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› 3DMakerpro Seal Standard 3D Scanner User Manual

3DMakerpro Seal Standard

3DMakerpro Seal Standard 3D Scanner User Manual

Model: Seal Standard

1. INTRODUCTION

The 3DMakerpro Seal Standard is a high-precision 3D scanner designed for capturing detailed 3D models. It features a 0.01mm accuracy, a 24-bit color camera, and anti-shake technology, making it suitable for various applications including 3D printing, modeling, and reverse engineering. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

2. PACKAGE CONTENTS

Before proceeding with the setup, please verify that all items are present in the package:

- 3D Scanner (3DMakerpro Seal Standard)
- Power Adapter
- Data Transmission Cable
- User Manual (this document)



3D scanner



Power Adapter



**Data Transmission
Cable**



Manual

Image: The 3DMakerpro Seal Standard 3D Scanner along with its power adapter, data cable, and manual.

3. SETUP INSTRUCTIONS

3.1 Software Installation

The 3DMakerpro Seal Standard 3D Scanner requires the proprietary JMStudio software for operation. This software is compatible with Windows, macOS, Android, and iOS operating systems. Please download the latest version of JMStudio from the official 3DMakerpro website.

1. Visit the official 3DMakerpro support page.
2. Download the JMStudio installer appropriate for your operating system.
3. Follow the on-screen instructions to complete the installation.
4. It is recommended to keep your antivirus software active. If you encounter installation issues, temporarily disabling it might be suggested by the software, but proceed with caution and re-enable it immediately after installation.

3.2 Hardware Connection

Connect the scanner to your computer or compatible mobile device using the provided data transmission cable and power

adapter.

1. Connect the data transmission cable to the 3D scanner.
2. Connect the other end of the data transmission cable to an available USB port on your computer or mobile device.
3. Connect the power adapter to the scanner and then plug it into a wall outlet. The scanner requires direct power for optimal operation; a laptop's USB port alone may not provide sufficient power.



Image: The 3DMakerpro Seal Standard 3D Scanner connected to a laptop, ready for use.

4. OPERATING INSTRUCTIONS

4.1 Starting a Scan

Launch the JMStudio software. The software provides various scanning modes, including 'Easy Scan' for general use and 'Table Scan' for use with a turntable (not included). Select the appropriate mode based on your object and setup.

- **Precision Blue Imaging System:** The scanner utilizes blue light structured light technology to achieve 0.01mm accuracy and 0.05mm resolution, capturing fine details and textures.
- **24-bit Color Camera:** The integrated color camera captures vivid colors and intricate details, enhancing the realism

of your 3D models.

- **Anti-Shake Lenses:** Optical stabilization helps filter out unwanted jitter, ensuring smooth and continuous scanning, especially during handheld operation.
- **Scanning Speed:** The scanner operates at 10 frames per second (FPS), allowing for efficient data capture.

Full Color Fidelity

24-bit color camera adds vivid colors, contrast, and intricate details to models.



Image: The 3DMakerpro Seal Standard capturing full color fidelity of a parrot statue.

Blue Light Technology

The World's First 0.01mm Accurate Consumer 3D Scanner.



Image: The scanner employing blue light technology to capture an astronaut figure.

4.2 Scanning Tips

- **Object Size:** This scanner is optimized for smaller objects. While it can scan larger objects by combining multiple scans, optimal results are typically achieved with smaller items.
- **Surface Preparation:** Very dark, black, or highly reflective objects may not scan well. Consider using a 3D scanning spray to create a matte, non-reflective surface for better data capture.
- **Lighting:** Ensure consistent and adequate lighting conditions. Avoid direct sunlight or strong shadows that can interfere with the scanning process.
- **Distance:** Maintain an appropriate distance from the object as indicated by the JMStudio software. Being too close or too far can affect scan quality and tracking.

4.3 Software Features (JMStudio)

JMStudio is continuously updated to enhance scanning and editing capabilities. It supports 8 languages and offers lifetime free OTA updates.

- **Processing Tools:** The software includes tools for processing raw scan data, such as merging multiple scans and cleaning up models.

