Artec Spider II
Quick Start Guide

Version 1.3

Welcome

Congratulations! You are now the proud owner of an Artec Spider II, industry-leading ultra-high resolution handheld 3D scanner, capturing top quality data with flawless geometry acquisition in a rich color palette.

As you begin using your scanner, we would love to hear about your experiences with it. Whether you want to share a case study or demonstrate new ways in which you work, or if you need any guidance along the way, we are always ready to listen. Please feel free to get in touch with us at support@artec3d.com!

For the Artec Spider II Advanced User Manual and other Artec manuals, scan the QR code or visit: https://docs.artec3d.com/.

While every effort has been made to ensure the accuracy and completeness of the information in this user manual, Artec 3D assumes no responsibility or liability for any errors, omissions, or inaccuracies. The contents are provided "as is" and is subject to change without prior notice.

Ensure that the product is used in accordance with the latest version of this document on the manufacturer's website.

⚠ **CAUTION**

- Keep the scanner out of reach of children. Only trained or instructed adults may operate the device.
- Users must assess and accept all associated risks before operating the device. Improper use of the battery can lead to damage to the scanner, personal injury, loss of scanned items, harm to other equipment, or financial losses.

To ensure safe and effective operation and to minimize these risks, it's crucially important to carefully read and understand both this Quick Start Guide and the User Manual before beginning any work. Always follow all safety instructions and guidelines provided. If you have any questions or if any part of the user documentation is unclear, please do not hesitate to reach out to our support team for assistance.
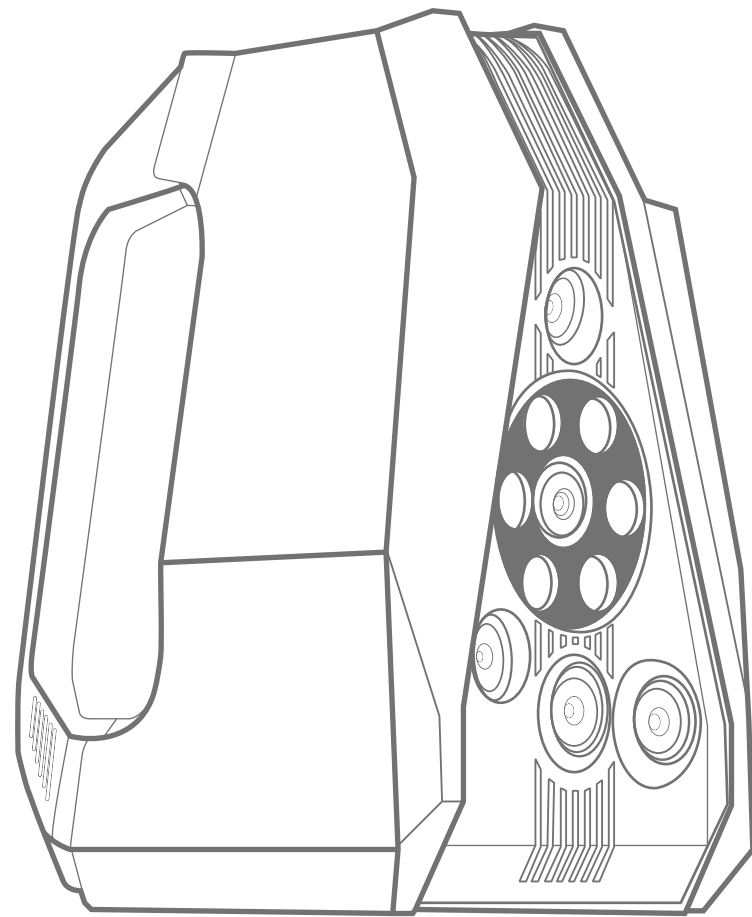
General Safety Directions

Risk of electric shock

- Working in hazardous areas or close to electrical installations or similar situations is a life risk.
- Make sure that the power supply does not come into contact with metallic/conductive objects.

Environment

The limits of use for the scanner are restricted as follows:

- To be operated indoors only
- Ambient temperature: 18 °C to 35 °C
- Relative humidity: At temperatures up to 31°C, the device can handle a relative humidity of 20% to 80%. As the temperature increases from 31°C to 35°C, the maximum allowable humidity decreases linearly from 80% down to 50% - not suitable for humid rooms, non-condensing.
- No direct sunlight in the scanning area
- Clean and dust-free environment

Unauthorized disassemble of the product

- Do not disassemble the product.
- Disassembling the device or attempting DIY (do-it-yourself) repair is strictly prohibited. Any changes or modifications not expressly approved by the party responsible for compliance (i.e. Manufacturer, or authorized repair shop) could void the user's authority to operate the equipment. Only authorized Artec 3D Service Centers are entitled to repair this product.

Photosensitivity/Epilepsy seizures

Read this notice before using the 3D scanner.

