PANDA TOUCH

Alignment Magnets
Magnetic Charging Pad Positive
Magnetic Charging Pad Negative

USB Drive

POWER   I2C

I²C Interface: Connect temperature/humidity sensors, etc

Fixed Hole
Screw Hole

Power Switch:
OFF : Power Off
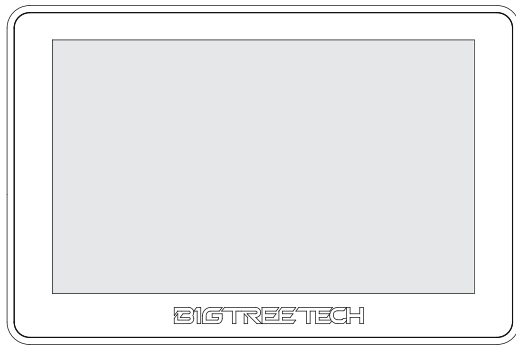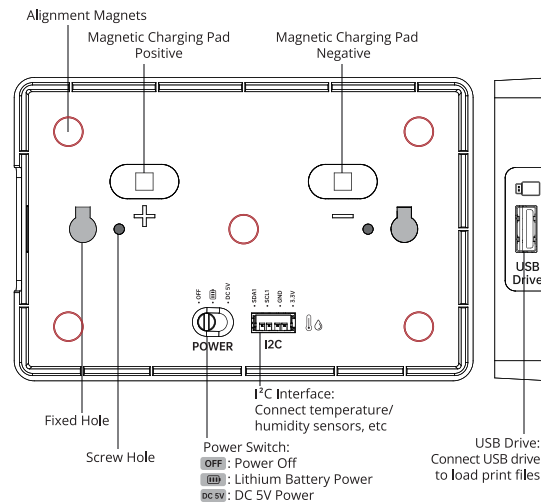⊞ : Lithium Battery Power
DC 5V : DC 5V Power

USB Drive: Connect USB drive to load print files
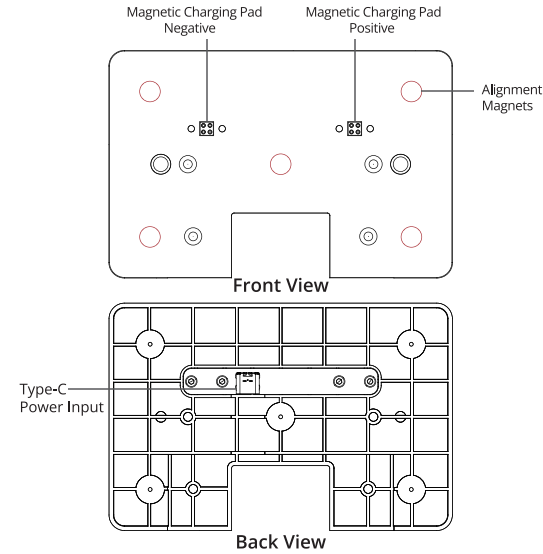
*Slide the power switch to ⊞ for Panda Touch to run on its lithium battery, enabling portability. Slide it to DC 5V for direct power from the magnetic charging dock, preserving the internal battery's lifespan. To OFF turns off Panda Touch.
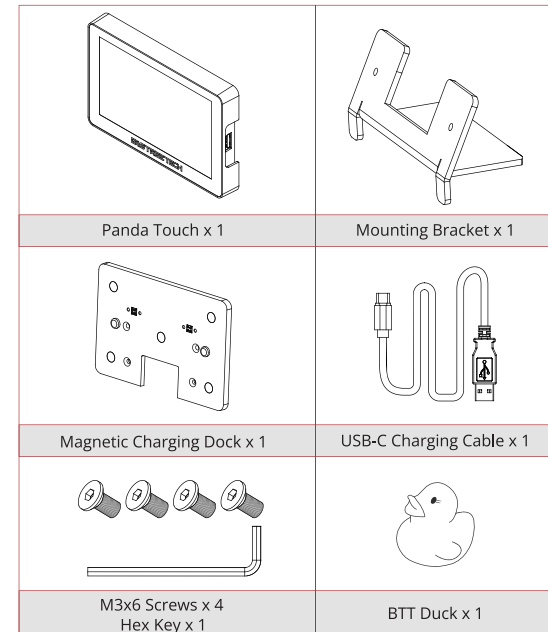
PANDA TOUCH
User Manual

BIGTREETECH

CHARGING DOCK

Magnetic Charging Pad Negative
Magnetic Charging Pad Positive
Alignment Magnets

Front View

Type-C Power Input

Back View

*The power input has been outfitted with hot-plug protection, allowing users to hot-plug the power supply.