- **Export Formats:** JMStudio supports exporting 3D models in common formats like OBJ, STL, and ASC, ensuring compatibility with various 3D design software and 3D printers.

Compatible with **Windows & MacOS**

JMStudio exports formats
OBJ/STL/PLY/ASC

Support for 8 languages and lifetime free OTA updates.

Scan quality depends heavily on software, which is why our proprietary JMStudio is essential. Years of continuous iteration have resulted in enhanced scanning and editing capabilities.



Image: The JMStudio software running on both Windows and macOS, demonstrating cross-platform compatibility.

Effortlessly Create Ready-to-print 3D Models

Output models in STL formats for compatibility with 3D printers



Image: A 3D model of a bust in JMStudio, ready for export to a 3D printer.

5. MAINTENANCE

5.1 Cleaning the Scanner

To ensure optimal performance and longevity of your 3D scanner, keep it clean and free from dust and debris.

- Use a soft, dry, lint-free cloth to gently wipe the exterior of the scanner.
- For the lenses, use a specialized lens cleaning cloth and solution to avoid scratches.
- Avoid using harsh chemicals or abrasive materials, as these can damage the scanner's surface or optical components.

5.2 Software Updates

JMStudio receives lifetime free Over-The-Air (OTA) updates. Regularly check for and install updates to benefit from improved features, bug fixes, and enhanced scanning capabilities.

- Open JMStudio and navigate to the update section (usually found in settings or help menu).

- Follow the prompts to download and install any available updates.

6. TROUBLESHOOTING

This section addresses common issues you might encounter while using the 3DMakerpro Seal Standard 3D Scanner.

Problem	Possible Cause	Solution
Poor Scan Quality / Missing Details	Object is too dark, black, or reflective; incorrect scanning distance; insufficient lighting.	Apply 3D scanning spray to reflective or dark surfaces. Adjust scanning distance as indicated by software. Ensure even, bright lighting.
JMStudio Software Crashes / Loses Tracking	Software instability; system resource limitations; environmental factors affecting tracking.	Ensure your computer meets minimum system requirements. Close other demanding applications. Update JMStudio to the latest version. For tracking issues, ensure the object is stationary (if using a turntable) or move the scanner smoothly.
Scanner Not Detected / Insufficient Power	Loose cable connection; USB port not providing enough power.	Ensure all cables are securely connected. Use the provided power adapter and plug it into a wall outlet. Try a different USB port on your computer.
Difficulty with Multi-Scan Alignment	Automatic alignment limitations; complex object geometry.	Utilize JMStudio's manual alignment tools. For complex objects, consider adding markers or scanning from more overlapping angles.
Software Requires Administrator Rights / Antivirus Conflict	Specific software design; security software interference.	While running as administrator or temporarily disabling antivirus might resolve issues, these are not recommended security practices. If persistent, consult 3DMakerpro support for alternative solutions.

7. SPECIFICATIONS

Key technical specifications for the 3DMakerpro Seal Standard 3D Scanner:

- **Accuracy:** 0.01mm
- **Resolution:** 0.05mm
- **Color Camera:** 24-bit
- **Scanning Speed:** 10 FPS
- **Imaging System:** Precision Blue Light
- **Weight:** Approximately 0.16 ounces (scanner unit)
- **Dimensions:** Approximately 2 x 1 x 1 inches (package dimensions)
- **Manufacturer:** 3dmakerpro
- **ASIN:** B0FR8HY56K
- **First Available:** September 16, 2025

8. WARRANTY AND SUPPORT

8.1 Return Policy

The product is subject to a 30-day refund/replacement return policy. Please refer to your purchase platform's specific return guidelines for detailed instructions and eligibility.

8.2 Technical Support

For technical assistance, software issues, or operational guidance, please refer to the following resources:

- **JMStudio Software:** The software includes built-in tutorials and help documentation.
- **Online Resources:** Visit the official 3DMakerpro website for FAQs, updated manuals, and community forums.
- **Seller Support:** For product-specific inquiries or issues not covered in this manual, contact the seller (3DMakerpro Official Store) or the platform where the product was purchased.

Please note that specific warranty details beyond the return policy are not provided in the product information. For comprehensive warranty information, please contact the manufacturer or seller directly.