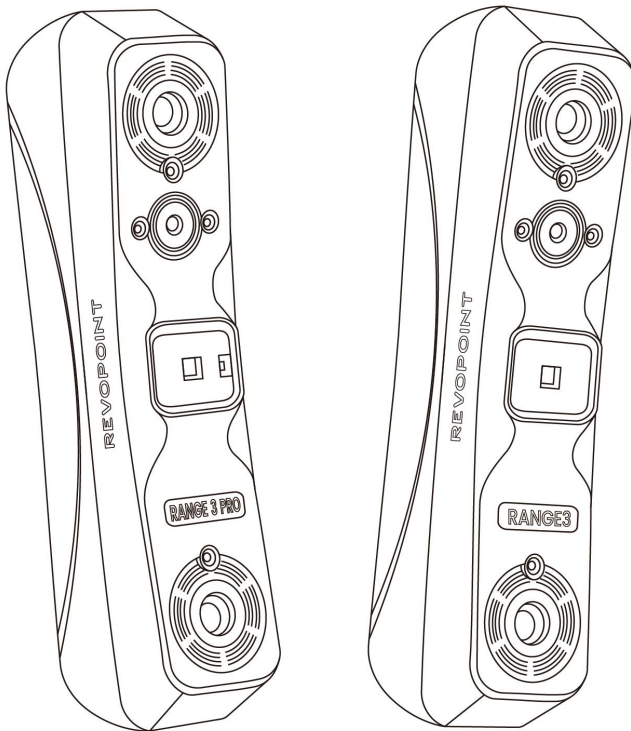


RANGE 3 (Pro) 3D Scanner

Quick Start Guide

V1.0

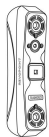


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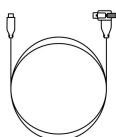
What's in the Box

1



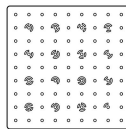
RANGE 3 Scanner

2



USB-C to USB-C Cable

3



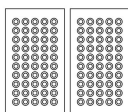
Calibration Board

4



Help Card
Certificate & Warranty Card

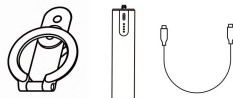
5



Markers x 200

RANGE 3
Pro

5



Mobile Kit

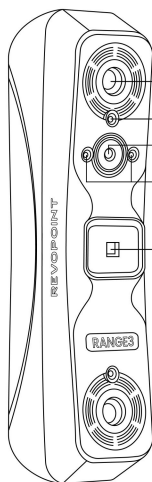
RANGE 3
Pro

* For reference only.

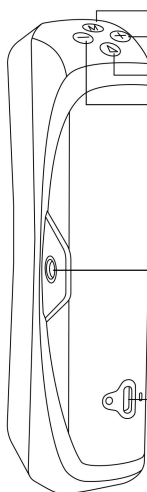
Note: The scanner's appearance may vary slightly depending on the model.

Product Profile

RANGE 3:

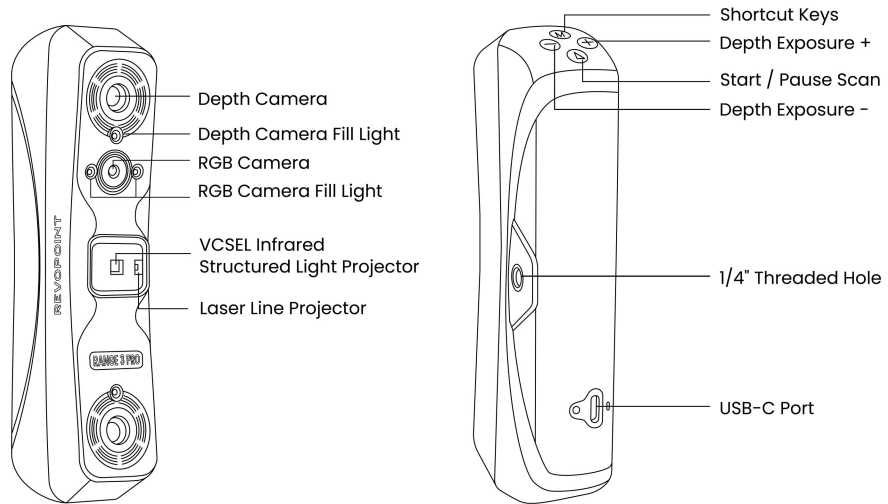


Depth Camera
Depth Camera Fill Light
RGB Camera
RGB Camera Fill Light
VCSEL Infrared
Structured Light Projector



Shortcut Keys
Depth Exposure +
Start / Pause Scan
Depth Exposure -
1/4" Threaded Hole
USB-C Port

RANGE 3 Pro:



Indicator Light States

Red - Flashing	Powering
Green - Solid	Powered

Button Functions

	Start / Pause
	Increase Depth Camera Exposure
	Decrease Depth Camera Exposure
	Depth Camera Exposure / Laser Brightness / ± Key to Toggle Full Screen / ± Key to Switch Scan Mode

Safety Instructions

1. Product Laser Specifications

It is classified as a CLASS 1 LASER PRODUCT.



