

Handheld Stabilizer

User Manual v2.1

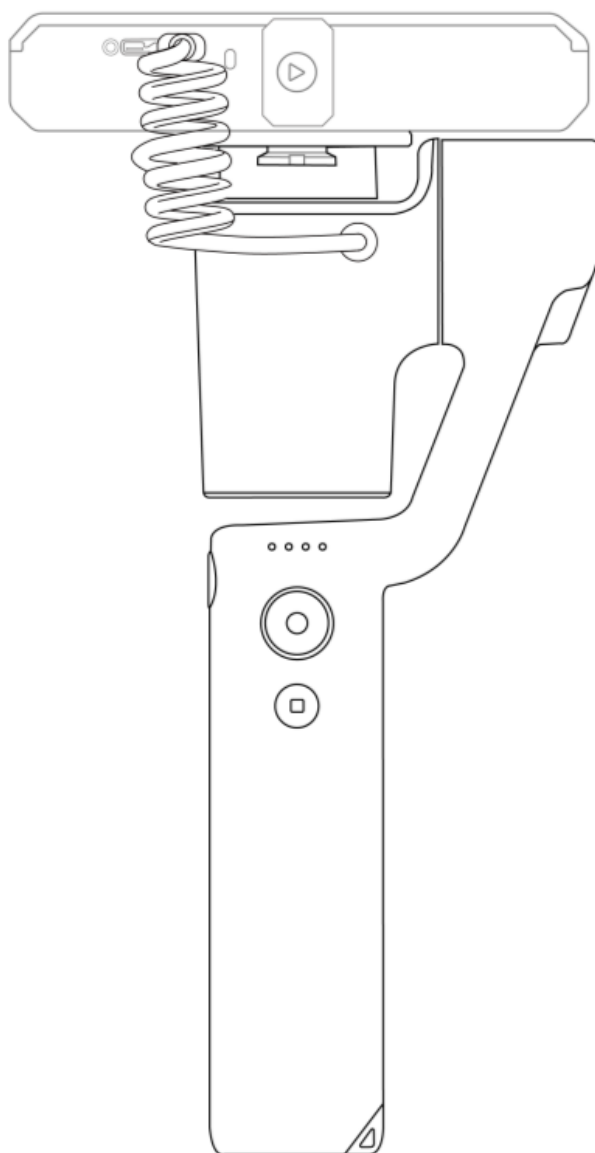
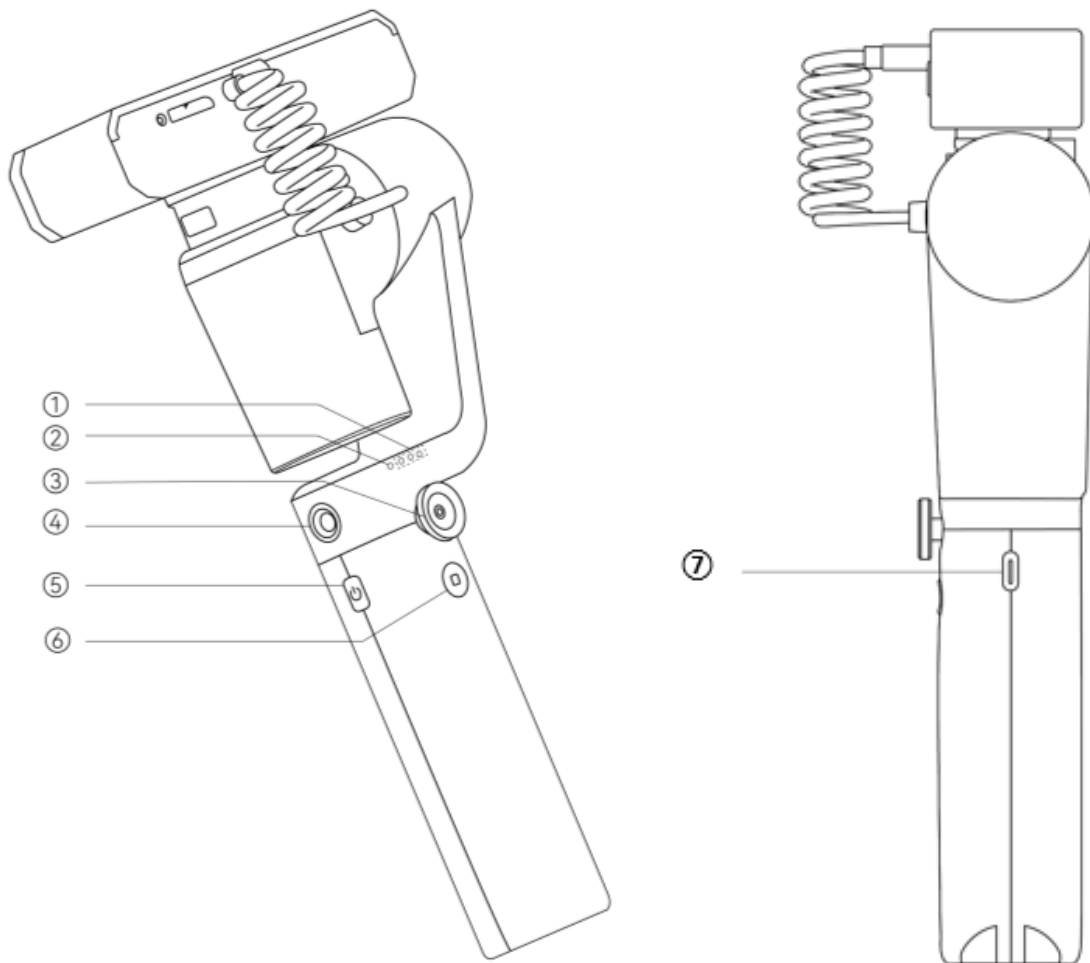