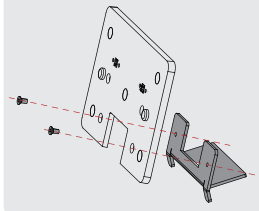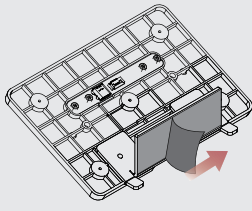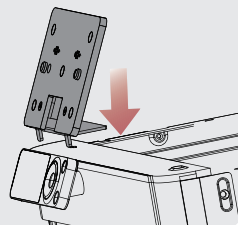|	
Panda Touch x 1	Mounting Bracket x 1
Magnetic Charging Dock x 1	USB-C Charging Cable x 1
M3x6 Screws x 4 Hex Key x 1	BTT Duck x 1

1. Installing Panda Touch

❶ Use a screwdriver and the two M3x6 FHCS to assemble the Charging Dock and the Mounting Bracket as shown.

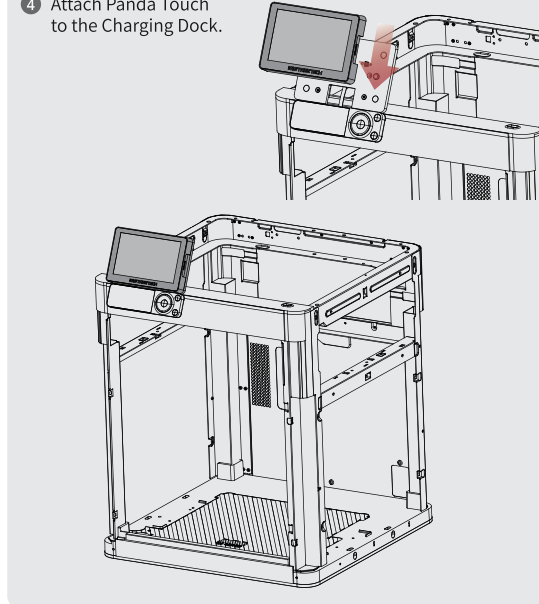❷ Peel off the film from the bottom side of the Mounting Bracket.

❸ Ensure the printer surface is clean and free of oil, grease, etc., attach the assembled Charging Dock centrally atop the original screen. Apply pressure to adhere fully and allow 12 hours for optimal adhesion.
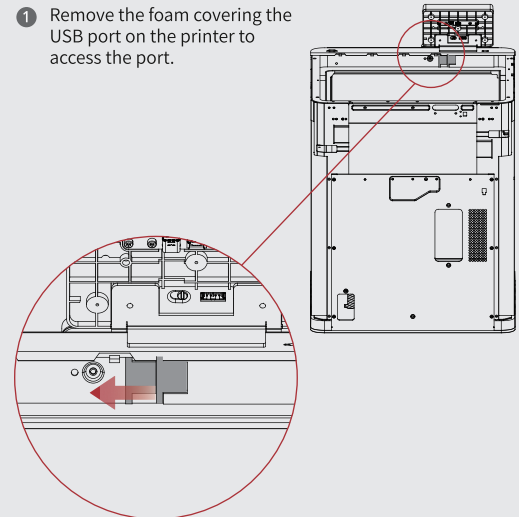
❹ Attach Panda Touch to the Charging Dock.