2. Laser Safety

Under normal conditions of use, Class 1 laser radiation is considered safe for eyes and skin. To ensure safety, please follow the safety instructions below.

- Do not look directly into the laser beam or view it through optical instruments (such as telescopes or camera lenses) under any circumstances. Do not direct the beam toward areas where such instruments are likely to be used.
- Be aware of your surroundings and avoid directing the laser toward other people's eyes during use.
- Do not look directly at the laser source at close range during operation. Do not place mirrors, glass, or other reflective objects in the beam path.

3. Maintenance and Operation Safety

- ! Do not remove, disassemble, or modify any part of the product. Any modifications to the product may render it non-compliant with safety standards.
- ! Please keep the scanner away from water and other liquids, and avoid dropping or bashing it.
- ! Do not expose the Calibration Board to liquids or stains. Avoid bending, warping, or damaging the board, as this may affect calibration accuracy.
- ! This product's operating environment temperature range is 0°C to 40°C (32°F to 104°F). Please use the product only within this range.
- ! Keep the device stored in a safe location out of reach of children.

4. Security and Updates

- If you discover a security vulnerability in our product, please report it immediately to customer@revopoint3d.com. We will respond within 7 business days.
- We provide 5 years of security updates. The product automatically checks for and notifies you of available security updates, in compliance with the requirements of the EU Cyber Resilience Act (CRA).

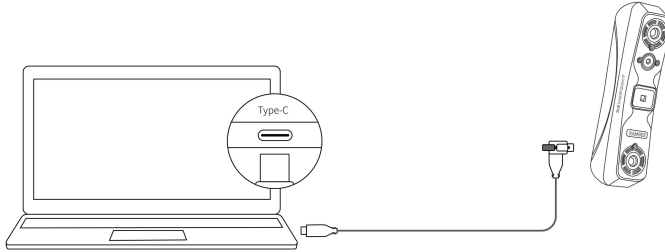
Software Download & System Requirements

Before your first scan, please install the official software. The download links and requirements are listed in the table below. Please refer to the latest information on the official website for system requirements.

Software	Revo Scan 6 (PC)	Revo Scan 6 (Mobile)
Official Download	"Support - Download" on global.revopoint3d.com	Mobile App Store
Software Requirements	Minimum PC Requirements: Windows: Win 10/11 (64 bit) CPU: Intel i7 13th Gen or AMD Ryzen 7 5800 RAM ≥ 16 GB GPU: NVIDIA GeForce RTX 3060 (8 GB) macOS: macOS 11.0 or later RAM: ≥16 GB Processor: M1 Pro/Max/Ultra	Mobile Requirements: Android: CPU: Snapdragon 8 Gen1, Dimensity 9000, Kirin 9000S equivalent performance or better RAM: 12 GB or better System Version: Android 11 or better Storage: 128 GB or better iPhone: Models after iPhone X System version: iOS 14.0 or better RAM: >4 GB Storage: ≥64 GB iPad: 10th Gen iPad or later
	Recommended PC Requirements: Windows: Win 10/11 (64 bit) CPU: Intel i9 12th Gen or better RAM ≥ 32 GB GPU: NVIDIA RTX 4060 (8 GB) or better macOS: macOS 11.0 or better RAM: ≥24 GB Processor: M3 Pro/Max/Ultra or better	

Scanner Connection

Wired Connection

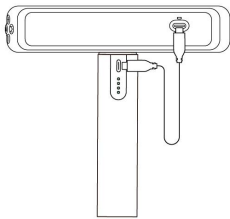
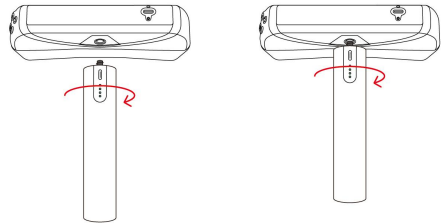


As shown in the above diagram, power the scanner and connect it to the computer's USB 3.0 Type-C port.

Note: The two ends of the cable are not interchangeable. Always connect the scanner and computer according to the labels on each plug.

Wireless Connection to a Computer

Step 1: Assemble the scanner and the Battery Grip.



Step 2: Use the Battery Grip Power Cable to connect the scanner and the Battery Grip. Wait until the Indicator turns solid green to confirm that it is powered.

Note: Do not connect the scanner directly to a PC for power, or it will default to USB mode.

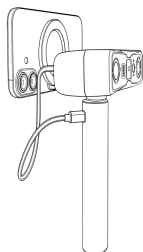
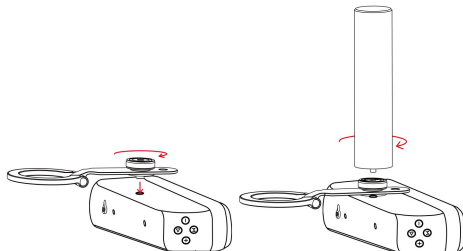
Step 3: Search for a Wi-Fi network called **"RANGE_3-REVO-XXXXXXX"**

/"RANGE_3_Pro-REVO-XXXXXXX" in your Computer's Wi-Fi list, and connect (no password is required). Open Revo Scan 6. Once the scanner is shown as connected in the lower right corner of the interface, you can start scanning.