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Introduction

The Revopoint Handheld Stabilizer is specially designed for smooth handheld scans. Its high-precision gyroscope and anti-shaking systems significantly reduce low-point cloud accuracy and tracking loss due to shaking. The motorized axes allow you to pan or tilt the scanner as you move around the object.



① Battery Indicator

Shows the remaining battery level. The LED indicator flashes continuously while charging and turns solid white when fully charged.

② Bluetooth LED

Shows the Handheld Stabilizer's Bluetooth connection status.

Flashing Blue: Powered on, and the Bluetooth is ready for connection.

Solid Blue: Bluetooth connected successfully.

③ Joystick

Controls the scanner's movement.

Up/Down: Tilt control

Left/Right: Pan control

④ 1/4 Threaded Hole

Screw in the phone holder bracket, then attach the Phone Holder that came with your Revopoint 3D scanner if you want to connect your phone.

⑤ ON/OFF Switch

Press and hold to power on/off the Handheld Stabilizer.

Press once to recenter the Handheld Stabilizer.

Double press quickly to change between Follow/Pan Locked mode.

⑥ Start/Pause Scan Button

Press once to start or pause the scan.

Double press to activate or deactivate Intelligent Tracking mode.

⑦ Type-C Port

The Handheld Stabilizer's charging port.

Working Mode

Intelligent Tracking Mode

In this mode, the Handheld Stabilizer will automatically keep the 3D scanner focused on the object being scanned as you move around it.

