HP 3D Portable Foot Scanner Guide

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Table of contents

Product Description 3
Getting started 3
Kit contents 3
Components 4
Top 4
Setup 5
Placing the scanner 5
Installing the software 7
Connecting to your computer 7
Using the scanner 9
Transporting the scanner 9
Troubleshooting 12
The power switch light does not turn on. 12
The computer does not recognize the scanner. 12
Maintenance 12
Cleaning the scanner 12
Manufacturer contact information 12
Regulatory information 12
Warnings 12
Laser Safety 15
Specifications 15
Input power 15
Temperature, operating 15
Relative humidity (noncondensing) 15

Product Description

HP Inc. 3D Portable Foot Scanner is designed to operate in conjunction with web-based application on a PC or tablet that will interface with the end customer. The 3D Portable Foot Scanner uses laser triangulation technology combined with 2D color images for a precise 3D representation of the feet. Two monochrome cameras are used for the 3D image, one color camera for the texture, and two laser modules. This allows precise and fast scans of feet in normal ambient light conditions.

Getting started

The HP 3D Portable Foot Scanner uses laser-triangulation technology with 2D color images to create a precise 3D representation of feet, even in ambient light conditions. These representations are then used to determine shoe size and selection and to design customized orthotics.

Kit contents

- HP 3D Portable Foot Scanner
- Scanner cover/support step
- USB-to-USB-B cable
- AC adapter and power cable
- Transportation lock
- Vacuum suction cup
- Glass wipes

Components

Top

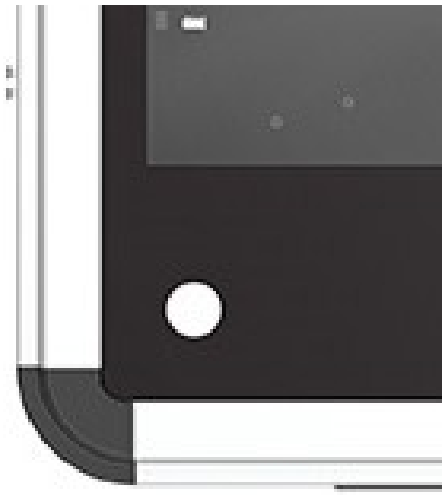


Table 1. Top components and their descriptions

Component	Description
Start button/Activity light	Press, cover, or wave your hand over the button to start a scan.Green: The scanner is ready

Rear

Table 2. Rear components and their descriptions

Component		Description
1	Power switch/light	Flip to the on position to turn on the scanner.Green: The scanner is on.
2	Power connector	Connects an AC adapter.
3	USB Type-B port	Connects the scanner to a computer using the included cable.

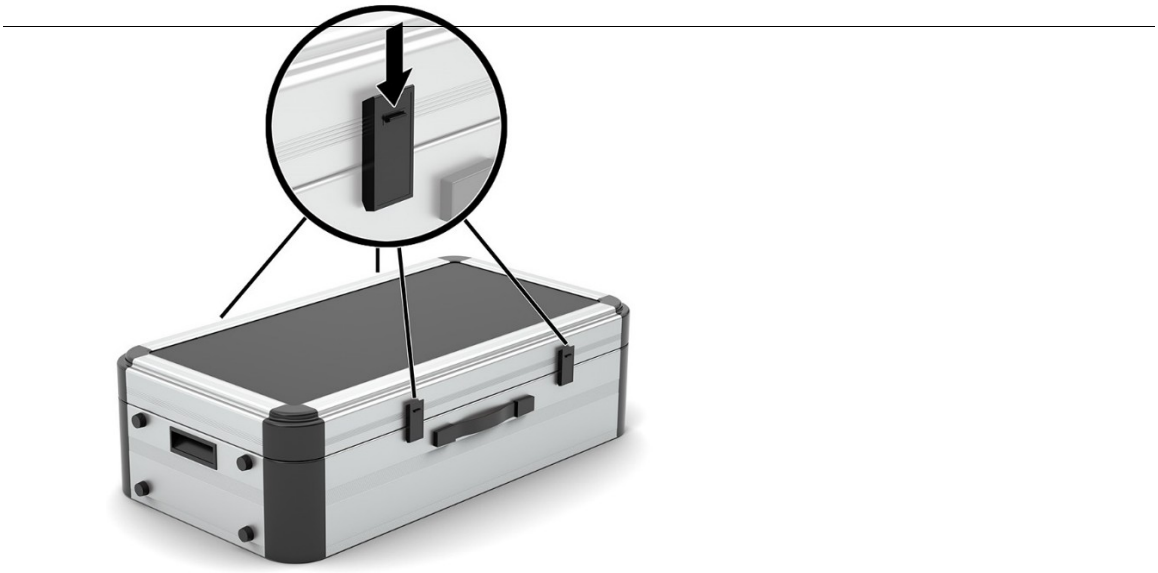
Setup

Placing the scanner

1. Place the scanner where you want to install it.

   Note
   Place the scanner on a solid, level, and non-skid surface. Do not place the scanner under direct lighting or sunlight.

