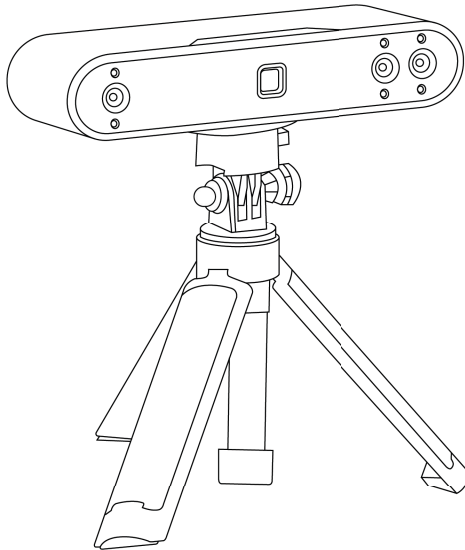


# POP 3 Plus 3D SCANNER

## Quick Start Guide

V2.0



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

Begin by downloading the **Revo Scan** software for your POP 3 Plus 3D Scanner. For Windows and macOS users, visit the Support - Download section on Revopoint's website at [www.revopoint3d.com](http://www.revopoint3d.com) to download. 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. For tutorial videos, you can also follow our YouTube account, Revopoint 3D. This content is subject to change. Please refer to the latest version.



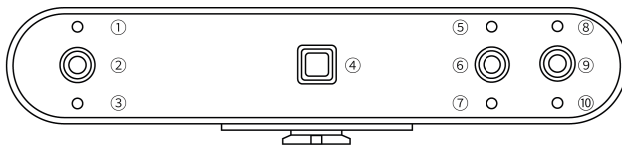
Please keep the scanner away from water and any other liquids, and avoid bashing the scanner. This product's operating environment temperature range is 0°C to 40°C (32°F to 104°F). Please use the product only within this range.

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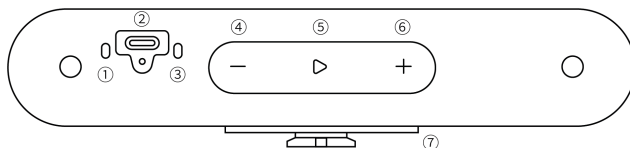
# Contents

|  |   |
|--|---|
| <b>Product Profile</b> .....                       | 1 |
| <b>What's in the Box</b> .....                     | 2 |
| <b>System Requirements</b> .....                   | 2 |
| <b>Connecting POP 3 Plus to a PC</b> .....         | 3 |
| Method 1: Via USB Cable .....                      | 3 |
| Method 2: Via Wi-Fi .....                          | 4 |
| <b>Connecting POP 3 Plus to Phones</b> .....       | 4 |
| Method 1: To Android Phones via USB Cable .....    | 4 |
| Method 2: To Android or iOS Phones via Wi-Fi ..... | 5 |
| <b>Mini Turntable Connection</b> .....             | 5 |
| <b>Scanning Tips</b> .....                         | 6 |
| <b>Your First Scan</b> .....                       | 7 |
| Your First Scan Using Revo Scan (PC) .....         | 7 |
| Your First Scan Using Revo Scan (Phone) .....      | 8 |
| <b>Sharing Projects from a Phone to a PC</b> ..... | 8 |
| <b>IC Warning</b> .....                            | 9 |
| <b>FCC Warning</b> .....                           | 9 |

# Product Profile

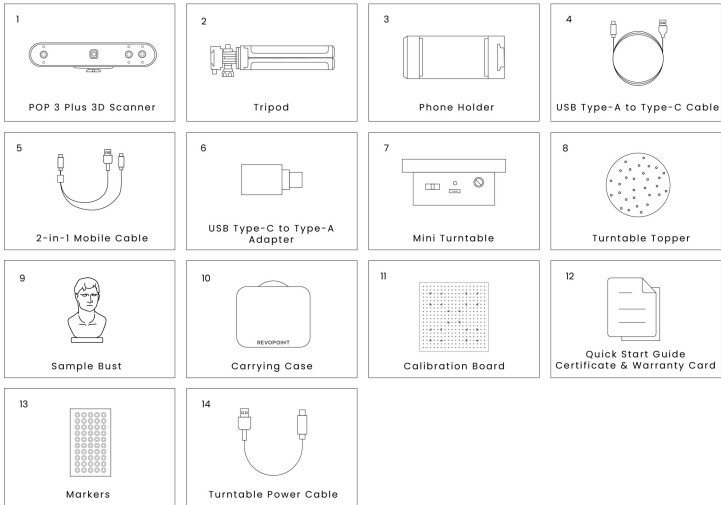


- 1. Infrared Fill Light
- 2. Depth Camera
- 3. Infrared Fill Light
- 4. Projector
- 5. White Flash LED
- 6. RGB Camera
- 7. White Flash LED
- 8. Infrared Fill Light
- 9. Depth Camera
- 10. Infrared Fill Light



- 1. Connection Indicator
- 2. USB Type-C Port
- 3. Power Indicator
- 4. Decrease IR Exposure
- 5. Start/Pause Scan
- 6. Increase IR Exposure
- 7. Quick Release Plate

# What's in the Box



\*For reference only.