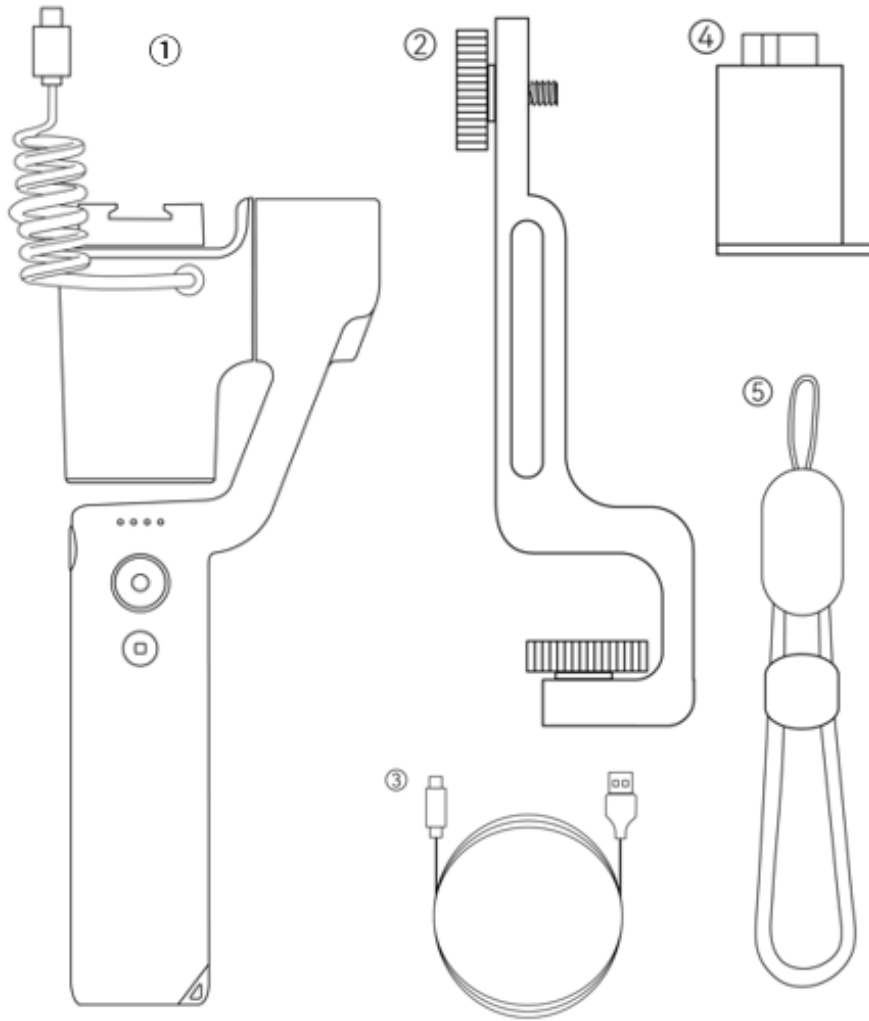
Pan Locked Mode

The pan motor is locked in place without follow the handle's movements.

Specifications

Product Name	Handheld Stabilizer
Compatible Scanners	Revopoint 3D Scanners
Power Output	5V/2A
Dimensions	213mm × 84.5mm × 45mm
Weight	510g
Battery Type	Lithium
Battery Capacity	4000mAh
Operating Time	Around 6 hours
Recharging Time	4 hours
Stabilized Axes	2
Controllable Range	Tilt±45°, Pan±85°
Connection Type	Via Bluetooth
Charging Port Type	USB Type-C
Working Temperature	10°C to 40°C
Note	*Operating time may vary depending on different scenarios and environments.

What's in the Box?



- ① Handheld Stabilizer
- ② Phone Holder Bracket
- ③ Charging Cable
- ④ Type-C Adapter
- ⑤ Strap

