

# Handheld Stabilizer User Manual

V1.0



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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.

**\*Follow Mode:** The stabilizer follows the object automatically.

**\*Lock Mode:** The stabilizer locks itself in a fixed position.

## 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.