer to this website to download driver:
<http://www.ftdichip.com/>

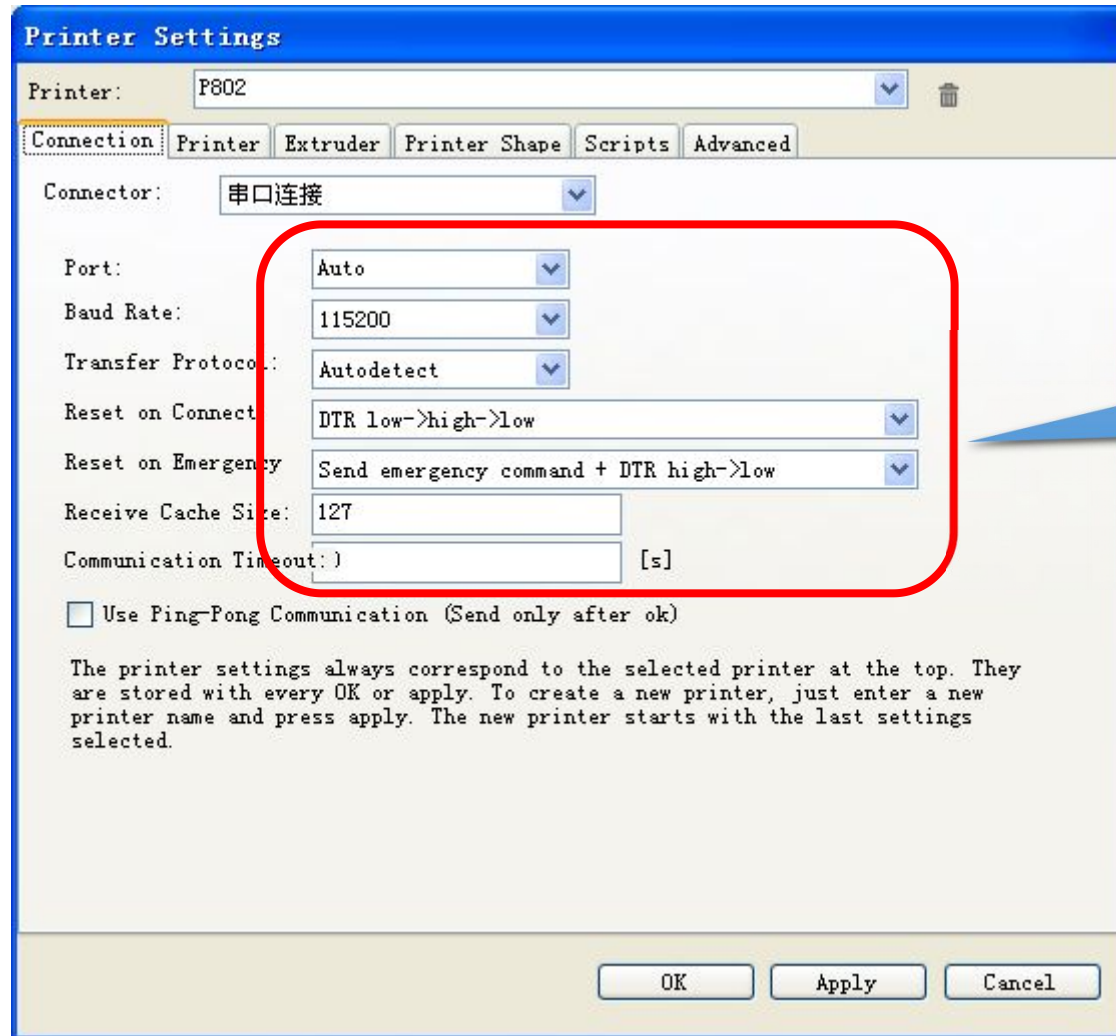


Search driver from internet automatic...



Driver installed!

Step 3. Connect to repetier-host.



The screenshot shows the 'Printer Settings' dialog box with the 'Connection' tab selected. The 'Printer' dropdown is set to 'P802'. The 'Connector' dropdown is set to '串口连接'. A red rounded rectangle highlights the following settings: 'Port' (Auto), 'Baud Rate' (115200), 'Transfer Protocol' (Autodetect), 'Reset on Connect' (DTR low->high->low), 'Reset on Emergency' (Send emergency command + DTR high->low), 'Receive Cache Size' (127), and 'Communication Timeout' (empty field with '[s]' unit). Below these, there is a checkbox for 'Use Ping-Pong Communication (Send only after ok)' which is unchecked. At the bottom are 'OK', 'Apply', and 'Cancel' buttons.

Printer: P802

Connection Printer Extruder Printer Shape Scripts Advanced

Connector: 串口连接

Port: Auto

Baud Rate: 115200

Transfer Protocol: Autodetect

Reset on Connect: DTR low->high->low

Reset on Emergency: Send emergency command + DTR high->low

Receive Cache Size: 127

Communication Timeout:) [s]

☐ Use Ping-Pong Communication (Send only after ok)

The printer settings always correspond to the selected printer at the top. They are stored with every OK or apply. To create a new printer, just enter a new printer name and press apply. The new printer starts with the last settings selected.

OK Apply Cancel

Please follow these setting

Step 4. Print setting.

Printer Settings

Printer: P802

Connection Printer Extruder Printer Shape Scripts Advanced

Travel Feed Rate: 4800 [mm/min]

Z-Axis Feed Rate: 600 [mm/min]

Manual Extrusion Speed: 50 100 [mm/s]

Manual Retraction Speed: 30 [mm/s]

Default Extruder Temperature: 200 °C

Default Heated Bed Temperature: 55 °C

☒ Check Extruder & Bed Temperature

☒ Remove temperature requests from Log

Check every 3 seconds.

Park Position: X: 0 Y: 0 Z min: 0 [mm]

☒ Send ETA to printer display ☐ Go to Park Position after Job/Kill

☒ Disable Extruder after Job/Kill ☒ Disable Heated Bed after Job/Kill

☒ Disable Motors after Job/Kill ☒ Printer has SD card

Add to comp. Printing Time 8 [%]

Invert Direction in Controls for ☐ X-Axis ☒ Y-Axis ☐ Z-Axis

OK Apply Cancel

Printer setting

Step 4. Print setting.

Printer Settings

Printer: P802

Connection Printer **Extruder** Printer Shape Scripts Advanced

Number of Extruder: 1

Max. Extruder Temperature: 280

Max. Bed Temperature: 110

Max. Volume per second 10 [mm³/s]

☐ Printer has a Mixing Extruder (one nozzle for all colors)

Extruder 1

Name:

Diameter: 0.4 [mm] Temperature Offset: 0 [° C]

Color:

Offset X: 0 Offset Y: 0 [mm]

OK Apply Cancel

Extruder setting

Step 4. Print setting.

Printer Settings

Printer: P802

Connection Printer Extruder **Printer Shape** Scripts Advanced

Printer Type: Classic Printer

Home X: Min Home Y: Min Home Z: Min

X Min	0	X Max	250	Bed Left:	0
Y Min	0	Y Max	250	Bed Front:	0
Print Area Width:	220			mm	
Print Area Depth:	220			mm	
Print Area Height:	230			mm	

The min and max values define the possible range of extruder coordinates. These coordinates can be negative and outside the print bed. Bed Left/front define the coordinates where the printbed itself starts. By changing the min/max values you can even move the origin in the center of the print bed, if supported by firmware.

Y Max

D

E

OK Apply Cancel

print size

More information about repetier-host, please refer to:
<http://www.repetier.com/documentation/repetier-host/>