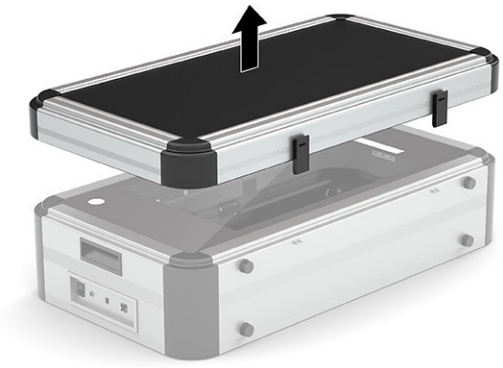
2. Press down to undo the clips securing the scanner cover.



Follow the instructions on the transportation lock to remove it from the scanner.

   Note
   Be sure to keep the transportation lock to protect the scanner if you move it.

3. Remove the scanner cover.



4. If you intend to scan the feet of standing customers, unfold the support legs on the bottom of the scanner cover (1),and then place it next to the scanner to be used as a support step (2).

– or –

If you intend to scan the feet of sitting customers, leave the front set of legs folded beneath the support step and place it underneath the scanner. Ensure the customer is seated on a chair with one foot on the scanner.

Installing the software

Please refer to the software guide provided with the application being used.

Notice
Do not connect the scanner to your computer until after the software is installed.

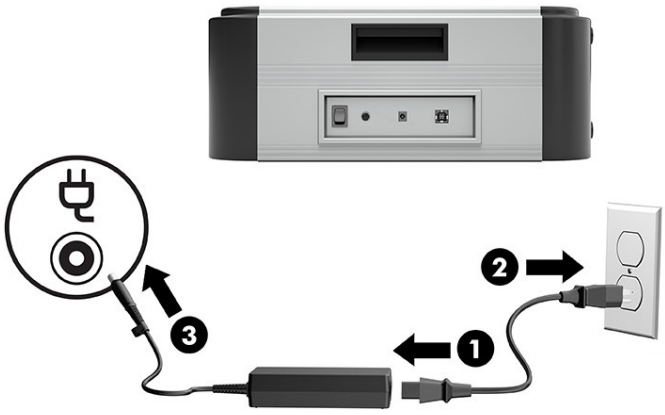
For instructions on installing the software, see the Footscan user guide.

Connecting to your computer

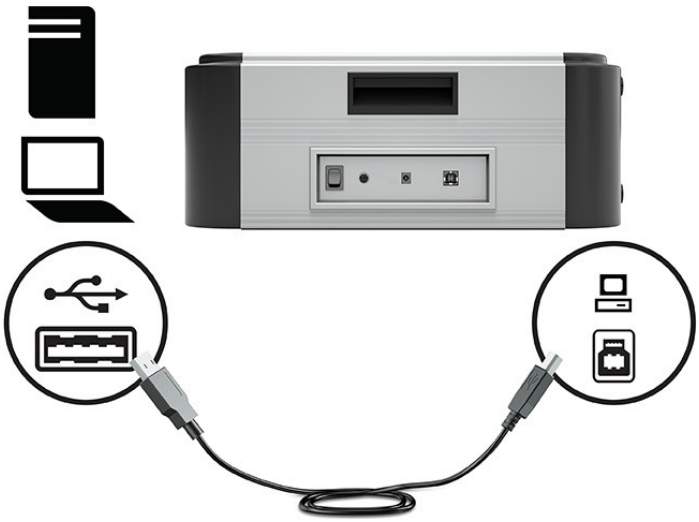
After you have installed the software on your computer, you can connect it to the scanner.

1. Be sure that the scanner is turned off.
2. Connect the power cable to the AC adapter (1), and then connect it to an AC outlet (2). Then, connect the AC adapter to the scanner (3).

