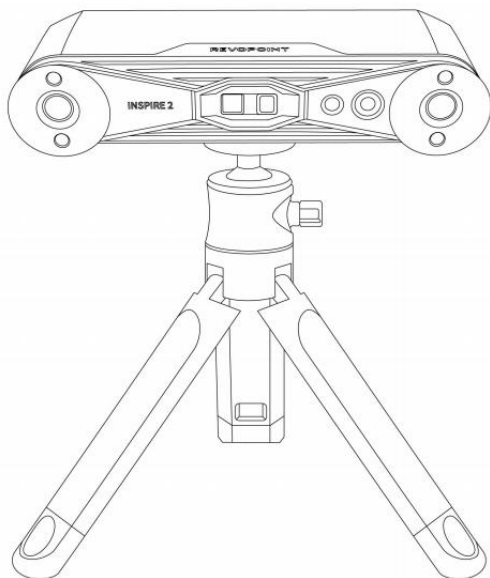


INSPIRE 2 3D Scanner

Quick Start Guide

V1.0



REVOPPOINT

Thank you for choosing a Revopoint 3D scanner! Please carefully read this Quick Start Guide before your first scan.

Before first use, visit our official website at global.revopoint3d.com. Locate the Support-Download page to download the Windows/macOS version of **Revo Metro**. For iOS and Android users, find **Revo Scan** on the Apple App Store or Google Play Store to download.

Go to the bottom of the Download page to get the latest Quick Start Guide.

Visit Revopedia for more details on our products and usage.

Follow our YouTube account, Revopoint 3D, for tutorial videos.

This content is subject to change. Please refer to the latest version.

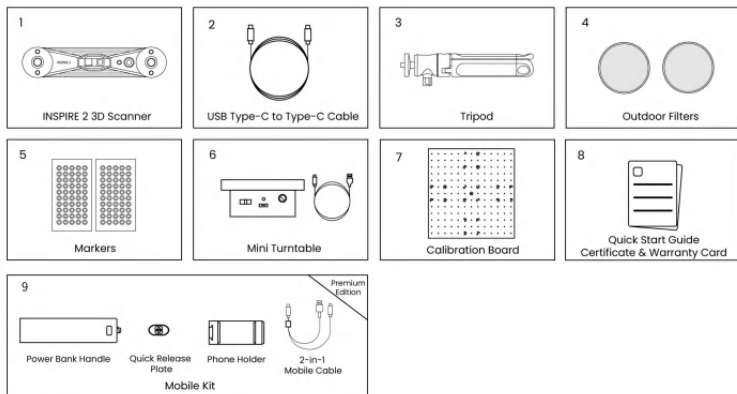


Please keep the scanner away from water and any other liquids, and avoid bashing the scanner. This product's operating environment temperature range is 0°C to 30°C (32°F to 86°F). Please use the product only within this range.

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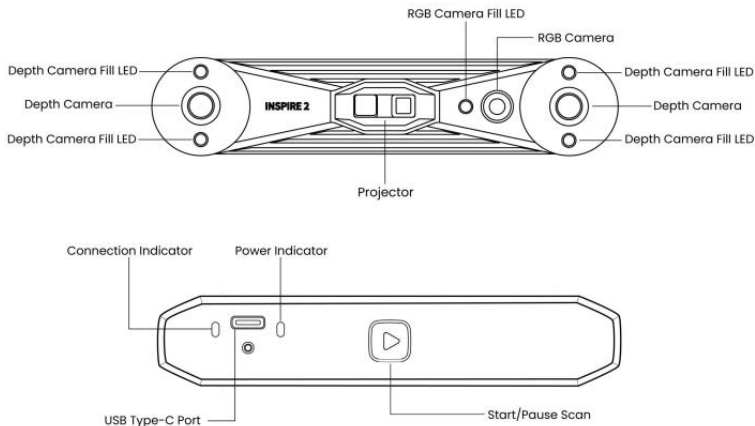
What's in the Box



※ For reference only.

Note: When connecting to a PC via Wi-Fi or scanning with a smartphone, the Mobile Kit is recommended. The Standard Edition box does not include the Mobile Kit; it can be purchased on Revopoint's online stores.

Product Profile



System Requirements

Please download and install the official software before the first scan. For where to download the software and its requirements, please refer to the table below.

Software	Revo Metro	Revo Scan (Phone)
Download Location	"Support - Download" on global.revopoint3d.com	Apple App Store or Google Play Store
Supported Scanning Modes	Full Field / Parallel Line	Full Field
System Requirements	Windows: Win10/11 (64 - bit) RAM: ≥ 32 GB CPU: Intel i7 12th Gen or AMD Ryzen 7 5800 GPU (Optional): NVIDIA GeForce RTX 3050 (8 GB) or better	Android System version: Android 9.0 or better RAM: ≥ 8 GB Storage: ≥ 128 GB
	macOS: macOS 11.0 or better RAM: ≥ 16 GB Processor: M1 Pro/Max/Ultra	iPhone: Models after iPhoneX System version: iOS 14.0 or better RAM: > 4 GB Storage: ≥ 64 GB iPad: 10th Gen iPad or later

Note: If you're unsure about the CPU configuration, please ensure that the CPU has cores ≥ 8 , threads ≥ 16 , and a base frequency ≥ 2.4 GHz. Ensure the USB port on your PC is USB 3.0 or above.