Wireless Connection to a Phone

Step 1: Unfold the magnetic ring on the Magnetic Phone Holder. Align the mounting screw with the threaded hole on the bottom of the scanner, then tighten the thread adapter to secure the phone holder. Next, align the screw on the Battery Grip with the threaded hole on the adapter and tighten the Battery Grip.



Step 2: Use the power cable of the Mobile Kit to connect the scanner to the Battery Grip. Wait until the indicator light turns solid green, indicating that the scanner is powered on. Align the back of the phone with the magnetic ring and attach it securely.

Note: If your phone does not support magnetic attachment, first attach the included Metal Ring Sticker to the back of the phone, then attach the phone to the magnetic ring.

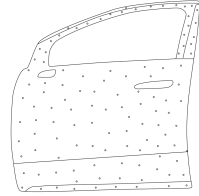
Step 3: Search for a Wi-Fi network called **"RANGE_3-REVO-XXXXXXX"** / **"RANGE_3_Pro-REVO-XXXXXXX"** in your Phone's Wi-Fi list, and connect (no password is required). Open Revo Scan 6. When the phone switches to the scan screen, you can start scanning.



Before You Scan

- ① Scan in an uncluttered environment, ensuring no other objects are within the scanner's field of view.
- ② When scanning outdoors, avoid rainy or windy conditions to prevent equipment damage or reduced scan accuracy.
- ③ For color models, ensure the lighting is adequate and even.

- ④ Allow the scanner to warm up for ten minutes before calibrating or using Line Laser scan mode to ensure optimal accuracy.
- ⑤ When using Marker Scan, apply the markers randomly on the object's surface. Make sure at least 5 markers are visible within a single frame during scanning. **For best accuracy, place markers on flat surfaces and avoid curved areas. Do not use foam pads or soft cloths with markers attached.**



⑥ Notes on applying scanning spray:

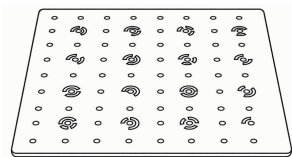
For transparent and specular objects such as glass, stainless steel, and electroplated surfaces, scanning spray is required for both Line Laser and VCSEL Structured Light scan modes.

Scanner Calibration

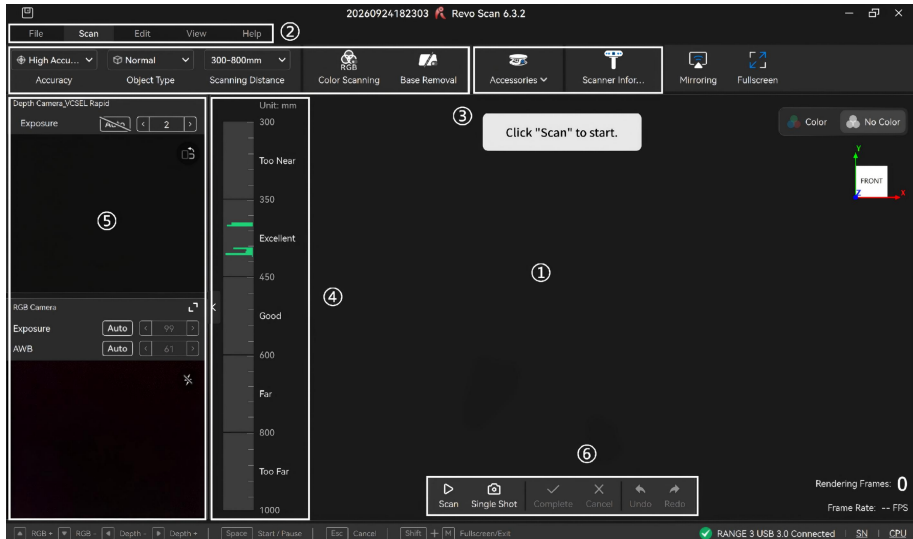
Recalibrate the scanner via Revo Scan 6's home page using the Calibration program to maintain accuracy. The scanner was professionally calibrated at the factory. **Before scanning, check accuracy through the calibration program and recalibrate as instructed if needed.**

Ensure the computer is plugged in during calibration. You can calibrate the scanner as follows:

- ① Download the latest version of Revo Scan 6 from the Support - Download section on Revopoint's website at global.revopoint3d.com and open it.
- ② Connect the scanner to a USB 3.0 port on a PC using the provided USB Type-C to Type-C Cable.
- ③ When the software shows Scanner Connected, click "Calibration" on the bottom left of Revo Scan 6's Home page to start calibration.
- ④ Complete the accuracy check and calibration following the on-screen instructions.



Software Interface Overview



※ Please refer to the actual software interface when in use.

① Central Preview Window

② Menu Bar

③ Scan Settings

④ Scanning Distance Indicator Bar

⑤ Depth Camera/RGB Camera Window

⑥ Scan Control Buttons

Note: To learn more about scanning modes and software usage, please refer to the online user manual under “Help” in the software.

IC Warning

This device complies with Industry Canada's licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

IC RF Statement:

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

User Manual



Tutorial Videos



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