While light emitted by the scanner is safe for all surfaces including the eyes, for a small number of people may experience epileptic seizures or blackouts when exposed to certain visual stimuli, such as the structured light patterns and flashing lights emitted by 3D scanners. This risk applies even to those with no prior history of epilepsy or seizures.

If you or any of your family members have a history of epilepsy or seizures, it is strongly recommended to consult a physician before using a 3D scanner that utilizes structured light or flashing patterns.

Immediately discontinue use and seek medical attention if you or anyone under your care experiences any of the following symptoms: dizziness, altered vision, eye or muscle twitching, involuntary movements, loss of awareness, disorientation, or convulsions.

To minimize the risk of photosensitive epileptic seizures, follow these precautions: limit exposure to the scanner's light patterns, ensure the environment is well-lit, and take regular breaks if you feel fatigued or experience discomfort during scanning.

Step #1

**Unboxing /
Scope of delivery**

Please remove the scanner from the outer packaging and verify that the following standard configuration items are present in the container.

- Working in hazardous areas or close to electrical installations or similar situations is a life risk.
- Make sure that the power supply does not come into contact with metallic/ conductive objects.
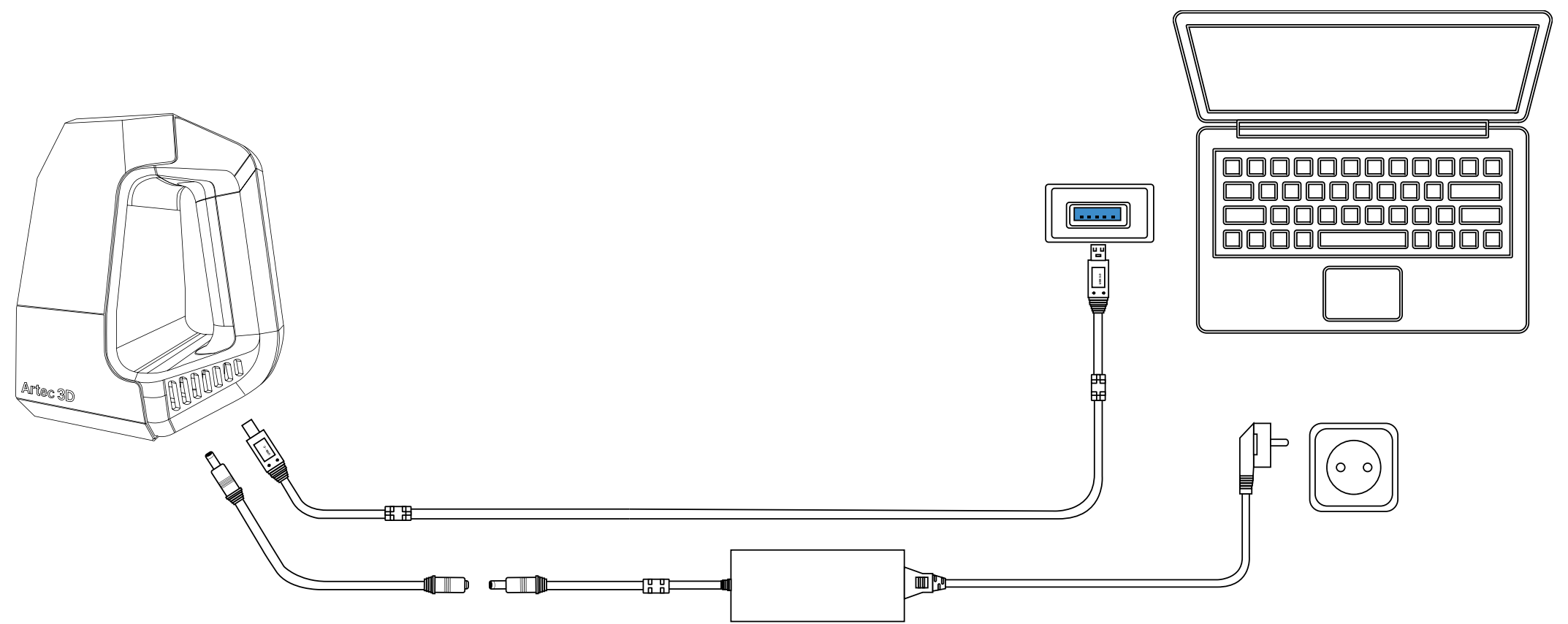

Scope of delivery:
- 1x Artec Spider II 3D scanner
- 1x Calibration board
- 1x Power supply
- 1x AC Power cable
- 1x Carry case
- 1x Thunderbolt cable
- 1x DC cable
- 1x Letter for customer
- 1x External carton box

⚠ **CAUTION**

Please keep the scanner's packaging for any return (repair, exchange etc).
This will help prevent transportation damage.