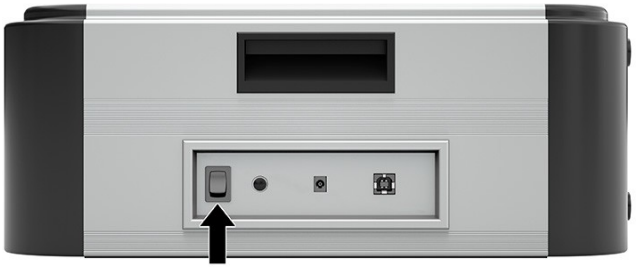
Warning ⚠
To reduce potential safety issues, use only the AC adapter provided with the scanner, a replacement AC adapter provided by HP, or a compatible AC adapter purchased from HP.



3. Connect the USB Type-B connector on the included USB cable to the scanner. Then, connect the USB connector on the included USB cable to a USB port on your computer.



4. Turn on the scanner.



The scanner performs a self-test after it is connected to a computer. The activity light turns green when the scanner is readyto be used.

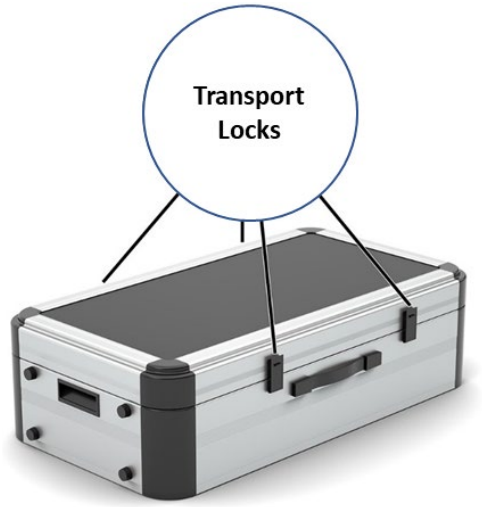
Using the scanner

1. Instruct the customer to stand with one foot on the scanner and one foot on the support step.
2. Be sure that their foot is positioned in the center of the transparent scanner glass.
3. Press the Start button.

⚠

Transporting the scanner

1. Secure the top cover with the transport locks as shown in below figure before transporting the scanner.
2. Transport the scanner in the position as shown in below figure.
3. Use the original packaging or similar packaging material for shipment.



Symbols

The following symbols may appear on the product, packaging, or documentation:

	Caution read these instructions carefully. If used on the product label: Caution, consult accompanying documentation.
	Regulatory Mark for the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE).
SN	Serial number
	Manufacturer
	Type B applied part; the entire 3D foot scanner is designated as Type B applied part
CE	CE mark according to European Directives
	Power
	DC Power
	USB Port
	Do not jump on the glass plate, or tread lightly.
MAX	Do not exceed the maximum weight limit of 200Kg (440 lbs.).
LASER 1	Class 1 laser product as per IEC 60825-1:2014
	This way up.
	Fragile, handle with care.
	Keep dry.
+50°C +5°C	Temperature limitation

	Humidity limitation
	Atmospheric pressure limitation
	Refer to instruction manual
	Recyclable packaging

Troubleshooting

The power switch light does not turn on.

1. Verify that the power switch is in the on position.
2. Verify that the AC adapter is connected to an AC outlet.
3. Verify the DC input connector is fully seated and connected to the scanner.

The computer does not recognize the scanner.

1. Verify that the USB cable is connected to both the scanner and the computer.
2. Uninstall and then reinstall the software.

Maintenance

Cleaning the scanner

Be sure that you clean the scanner glass between each customer. The glass and other surfaces can be cleaned anddisinfected with a mild detergent or the included glass wipes.

Do not pour or spray any cleaning products directly on the scanner. Be sure that you use a damp cloth or lint-free wipe.Be sure that the glass is completely dry before use.

Do not use solvent-based, flammable, aggressive, or abrasive cleaning products such as acetone or ammoniac. Consult the label of any cleaning product before use.

Manufacturer contact information

HP Inc.

1501 Page Mill Road

Palo Alto, CA 94304

Tel. +1 650 857 1501

Website
Support.myarize.com

Regulatory information

RMN: SDI-E901
If required, regulatory markings for your country or region are located on the product, on the packaging, or elsewhere in this document.

Warnings

This section contains instructions regarding safety. Please read carefully.

