Tiko 3D Ltd.

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FCC ID: 2AIHU-TIKO01

User Manual

The following pages contain the User Quick Start Guide for the Tiko. These files exist to help get the user started with Tiko and thus do not contain any certification or safety information. This information will be included in the product package as a separate sheet of information containing safety and certification information as well as any warrantee information.

GET TO KNOW TIKO

With TIKO's help, you can transform your ideas into 3-Dimensional objects. But first, get to know your TIKO. By understanding these specifications, you'll be able to make amazing prints! What are you waiting for? Go create!

Spool Chamber
Fits Standard 165mm 1KG Roll of 1.75mm Filament.

Materials Supported
PLA, ABS, HIPS, Nylon and More.

Power Adapter
Output 9V – 3A
Height x Width
3.5mm x 6.5mm

Layer Resolution
Thickness of the layers.
.05 – .25mm

Wi-Fi Specifications
Station and Access Point.
802.11 b/g/n

Height:
390mm

Width: 237mm

Max Nozzle Temp:
250°C

What's in The Box...

1x Spool of Filament

+

Additional Printed Materials

+

1 x Power Adapter

TIKO
QUICK START GUIDE

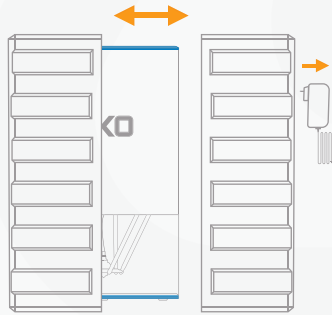Questions? Get answers at support.tiko3d.com

Thank You

Welcome to TIKO Simply by owning a Tiko 3D printer, you're opening up a world of possibilities for yourself and the world at large. Your TIKO has been engineered to print right out of the box, so let's get you started!
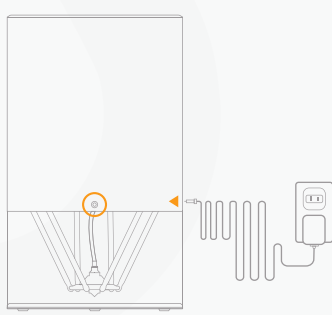
1. Setting Up

i Ready? Here We Go...

Remove the power adapter and TIKO's armour from the box. Carefully separate. Place TIKO on a stable surface and peel off the protective tape.

ii Bring TIKO to Life!

Plug the included power cable into your TIKO and connect to an electric outlet. Once powered, TIKO's LED lights turn on. He's alive!

Understanding TIKO's Lights

During start-up TIKO communicates with you through its LED lights. Cool eh? This will come in handy during set-up. Here is what TIKO is trying to tell you:
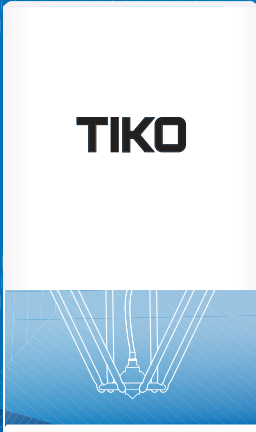
i Gentle Glow

TIKO doesn't recognize any nearby networks, and is in Hotspot Mode.

ii Rapid Flashing

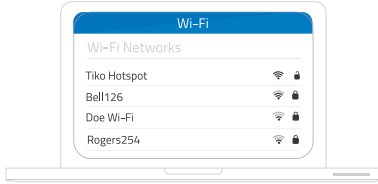Uh oh, TIKO's self-diagnostic algorithm has detected a problem. See the FAQ.

iii Solid Light

TIKO has established a connection!

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2. Talk to your TIKO

i TIKO Wants to Connect

Connect to TIKO's Wi-Fi hotspot found in your computers Wi-Fi Networks. Tiko's LED's should be solid light.

ii Take Control

Open your browser and go to print.tiko/ to access TIKO's user interface. This could take up to a minute.

> **Print Online (optional)**
> We at TIKO are always pushing the limits! Connect TIKO to the web to automatically get the latest firmware and features!
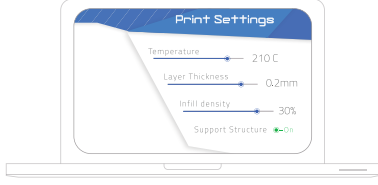
3. Get Ready...

i Strike a Pose!

Your first print with TIKO, how exciting! We have provided you with a demo model to make your first print. TIKO creates 3D models using the .STL file format.

ii Print Settings

Don't worry about settings just yet, TIKO is pre-set to print most objects, but in case you need them, here are the defaults.
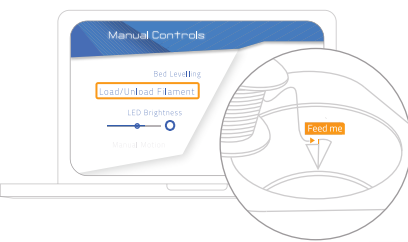
4. Get Set...

i Level Up

TIKO has been through quite a journey! Before printing, enter bed-levelling mode and perform an Auto-Level to ensure your parts stick to the bed.

ii Load Filament

TIKO is hungry for filament. First click the load/unload filament button before feeding the filament into the guided tube.

PRINT

Troubleshooting Common Issues

Problem	Solution
Can't connect to the printer	• Double check your device is connected to Tiko's WiFi hotspot. • Using a VPN? Disconnect it. • Using a custom DNS? Reset to default settings. • Using a firewall/antivirus? Temporarily disable it. • Instead of print.tiko/, try typing 192.168.1.1 into your browser. • Try another browser. • Try another computer/device.
Prints not sticking to the bed	• Re-try auto level. • If some regions of the bed stick better than others, try manual fine-tuning of the bed level. Lower is better as long as the nozzle doesn't scrape the surface. • Wash any debris off the print bed and dry thoroughly. • Spray sticky hairspray onto bed surface. • Raise nozzle temperature by 5-10 C. • Ensure that you are using genuine TIKO filament.
No material being extruded	• Re-try auto level. • Check that filament is properly loaded and not tangled. • Increase nozzle temperature by 5-10 degrees C.
Tiko failed self diagnostics	• Flashing lights occur during updates, and could easily be misinterpreted as self-diagnostic failure. Wait 2 minutes then restart and see if lights are still flashing. • Ensure all wires are properly plugged in. • Ensure Tiko is upright and on a stable surface when plugged in. • Raise nozzle temperature by 5-10 C. • Take error code (from Tiko's hotspot name) and enter it at support.tiko3d.com.

Didn't find a Solution? Here are some more options:

• Try the Tiko forum at forum.tiko3d.com where you can mingle with fellow Tikonaughts and learn all the tips and tricks.

• Visit support.tiko3d.com where you can see a more extensive FAQ and other information. There's even a contact-us form so we can help you one on one!