This is POP 3 Plus Standard Edition. POP 3 Plus Advanced Edition includes a Dual-axis Turntable and a Power Bank.

# System Requirements

Before your first scan, please download the Revo Scan software on Revopoint's website at [www.revopoint3d.com](http://www.revopoint3d.com). The system requirements are as follows:

|  |   |
|--|---|
| <p><b>Windows:</b> Win 10/11 (64-bit)<br/>RAM: ≥ 16 GB<br/>CPU: Intel Core i5 12th Gen or better</p> | <p><b>Android:</b> 9.0 or better<br/>RAM: ≥ 8 GB<br/>Storage: ≥ 128 GB</p>  |
| <p><b>Mac:</b> macOS 11.0 or better<br/>RAM: ≥ 8 GB<br/>CPU: Apple M1 Pro chip or latter</p>         | <p><b>iPhone:</b> Models after iPhone X<br/>System Version: iOS 14.0 or better<br/>RAM: &gt; 4 GB<br/>Storage: ≥ 64 GB<br/><b>iPad:</b> 10th generation iPad or later</p> |

**Note:** System requirements may change with software updates. Please refer to the latest version of User Manual in Revo Scan.

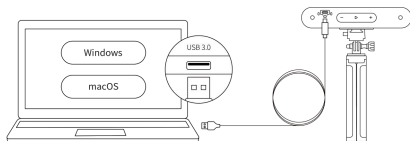
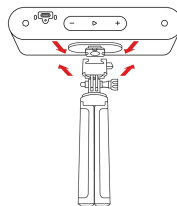
## Scanner Connection Methods

| Mode \ System | PC            |         | Phone |   |
|---------------|---------------|---------|-------|---|
|               | Windows/macOS | Android | iOS   |   |
| USB           | ✓             | ✓       | ✗     |   |
| Wi-Fi         | ✓             |         |       | ✓ |

## Connecting POP 3 Plus to a PC

### Method 1: Via USB Cable

**Step 1:** Clip the POP 3 Plus to the Tripod.

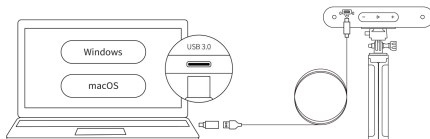


**Step 2:** Connect the USB Type-A to Type-C Cable's USB Type-C end to the POP 3 Plus's rear port.

**Step 3:** Plug the USB Type-A end into a USB 3.0 port or above on your computer.

**Step 4:** Open Revo Scan on your computer and wait a few seconds for the scanner to connect.

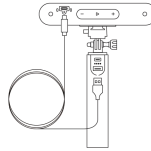
**Note:** If there is no USB Type-A port on your computer, use the USB Type-C to Type-A Adapter.



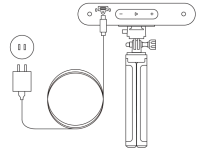
## Method 2: Via Wi-Fi

**Step 1:** Power the POP 3 Plus with the Power Bank or a power socket.

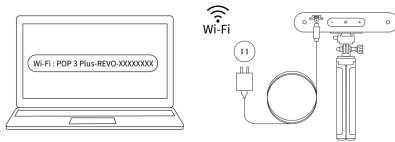
**Note:** Do not plug it into your PC, or it will default to USB mode.



Powered by a Power Bank



Powered by a power socket



**Step 2:** Go to your PC's Wi-Fi settings, search for the network called POP 3 Plus-REVO-XXXXXXX and connect (No password is required).

**Step 3:** Open Revo Scan on your computer and wait a few seconds for the scanner to connect.

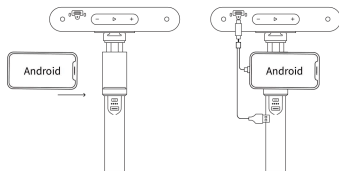
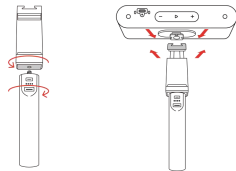
## Connecting POP 3 Plus to Phones

### Method 1: To Android Phones via USB Cable

**Step 1:** Screw the Phone Holder onto the Power Bank.

**Step 2:** Clip the POP 3 Plus to the top of the Phone Holder.

**Note:** The Power Bank is not included in the Standard Edition. It can be purchased on Revopoint's online stores. You can also use your own power bank (5V, 1A).