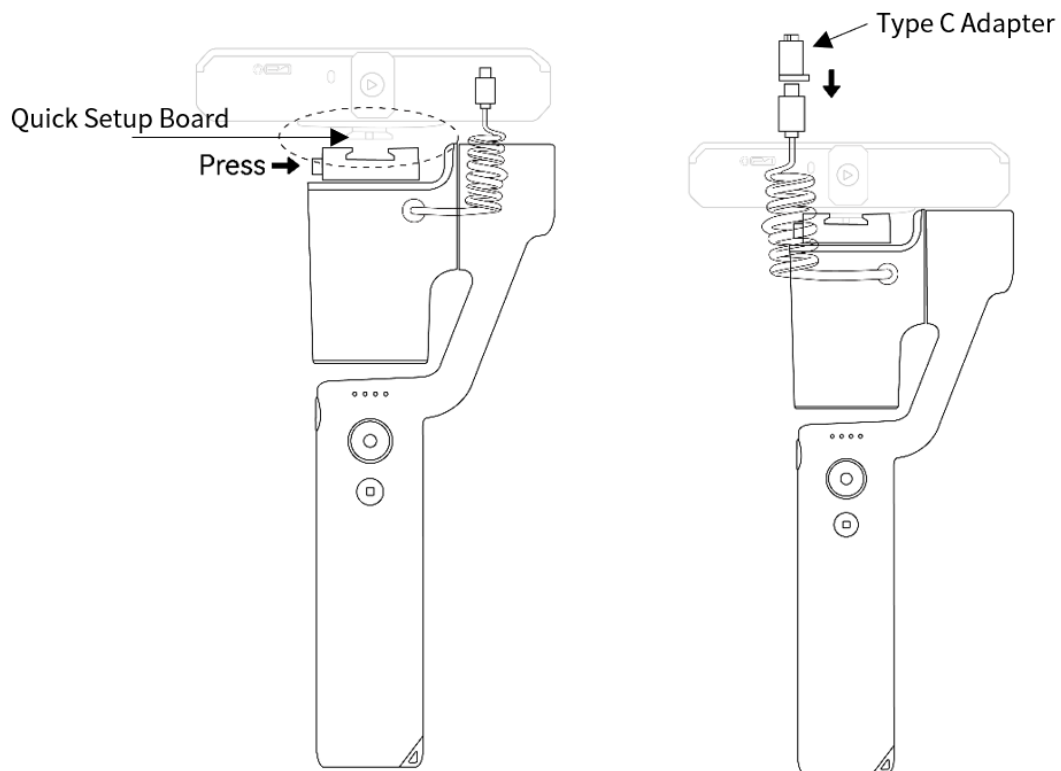
Setting up the Handheld Stabilizer

Step 1: Clip a Revopoint 3D scanner into the quick-release slot on the top of the Handheld Stabilizer.

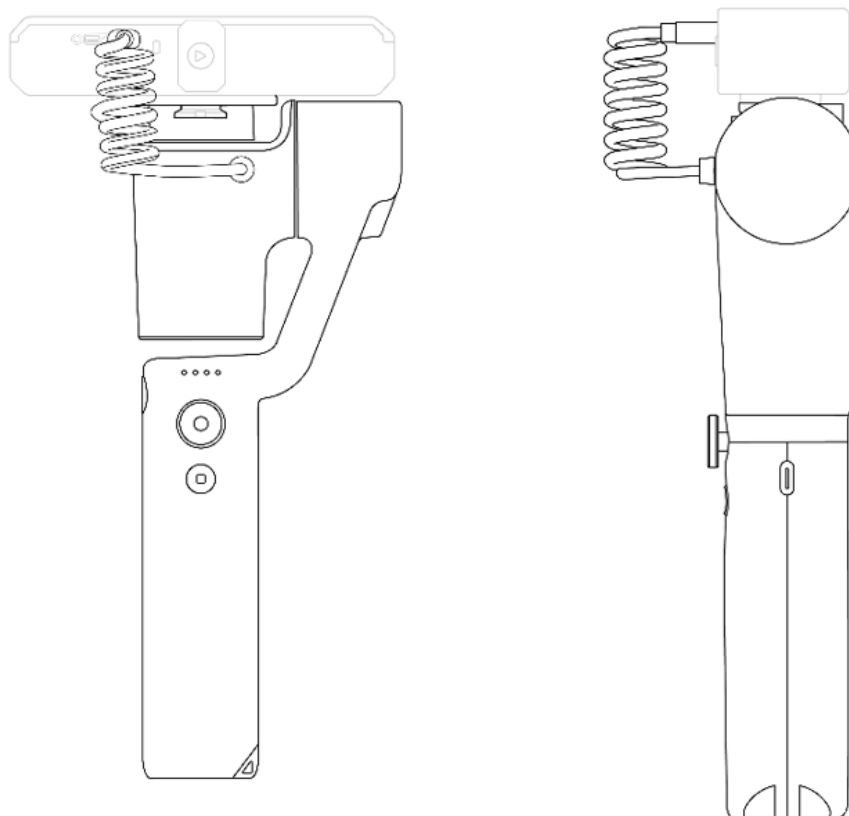
Note: Make sure your scanner has a Quick Setup Board. Check and use a screwdriver to tighten it if it's loose.

Step 2: Connect and secure the Type C cable to the scanner.