- Activity light: Red indicates the scanner is busy.
- To reduce the risk of electric shock or damage to the equipment:

  - Use the AC adapter provided with your HP product
  - Plug the power cord into an AC outlet that is always easily accessible.
  - Disconnect power from the scanner by unplugging the power cord from the AC outlet.
  - If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do notdisable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.
  - To reduce potential safety issues, only the AC adapter provided with the scanner, a replacement AC adapter provided by HP, or an AC adapter purchased as an accessory from HP should be used with the scanner.
- All users should read this guide before using the 3D Foot Scanner. This guide should be always available to users.
- Prior to a measurement session, instruct the client how to stand on the 3D Foot Scanner.
- Do not jump on the glass plate. Protect the glass plate from high impacts or sharp objects.
- Do not exceed the maximum specified weight of 200 Kg (440 lbs.).
- Do not stand or sit on the scanner's sides.
- Do not use the 3D Foot Scanner if cables or parts such as the glass plate, steps or handlebar are damaged.
- Do not use a USB connection cable longer than the supplied 1.8m (71 Inches) cable. Use a powered hub or active extension cable in combination with the supplied cable if a longer connection cable is required.
- Always use the supplied USB cable for compliance to the applied standards.
- Heavy device; lift with two persons
- Install the 3D Foot Scanner level on a solid, level, and non-skid surface.
- Power off the 3D Foot Scanner when not in use or before connecting / disconnecting cables.
- Unplug the power cord when not in use for longer periods.
- Only use the supplied EN 60601-1 compliant AC adapter. Using other power supplies may violate the safety standard and/or could damage the scanner.
- Do not wrap the cord from the AC adapter around the AC adapter. This may damage the cord.
- To reduce the risk of electric shock or damage to the equipment, plug the AC adapter into an AC outlet that is always easily accessible.
- Protect the 3D Foot Scanner cables and connectors from accidental damage. Secure the cables to prevent accidental tripping or entanglement. Do not bend or wrap the cables.
- Protect the 3D Foot Scanner from shocks and vibration.
- Do not place the 3D Foot Scanner adjacent to equipment or power lines which generate strong electromagnetic or electrostatic fields, or in the vicinity of sensitive equipment. Relocate if necessary.
- A minimum distance between the 3D Foot Scanner and sources of reciprocal interference shall be at least 0.25 m.
- Do not operate or store the 3D Foot Scanner outside the specified environmental temperature and humidity range. Do not expose to direct sunlight. Do not expose to moisture.
- The connected PC should be compliant with the appropriate safety standard for

medical or non-medical equipment (EN 60601-1 or EN 60950-1).

-
- Ensure a safe distance of 1.5m between the client and the PC or other equipment not compliant with the EN 60601-1 standard.
- Should the client incur injury due to use or malfunction of the 3D Foot Scanner, providing all precautions are taken, the 3D Foot Scanner is well maintained and used as intended, report such event to the manufacturer.
- The 3D Foot Scanner is not intended to be used in an oxygen rich environment.
- The entire 3D Foot Scanner is designated as a type B applied part.
- Do not attempt to service or perform maintenance procedure while the scanner is in use.
- Any unauthorized service or modification of the scanner can result in unsafe operation of the scanner.
- Refer to the “Maintenance” section of the user guide for instructions on preventive inspection and maintenance.

Laser Safety

Warning
This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user maybe required to take appropriate measures.

This product contains lasers and are classified as Class 1 Laser Products in accordance with the standard IEC/EN 60825-1 and comply with its requirements.

For more safety, regulatory, labeling information, refer to the *Regulatory, Safety and Environmental Notices* provided with your user guides.

Radiation output and standards information		---
Max output of laser radiation ..... :	For Class 1 Laser product. It can be included in User Manual.	TBD
Pulse duration ..... :	CW Laser.	N/A
Emitted wavelength(s) ..... :	For Class 1 Laser product. The 650 nm can be included in the User Manual instead of on the marking label.	TBD
Name and publication date of the standard..... :	For Class 1 Laser product. The IEC 60825-1:2014 can be included in the User Manual instead of on the marking label.	TBD

Specifications

The foot scanner operates on DC power, which can be supplied by an external AC adapter.The AC adapter

must be rated at 100–240 V, 50–60 Hz. 1.5-0.75A

Do not place more than 440 lbs. (200 kg) on the scanner.

Input power

Table 3. Power specifications

Input power	Rating
Operating voltage and current	19.5 V dc 3.15A

Temperature, operating

Operational: +5°C to 40°C (41°F to 104°F)

Transport and storage: +0 °C to +50 °C (32 °F to +122 °F)

Relative humidity (noncondensing)

Operational: 20% to 80%

Transport and storage: Maximum 80% non-condensing

Atmospheric Pressure (kPa)

Operational: 50 kPa

Transport and storage: 50-106 kPa

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