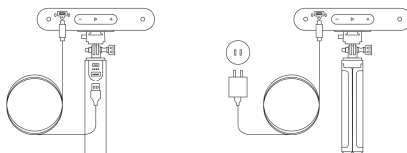
**Step 3:** Pull open the Phone Holder's clamps and fit your smartphone.

**Step 4:** Connect the 2-in-1 Mobile Cable's USB Type-C end to the POP 3 Plus's port, USB Type-A to the Power Bank, and USB Type-C to an Android smartphone.

**Step 5:** Open Revo Scan on your phone and wait a few seconds for the scanner to connect.

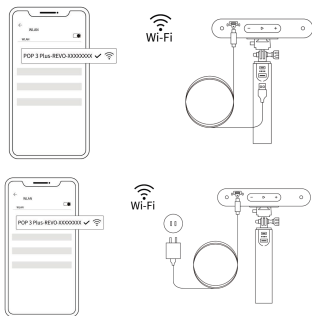
## Method 2: To Android or iOS Phones via Wi-Fi

**Step 1:** Power the POP 3 Plus via the Power Bank or a power socket.



Powered by a Power Bank

Powered by a power socket

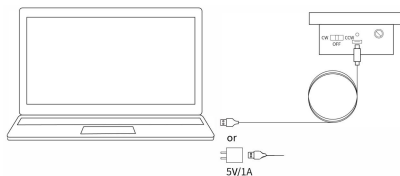


**Step 2:** Go to your smartphone's Wi-Fi settings, search for the network called POP 3 Plus-REVO-XXXXXXX and connect (No password is required).

**Step 3:** Open Revo Scan on your phone and wait a few seconds for the scanner to connect.

## Mini Turntable Connection

**Step 1:** Connect the Mini 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.

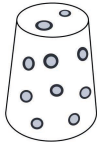


**Step 2:** Place the object on the turntable. Flick the switch left or right to adjust the turntable's rotational direction, and twist the dial to adjust the rotation speed.

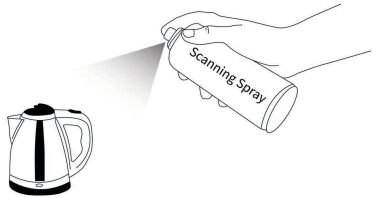
## Scanning Tips

- ① Scan indoors and ensure only the object being scanned is shown in the Depth Cameras' preview window. If you need a color model, ensure the object is evenly lit.
- ② Use scanning spray when scanning transparent, dark, and reflective objects.

**Note:** Scanning spray can be purchased from the Revopoint's online stores.

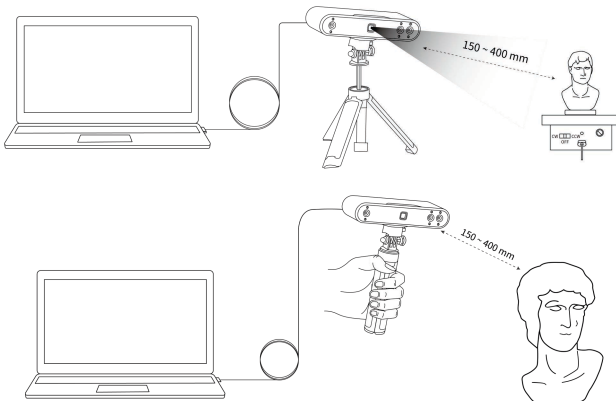


Stick Markers



- ③ Please stick markers irregularly on the object's surface when scanning featureless objects like balls and cylinders. Select Marker Tracking in Scan Settings in Revo Scan. You can also choose Global Marker Tracking mode to scan after sticking markers on the object.

- ④ Adjust the tripod to a suitable height and aim the scanner at the object. The distance between the scanner and the object can be between 150 – 400 mm. In the 3D scanning interface in Revo Scan, refer to the distance indicator bar to ensure an excellent distance between the scanner and the object. For handheld scans, move the scanner slowly and steadily around the object.