Note: If your scanner has a Type-C power port, use the Type-C Adapter to connect it.



Step 3: Long press the Power Button to turn on the Handheld Stabilizer and power the 3D scanner on. When the scanner's LED turns solid green, it's ready to connect.



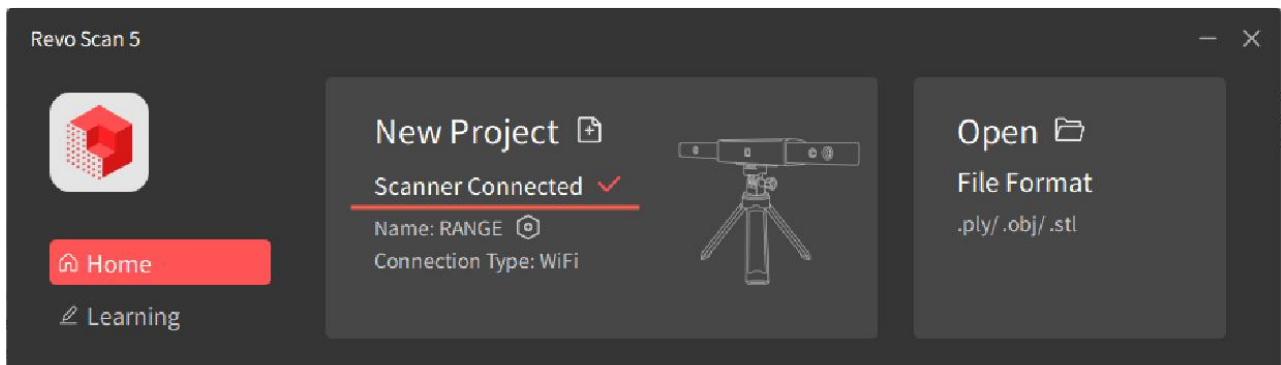
Step 4: Connect the 3D scanner to a PC or a smartphone via Wi-Fi.

1) Connecting to a PC.

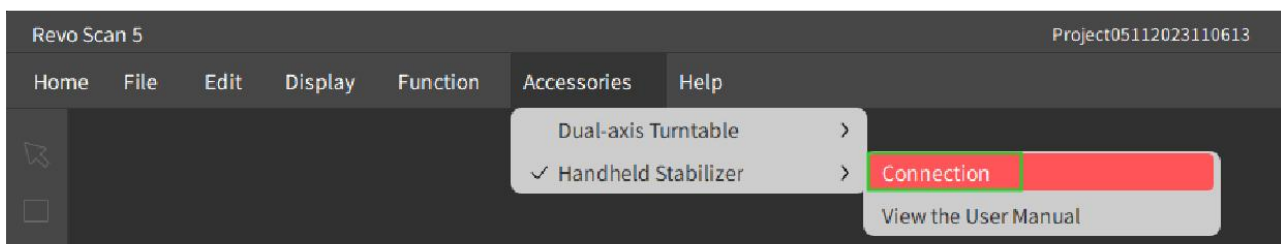
Each Revopoint 3D scanner has a unique Wi-Fi name. Check your scanner's serial number on its back to identify your scanner's Wi-Fi connection.

The following is an example of how to connect a RANGE with the serial number: A22B0025-2B6F10A74.

- Search for the WLAN: RANGE-REVO-A22B0025 and connect to it.
- Double-click to open Revo Scan on your PC and confirm the scanner is connected successfully.



- Go to the scanning interface --> Accessories Menu --> Handheld Stabilizer --> Click Connection.



- Select the Handheld Stabilizer from the available devices and click Connect. When it's connected successfully, the Bluetooth LED will turn in solid blue. (Make sure the PC's Bluetooth is On.)