Scanner Connections

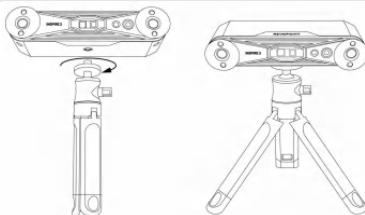
System Mode	PC		Phone	
	Windows	macOS	Android	iOS
USB	✓	✓	✓	×
Wi-Fi	✓	✓	✓	✓

Using a PC to Scan

I. Connecting INSPIRE 2 to a PC via USB Cable

Step 1: Connect the Tripod to the scanner.

Note: Adjust the tripod's height by extending each leg evenly to the locking position to avoid instability.





Step 2: Use the USB Type-C to Type-C Cable to connect the scanner to a PC. When the scanner's indicator ② turns solid green, it's powered.

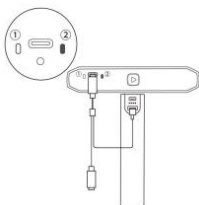
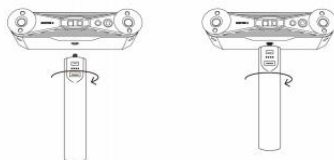
Step 3: Open Revo Metro, when the software shows Scanner Connected and the scanner's indicator ① turns solid blue, it's ready.



II. Connecting INSPIRE 2 to a PC via Wi-Fi

Step 1: Screw the scanner onto the Power Bank Handle.

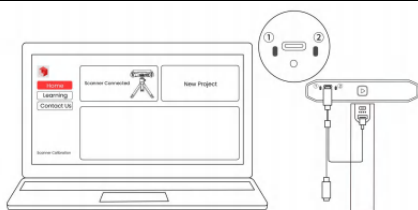
Note: Do not connect the scanner directly to a PC for power, or it will default to USB mode.



Step 2: Use the 2-in-1 Mobile Cable to connect the scanner and Power Bank Handle. When the scanner's indicator ② turns solid green, it's powered.

Step 3: Search for a Wi-Fi network called **INSPIRE-2-REVO-XXXXXXX** in your PC's Wi-Fi settings, and connect (no password is required).



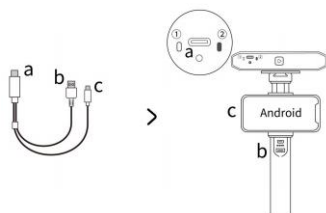
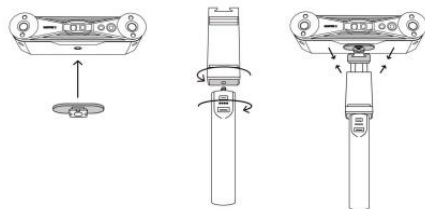


Step 4: Open Revo Metro, when the software shows Scanner Connected and the scanner's indicator ① turns solid blue, it's ready.

Using a Phone to Scan

I. Connecting INSPIRE 2 to Android Phones via USB Cable

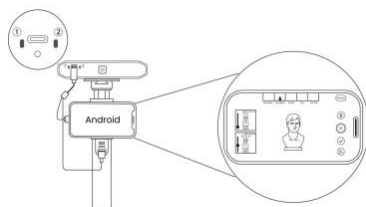
Step 1: Attach the Quick Release Plate, Phone Holder, and Power Bank Handle to the scanner.



Step 2: Put a phone in the Phone Holder, and use the 2-in-1 Mobile Cable to connect to the ports shown. When the scanner's indicator ② turns solid green, it's powered.

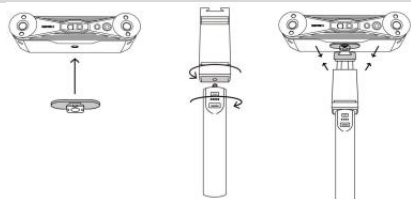
Note: The 2-in-1 Mobile Cable can only be used to connect Android phones.

Step 3: Open Revo Scan. When indicator ① turns solid blue and the phone displays the scanning preview screen, it's ready.



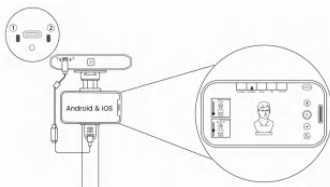
II. Connecting INSPIRE 2 to Android or iOS Phones via Wi-Fi

Step 1: Attach the Quick Release Plate, Phone Holder, and Power Bank Handle to the scanner.



Step 2: Put a phone in the Phone Holder, and use the 2-in-1 Mobile Cable to connect the scanner to the Power Bank Handle. When the scanner's indicator ② turns solid green, it's powered.