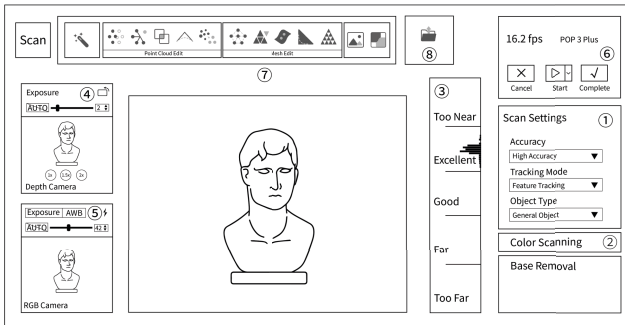


**Note:** Users can recalibrate the scanner using the Scanner Calibration program on Revo Scan's Home page to ensure accuracy. The scanner was professionally calibrated at the factory. Before calibrating, check the scanner's accuracy first after entering the calibration program and calibrate the scanner according to the on-screen instructions if needed.

## Your First Scan

### Your First Scan Using Revo Scan (PC)

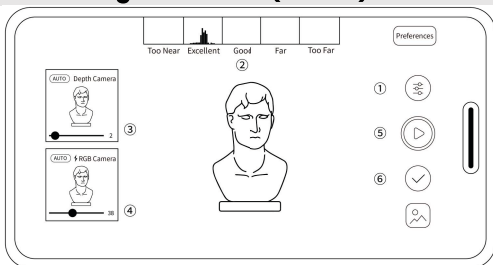
After the scanner is connected, click the **New Project** button on Revo Scan's Home Page, then set parameters and start your scan using the following steps:



※ Please refer to the interface of Revo Scan.

- Choose Accuracy, Tracking Mode, and Object Type according to your requirements.
- Toggle **Color Scanning** if a color model is needed.
- Move the scanner closer or further away from the object until the scanning distance indicator bar shows **Excellent** or **Good**.
- Click the **Auto** button to automatically set the Depth Cameras' exposure, or turn off the **Auto** exposure and adjust it by dragging the slider until there are as few blue and red areas on the object in the Depth Camera preview window as possible.
- You also must adjust the RGB Camera's exposure when doing a color scan. Click the **Auto** button to automatically set the exposure, or turn off the **Auto** exposure and adjust it by dragging the slider until the object's color in the RGB preview window is clear and sharp.
- Click the **▶** button to begin your scan. Try not to scan the same areas repeatedly. You can click the **||** button to stop and check your model anytime during your scan. If the model is incomplete, click the **▶** button to continue your scan. Click the **✓** button to finish the scan when the model is complete.
- Click **One-click Edit** to process the model automatically, or manually edit the model using the Fusion, Mesh, Texture (only for color models) settings, and other tools if you need a more detailed model. Please refer to the User Manual on Revo Scan's Learning page for details.
- After post-processing, export the Model in formats such as PLY, OBJ, or STL.

## Your First Scan Using Revo Scan (Phone)



- ① Tap the icon to choose Accuracy, Tracking Mode, and Object Type. Toggle **Color Scanning** if a color model is needed.
- ② Move the scanner closer or further away from the object until the scanning distance indicator bar shows **Excellent** or **Good**.
- ③ Tap the **Auto** button to automatically set the Depth Cameras' exposure, or turn off the **Auto** exposure and adjust it by dragging the slider until there are as few blue and red areas on the object in the Depth Camera preview window as possible.
- ④ You also must adjust the RGB Camera's exposure when doing a color scan. Tap the **Auto** button to automatically set the exposure, or turn off the **Auto** exposure and adjust it by dragging the slider until the object's color in the RGB preview window is clear and sharp.
- ⑤ Tap the button to start your scan. Try not to scan the same areas repeatedly.
- ⑥ Tap the button to finish the scan and tap the Model button in the bottom right corner to enter the post-processing window and edit the model when the scan is finished. Please refer to the User Manual in Revo Scan's Settings section for details.
- ⑦ You can share the project to Revo Scan on your PC for more editing options. For details, see **Sharing Projects from a Phone to a PC** in this guide.

**Note:** Revo Scan on Android and iOS devices are continuously updated. Please refer to the actual interface.

## Sharing Projects from a Phone to a PC

- ① Ensure the phone and PC are connected to the same Wi-Fi network.
- ② Open Revo Scan (PC) and click the **New Project** button on the Homepage.
- ③ Click the **Import from Phone** option in Revo Scan (PC)'s File menu.
- ④ Pick either the PIN code or the QR code transfer method.
- ⑤ Open Revo Scan (Mobile) and find the project to be transferred.
- ⑥ Tap the More button > Share icon in Revo Scan (Mobile).
- ⑦ Enter the PIN code or scan the QR code.
- ⑧ Start the file transfer.

**Note:** Don't minimize the app or turn off the phone's display during transfer, or it'll fail.

### IC Warning

This device complies with Industry Canada's license-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 to 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.

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