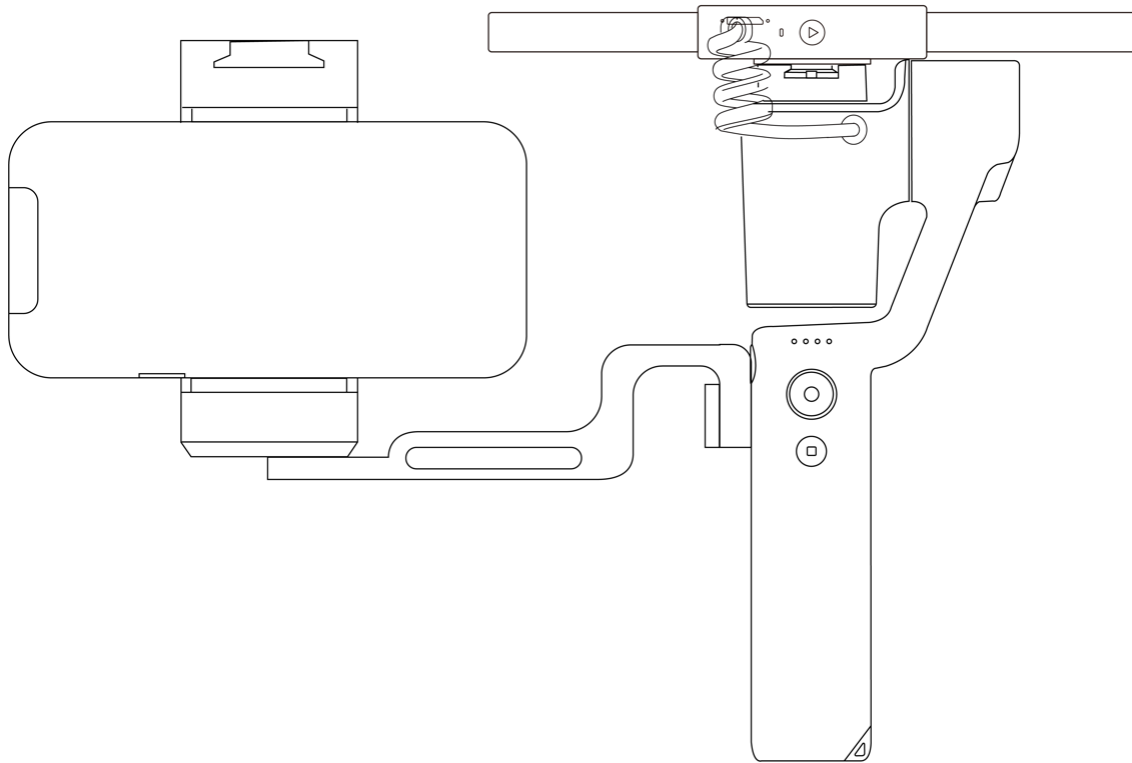
- Start your scan.

2) Connecting to a smartphone.

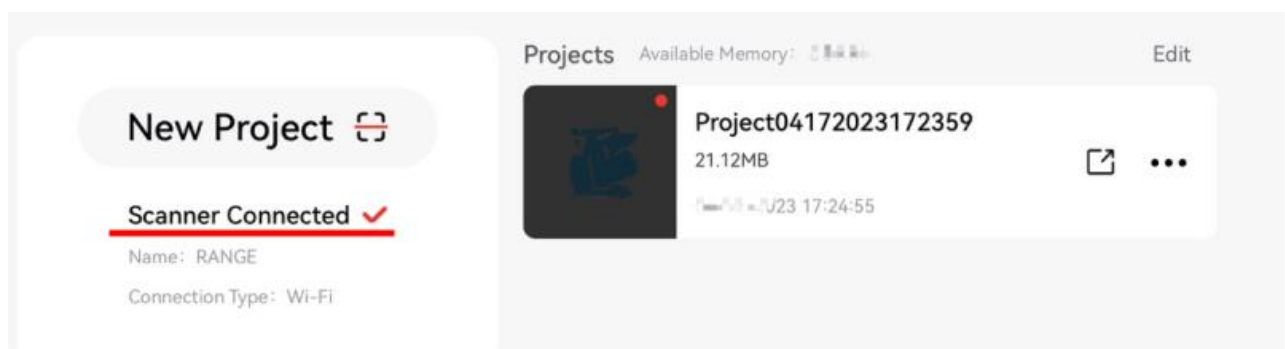
The following is an example of how to connect a RANGE with the serial number: A22B0025-2B6F10A74.