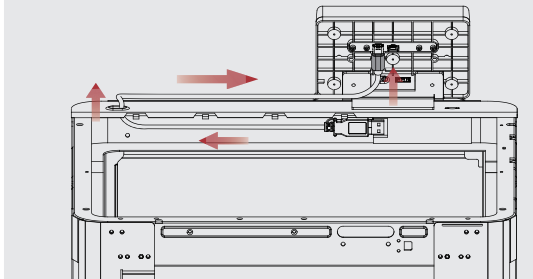## 2. Wiring and Power Connection
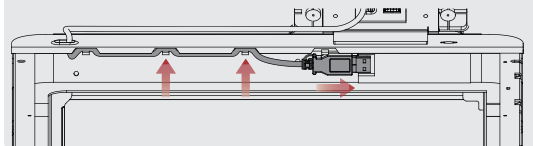
❶ Remove the foam covering the USB port on the printer to access the port.

❷ Thread the Charging Cable through the hole on the right side of the printer, then plug the USB-C end into the power input of the Charging Dock.
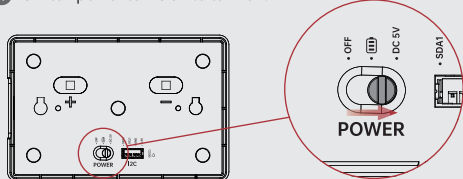

❸ Insert the USB-A end of the charging cable into the USB port on the printer to connect the power supply. Then arrange the cable in the clip as shown.
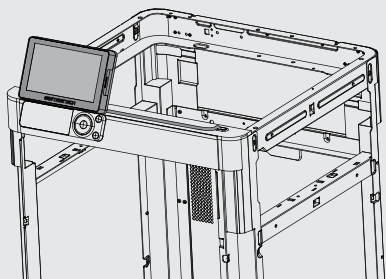
❹ Switch power to DC 5V to turn on.

POWER

❺ Panda Touch has been successfully installed and powered on. Please follow the on-screen instructions for the next setup step.

MCU	Xtensa 32-bit LX7 dual-core ESP32S3R8, up to 240MHz clock speed.
Memory	PSRAM-8MB, Flash-16MB
Display Size	5"
Resolution	800 x 480
Viewing Angle	IPS Full View
Display Colors	16.7M
Communication	2.4G Wi-Fi (IEEE 802.11 b/g/n)
Operating Temperature	0-60°C
Operating Current	5V 0.5A (Peak 0.7A)
Logic Voltage	3.3V
Built-in Battery	Enables Panda Touch portable use for up to 0.5 hours.
Charging Time	1.2 hours
Expansion Interfaces	I²C (For temperature/humidity sensors, etc.); USB Drive (For reading USB drives)

• When using "LAN Only" mode, firmware versions below V1.05.01.00 on the P1P/S will only allow either the Panda Touch or Bambu Studio to connect to the printer at one time. Firmware versions above that will allow both connections simultaneously.
• When using "Cloud" mode, firmware versions below V1.05.01.00 on the P1P/S will allow both Bambu Studio and the Panda Touch to connect simultaneously. However, they will not allow a third device such as Home Assistant to connect. Firmware versions above that will allow all three simultaneous connections.
• MicroSD card and USB drive files can currently only be read from the root directory and will only be recognized when models are sliced in Build Plate #1 in Bambu Studio and are in 3mf format.
• Please check the firmware listing in the product page description to ensure that your printer firmware is compatible with the Panda Touch. Updating printer firmware to an incompatible version that may limit the functionality of the Panda Touch is not covered under the Warranty.
• When running on its built-in lithium battery, the Panda Touch has a battery life of only 0.5 hours. To maintain the battery and extend the lifespan of the product, it is advised to charge the Panda Touch immediately or turn it off as soon as the battery runs out.
• The screen may flicker when the lithium battery is low on power. This flickering is normal and acts as a warning to users that the battery is almost empty. Users should then promptly charge the battery or turn off the Panda Touch.
• If you plan to turn your printer on and off frequently then we recommend running the Panda Touch on USB direct mode. This bypasses the battery and prevents the battery from being taken through many cycles. If you want to run off the battery then simply flick the switch on the back of the Panda Touch to the battery power mode.

Scan the left QR code for software usage details and more product information.

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For Makers. By Makers.

Should you encounter any issues during installation, please feel free to contact us for assistance.

service005@biqu3d.com

http://www.bigtree-tech.com/