Step #2

Example of Setup / Connection

To connect **Artec Spider II**:

1. Take one end of the Thunderbolt cable and plug it into the Thunderbolt port on the scanner.
2. Plug the other end of the Thunderbolt cable into the Thunderbolt port on the computer.
3. Plug the power cable into the power port on the scanner.
4. Plug the other end of the power cable into the power adapter.
5. Finally, after confirming that the above steps are correctly done, plug the power adapter into a power socket.

⚠️ **CAUTION**

- Please ensure that you have a sufficient working area to scan objects and all cables are well organized. Cables should be organized in a way that prevents accidental snagging on other objects. Make sure the cables are long enough to scan the object. Excessive tension on the cables can lead to damage to connectors of the scanner, computer, power adapter, and in rare cases, to rupture and cause damage to the protective sheath of the cables.

- Please place the scanner on a safe and stable surface, where it will not be accidentally pushed away or damaged by other objects, people, or pets.

- Keep adequate distance between scanner and other objects, sources of heat, persons to maintain safety during the scanner work.

- Ensure that the scanner is properly secured in your hands while holding it. Place it on a table or another surface very carefully. Any damage to cables, connectors and scanner caused by improper use of the scanner and the organization of the workspace is not covered by the warranty. It is prohibited to use scanner if cables are damaged.

- Please only use the supplied cables. Using other cables is at your own risk. Any damage to cables and scanner caused by improper use of the scanner and the organization of the workspace is not covered by the warranty. It is prohibited to use scanner if cables are damaged.

Step #3

Recalibration

Every Artec scanner is delivered is pre-calibrated, but rough handling during transport can cause issues like incomplete or hole-filled scans. These can be easily fixed by recalibrating the scanner in Artec Studio (version 19.1 or later), a quick process that takes under 5 minutes.

Please refer to the Artec Spider II Advanced User Manual available in the Documentation Portal at https://docs.artec3d.com/ for further details.

Startup

Artec Spider II requires Artec Studio 19 (and later) software which allows it to scan and process scanned data and should be purchased separately. Note that an Internet connection must be available to download and license the software.

> **NOTICE**

For the information regarding the installation of Artec Studio and scanner activation, refer to the Artec Studio manual available in the Documentation Portal at https://docs.artec3d.com/.

Before scanning:

1. Warm up Artec Spider II for several minutes.
2. Launch Artec Studio.
3. Open Scan panel.

To gain the highest output quality, we recommend calibrating Artec Spider II before each scanning session. To do this, follow the calibration instructions in Artec Studio.

Scanning

Scan control button on scanner to start scanning

Stop — **Stop** button in Artec Studio to complete scanning

Scan object:

Now you are all set up to start scanning the object.

1. Click the **Preview** button in Scan panel or press the **Scan control** button on the scanner.
2. Direct the scanner at the object. Ensure that the distance between the scanner and the object is optimal.
3. Click the **Record** button in Scan panel or press the **Scan control** button on the scanner a second time to start capturing.
4. Click the **Stop** button in Scan panel or double-press on the **Scan control** button on the scanner when scanning is complete. Artec Studio will automatically perform initial scans processing and optimization.

> **NOTICE**

For further information regarding the scanning and post-processing settings, please refer to the Artec Studio manual.

> ⚠ **CAUTION**

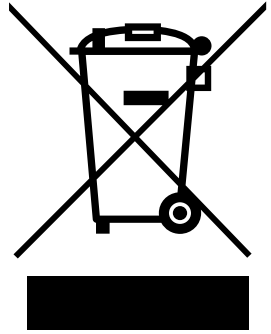It is mandatory to carefully read the Advanced User Manual prior to any use of a scanner.
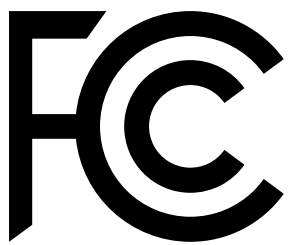
Regulatory Information

The European Union

This product is in compliance with applicable EU regulations and **CE mark** is properly affixed to the scanner.

The applicable EU Directives are outlined in the CE declaration of conformity.

Disposal of Electrical and Electronic Equipment in Private Households

In the European Union, Norway, Iceland and Liechtenstein: This symbol on the product, in the manual, in the warranty, or on the packaging indicates that this product must not be treated as household waste. Instead, it should be taken to an appropriate collection point for the recycling of electrical and electronic equipment.

The U.S.

FCC Rules and Regulations

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.

  Other certifications and compliance information may be updated by Artec 3D from time to time. Please refer to Artec 3D Support Team (support@artec3d.com) for more information.

Thunderbolt and the Thunderbolt logo are trademarks of Intel Corporation in the U.S. and other countries.

Manufacturer	ARTEC EUROPE S.à r.l., 4 Rue Lou Hemmer, L-1748 Senningerberg, Luxembourg
Factory address	ARTEC EUROPE S.à r.l., 11 Breedewues, L-1259 Senningerberg, Luxembourg
UK representative	ARTEC 3D (UK) LTD, 71-75 Shelton Street, Covent Garden, London, WC2H 9JQ, United Kingdom