- Screw the Phone Holder Bracket into the 1/4 Threaded Hole, then

attach the Phone Holder that came with your 3D scanner and fix your phone in it. See the image below:



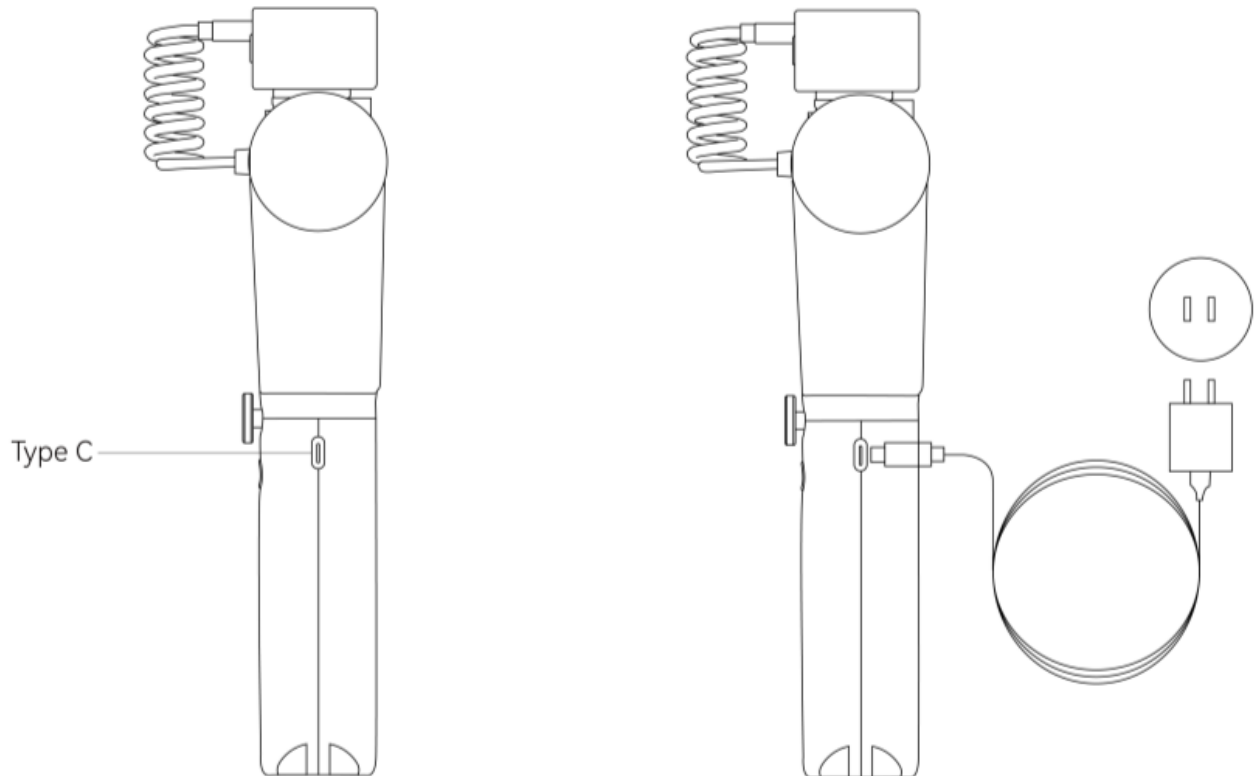
- b. Connect the scanner to your phone via Wi-Fi.
Select the Network RANGE-REVO-A22B0025 on your phone's WLAN list, and wait for it to connect.
- c. Tap the Revo Scan icon on your phone and confirm the scanner is connected.



- d. Connect the Handheld Stabilizer to the Revo Scan. When it's connected successfully, the Bluetooth LED will turn in solid blue. (Make sure the Bluetooth on your phone is On.)

Charging the Handheld Stabilizer

1. Connect the Type-A end of the USB cable to an adapter, then plug it into a power socket.
2. Plug the Type-C end of the USB cable into the Handheld Stabilizer's Type-C port.



3. The Handheld Stabilizer is fully charged when the battery indicator turns solid white.

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