

Handheld Stabilizer User Manual

V1.1



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Product Introduction

The S1 Handheld Stabilizer's gyroscopes provide high-precision stabilization for handheld scanning, helping to avoid loss of tracking and providing a smoother scan. The motorized axes allow you to smoothly pan or tilt the scanner as you move around the object.

Specifications

Product Name	Handheld Stabilizer
Model	S1
Compatible Devices	MINI
Power Output	5V/2A
Dimension	213mm x 84.5mm x 45mm
Net Weight	510g
Battery Type	Lithium
Battery Capacity	4000mAh
Operating Time	Around 6 hours
Recharging Time	4.5 hours
Stabilized Axes	2
Controllable Range	Tilt $\pm 45^\circ$; Pan $\pm 85^\circ$
Connection Type	Bluetooth
Charging Port Type	USB Type-C
Working Temperature	10°C-40°C
Package List	Handheld Stabilizer x1, Type-A to C USB Cable x1, Bracket x1, Strap x1
Note	*Operating time may vary depending on different scenarios and environments.

Functions Overview



- ① **Bluetooth LED:** The LED light flashes blue continuously while waiting for a connection. Once connected successfully, the LED turns solid blue.
- ② **Joystick:** Adjusts the tilt and pan.
- ③ **1/4 Threaded Hole:** To mount the phone holder bracket.
- ④ **ON/OFF Switch:** Long-press to power on/off the Handheld Stabilizer. Press twice to change between Follow/Lock Mode.
- ⑤ **Battery Level LED:** Shows the remaining battery level. The LED light flashes continuously when charging and turns solid white when fully charged.
- ⑥ **Start/Pause Button:** Press to start or pause the scan. Press twice to recenter the Handheld Stabilizer.

Charging the Handheld Stabilizer

1. Connect the USB-Type A end of the cable to an adapter, then plug it into a socket.
2. Plug the USB-Type-C end into the Handheld Stabilizer's Type-C port.
3. The Handheld Stabilizer is fully charged when the battery LED turns solid white.



Connecting the Handheld Stabilizer to MINI 3D Scanners

1. Clip the MINI into the quick-release slot on top of the Handheld Stabilizer.
2. Connect and secure the Micro-B USB cable to the scanner.



For freedom of movement, connecting the MINI via Wi-Fi is recommended when using the Handheld Stabilizer.

Using the Handheld Stabilizer with a PC via Wi-Fi

1. Power on the Handheld Stabilizer

Long-press the ON/OFF button to power on the Handheld Stabilizer. The Bluetooth LED flashes blue continuously when it is ready for connection.

2. Adding the Handheld Stabilizer via Bluetooth

Open your PC's Bluetooth settings and look for a device named "REVO_STABILIZER", then click Connect to add the Handheld Stabilizer.

3. Connecting to a PC's Wi-Fi with MINI

Open the PC's Wi-Fi settings and connect to the MINI's Wi-Fi SSID.

4. Open Revo Scan to Start your Scan

1. Adjust the scanner's position with the Handheld Stabilizer joystick.
2. Press the Handheld Stabilizer's Start/Pause button to begin scanning.

Using the Handheld Stabilizer with a Smartphone via Wi-Fi

1. Attaching the bracket and phone holder

- A. Insert and screw the bracket into the Handheld Stabilizer's 1/4 threaded hole.
- B. Attach the Phone Holder to the bracket
- C. Insert your phone into the clamp.



Note: Use the Phone Holder that came with your MINI

2. Connecting to a smartphone's Wi-fi with MINI

Open the smartphone's Wi-Fi settings and connect to the MINI's Wi-Fi SSID.

3. Open Revo Scan to Start your Scan

1. Adjust the scanner's position with the Handheld Stabilizer joystick.
2. Press the Handheld Stabilizer's Start/Pause button to begin scanning.