

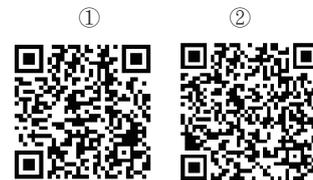
XYZprinting 3D Scanner Quick Start Guide

Main Component



Tutorial Materials

- ① 3D Scanning Tutorial
http://wiki.xyzprinting.com/wordpress/about3dscan-us_en/
- ② Tutorial video
http://support.xyzprinting.com/us_en/Help/tutorial



Scan Spec

- Scan Resolution: 1.0-2.5mm
- Scan Volume:
 Head mode: 31.5"x31.5"x31.5" (80x80x80cm)
 Object mode: 23.62"x23.62"x11.81" (60x60x30cm)*
 Body mode: 39.37"x39.37"x78.74" (100x100x200cm)
- *Object Mode is only available on the Windows version.

System Requirements

For Windows

- Supported Operating System:
Windows 8.1, Windows 10 (64-bit)
- Minimum Hardware Requirements:
4th Generation Intel® Core™ i5 Process (PC)
USB 3.0
4G RAM Basic (8G RAM Recommended)
- Recommended Hardware:
Graphics card:
NVIDIA GeForce GTX 750 ti or better (for desktops)
NVIDIA GeForce GTX 840M or better (for laptops)
VRAM: 2GB VRAM

For Mac

- Supported Operating System:
Mac OS X 10.10, 10.11, 10.12
- Minimum Hardware Requirements:
4th Generation Intel® Core™ i5 Process (PC)
4G RAM Basic (8G RAM Recommended)
Graphics card: Intel HD Graphics 4000
VRAM: 2GB VRAM
- Supported Devices:
MacBook Pro (Early 2013), iMac (Early 2013) and newer

Note:
Older, low-power CPU and GPU's may cause delays with scans.

Scan Tips

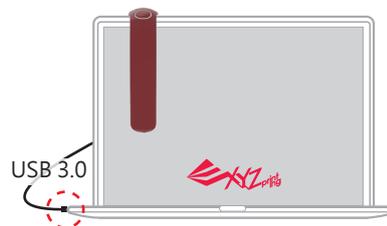
Reflective, metal, and transparent objects may be difficult for the scanner to capture. To scan objects with such features, you may apply rubber coating spray on the surface before scanning. When scanning a black or any dark colored object, please hold the scanner closer to the target and try to scan in different angles.

Before First Scan

① Sign in or register an account at XYZprinting website to get the latest information and instructions. **You can even register your scanner to enjoy extended warranty on the product.**



② Plug in the scanner into a USB 3.0 port on your device.



③ Find the bundled SD card in the package, and insert it into your computer. For the installer downloaded from the website, please follow installation process below:

- For Mac:
Double-click on "XYZscanHandy*.dmg", and drag the application to the Applications folder.

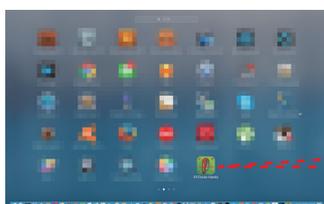


- For Windows:
Run the "SETUP.exe", and follow the instruction to install all required software and driver.

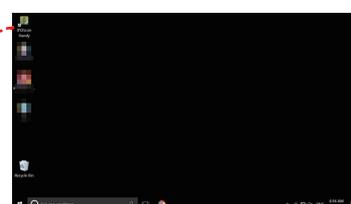


④ Launch XYZscan Handy by double-clicking on the icon.

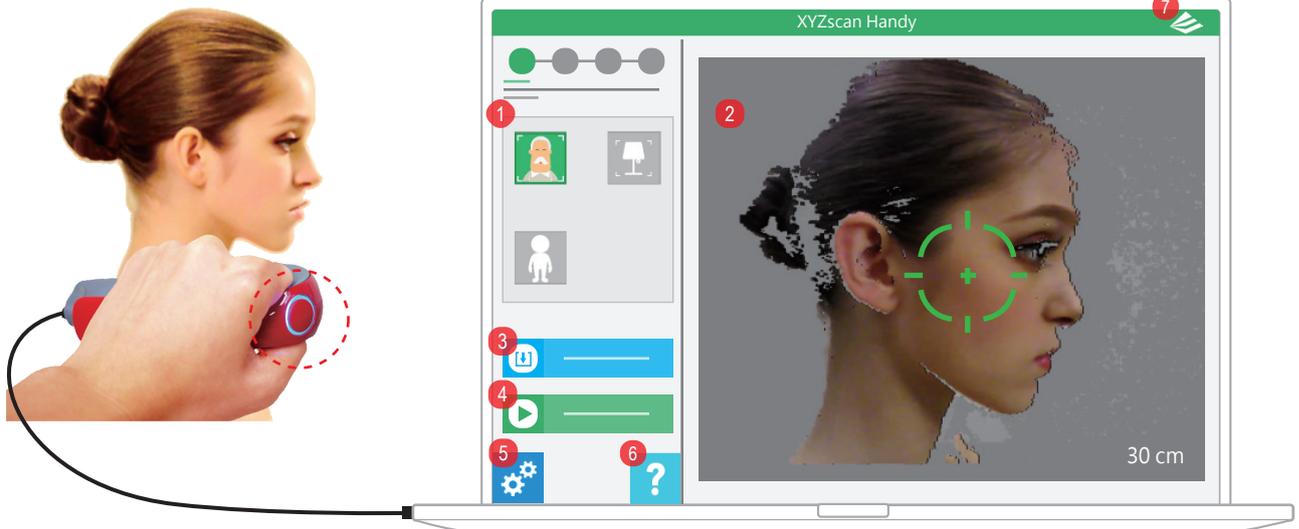
- For Mac:



- For Windows:



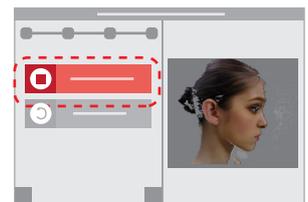
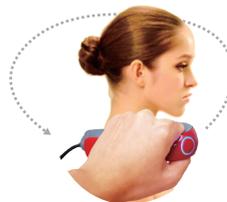
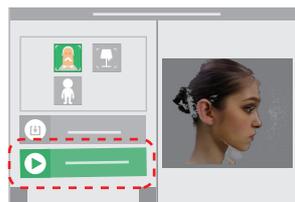
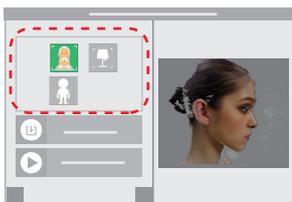
Scanning with XYZscan Handy



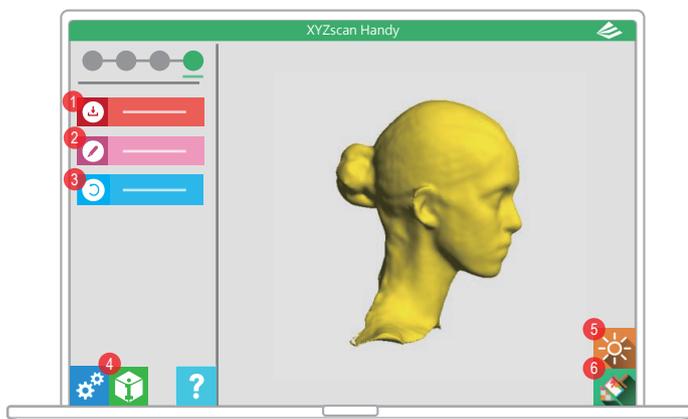
- ① Select the scan mode
Tap on the icon or press-and-hold the **Scanner Button** to switch the scan mode.
Please note that "Object Mode" is for Windows version only.
- ② Preview the scan
The screen shows the view of the scanner. Please refer to the instruction on the preview screen for the best scanning distance.
Once the scan has started, check the screen for the real-time image and move the scanner to the uncovered area.
- ③ Import OBJ, STL, or PLY file to view the details of 3D file.
- ④ Start Scan
Tap on the button with your mouse or click the **Scanner Button**.
- ⑤ Set up the display language, export format for color data*, dominant hand for scanning**, scan quality, and turn on/off the cue tone.
*The setting is available in Windows version only. It will determine the view of color data.
•When "Vertex Color" is selected, the scan result will display color on the vertex.
•When "With Texture" is selected, the color image will be enhanced with texture map. However, the holes on the model will not be filled. When saving the scan result to OBJ format in this mode, the color data will be saved in mtl and png format.
**In Windows version, the change of dominant hand for scanning only applies to the Body Mode. The setting does not apply to Head Mode or Object Mode.
- ⑥ Browse the 3D scanning tutorial.
- ⑦ Check for product serial number, software and firmware version, and check for updates.

How to scan

- ① Select a scan mode based on the target.
- ② Tap on "Start Scan" or click the **Scanner Button**.
- ③ Move the scanner steadily to capture the images in different angles.
- ④ Tap on "Stop" or click the **Scanner Button**.



Scan Result



The scan result viewer provides the following functions:

- ① Save the scan result in STL, OBJ or PLY format.
STL: standard 3D file without color information.
OBJ/PLY: color 3D model with vertex data.
- ② Edit the 3D scan in XYZmaker (for Windows version only).
- ③ Click the icon to start a new scan.
- ④ Click to view the information on the 3D scan, including the polygon mesh and size of the object.
- ⑤ Adjustment the brightness of color.
Drag the slider to adjust the brightness of the color of the 3D scan. The adjustment will be applied while saving it as OBJ or PLY format. (for Windows version only).
- ⑥ Click to switch on or off the color of the 3D model.