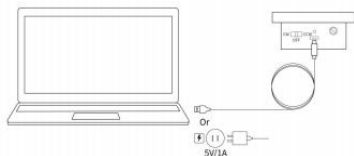
Step 3: Search for a Wi-Fi network called **INSPIRE-2-REVO-XXXXXXX** in your smartphone's Wi-Fi settings, and connect (no password is required).



Step 4: Open Revo Scan. When indicator ① turns solid blue and the phone displays the scanning preview screen, it's ready.

Mini Turntable Setup

Step 1: Connect the turntable to a PC or a 5V/1A third-party power adapter via the turntable's power cable. When the indicator turns solid green, it's powered.





Step 2: Place an object on the turntable. Flick the switch to change the turntable's rotational direction, and twist the dial to set the speed.

Scanning Modes Introduction

Full Field: High scanning speed for rapid point cloud capture of common objects, supported on PC and mobile apps.

Parallel Line: Designed for precision scanning, it handles reflective metal and black objects without spray coating. Supported on PC and mirrored to a smartphone via Revo Mirror for preview and control.

Revo Mirror screen mirroring steps:

- ① Visit the Revopoint official website and go to "Support - Download" menu to download and install Revo Mirror for both desktop and mobile.
- ② Mount the Mobile Kit (Phone Holder, Power Bank handle, Quick Release Plate) onto the scanner. Connect the Power Bank Handle to the scanner with the 2-in-1 Mobile cable.
- ③ Ensure both the computer and phone are connected to the network named "INSPIRE-2-REVO-XXXXXXX." Open Revo Metro, wait for the scanner to connect and enter the scanning page, then click the mirroring button.
- ④ Tap the detected device to be mirrored in the mobile Revo Mirror app.
- ⑤ Follow the prompt on the PC to enter the PIN code to complete the initial pairing. Then, click "Enter Screen Mirror Mode" to control the scanning process.

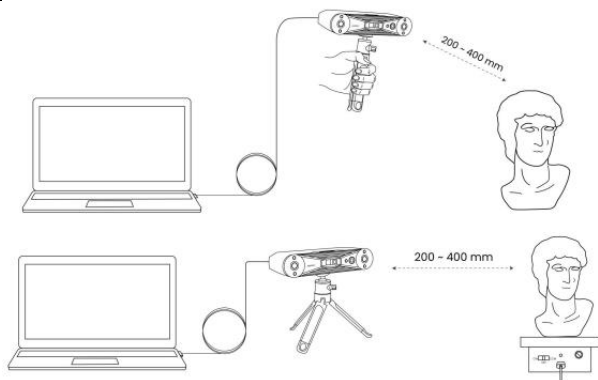
Read Before Scanning

- This product uses a Class 1 laser projector. Avoid looking directly at it at close range! Please refer to the Class 1 laser standard document for details.
- Ensure only the object to be scanned is shown in the Depth Cameras' preview window. Ensure the object is evenly lit if you need a color model.
- When scanning with markers, attach them irregularly on the surface, ensuring at least 5 can be captured in one frame. For best accuracy, place markers on flat surfaces and avoid curved ones.

Scanning Scenarios

Indoor Scanning

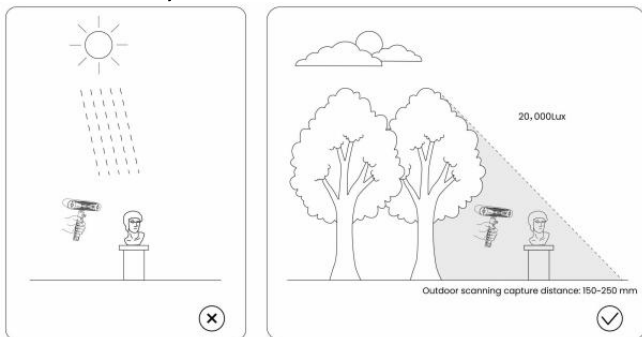
When scanning, aim the scanner at the object, hold it steady, and move slowly and evenly, or mount it on a tripod on a stable surface. The scanner should be about **200–400 mm** from the object. Refer to the software's distance indicator bar for optimal distance.



Outdoor Scanning

- Select "Outdoor Object" as the Object Type. Attach the two outdoor filters to the front of the left and right depth cameras before outdoor scanning.
- When scanning outdoors, avoid direct sunlight to minimize interference from reflective surfaces.
- Avoid scanning in rainy or windy weather to prevent water damage or reduced data accuracy from wet surfaces.

During scanning, aim the scanner at the object, hold it steady, and move slowly and evenly. Keep the scanner at the optimal distance that the software's distance indicator bar indicates from the object.



Note: The software lets users recalibrate the 3D scanner for optimal accuracy. Refer to the "Scanner Calibration" function on the home page for details. The scanner was professionally calibrated at the factory, so you can first check its accuracy using the calibration program. If the check fails, follow the on-screen instructions to recalibrate.