

NUTOMO SP300

NUTOMO SP300 Palm Vein Smart Lock User Manual

Model: SP300

INTRODUCTION

The NUTOMO SP300 Palm Vein Smart Lock offers advanced keyless entry solutions for your home. This smart deadbolt integrates multiple unlocking methods, including palm vein recognition, keypad codes, IC cards, smartphone app control, physical keys, and voice commands via Alexa. Designed for security and convenience, it features a durable construction, a long-lasting rechargeable battery, and easy installation.

PRODUCT OVERVIEW

The NUTOMO SP300 is a state-of-the-art smart lock system designed to enhance your home security and simplify access. Its core features include:

- **Multiple Unlocking Methods:** Palm vein, keypad code, IC card, smartphone APP, physical key, and Alexa voice control.
- **Ultra-Secure Palm Vein Recognition:** Contactless, 99.9999% accuracy, works with worn fingerprints, damp hands, or aging skin, and supports 360-degree recognition. All data is stored locally for privacy.
- **Built-in Wi-Fi:** No additional hub required for remote control and alerts.
- **Long-lasting Rechargeable Battery:** 7800mAh battery provides up to 240 days of use (based on 10 uses/day) with USB-C emergency charging.
- **DIY-Friendly Installation:** Compatible with most standard US & CA deadbolts, auto-adjusts to left/right doors (1.38" to 2.17" thick), and requires no extra drilling.
- **Durable Construction:** Made from aluminum with BHMA Grade 3 certification, IP54 waterproof rating, and operational in temperatures from -4°F to 158°F.

SETUP AND INSTALLATION

Before installation, ensure your door meets the following specifications:

- **Door Thickness:** 1-3/8" to 2-1/8" (35-55mm)
- **Door Hole Diameter:** 1-1/2" or 2-1/8" (38mm or 54mm)
- **Backset:** 2-3/8" or 2-3/4" (60mm or 70mm)

For a detailed visual guide, please refer to the official installation video below:

Your browser does not support the video tag.

Video Description: This official NUTOMO video provides a step-by-step guide on how to install the NUTOMO Palm Vein Smart Lock (Model SP300). It covers measurements, deadbolt adjustment, exterior lock installation, and mounting plate setup.

Installation Steps:

1. Adjust and Install the Deadbolt:

- Ensure the 'Up' marking on the deadbolt faces upwards.
- Insert the deadbolt into the door frame in its retracted (unlocked) status.
- Adjust the deadbolt length if necessary.
- Secure the deadbolt and install the strike box.

2. Install the Exterior Lock:

- Measure the cross bore diameter. If 1-1/2" (38mm), remove the spacer first. If 2-1/8" (54mm), install directly.
- Ensure the lock spindle remains vertical while passing the cable under the deadbolt.

3. Install the Mounting Plate:

- Pass the lock spindle through the central hole and route the cable through the right-side hole.
- Secure the mounting plate with two screws, ensuring proper alignment and flush installation.
- Make sure the knob is in a vertical status.

4. Connect and Power On:

- Remove the battery cover.
- Connect the cable to its respective port, align the lock spindle with the knob groove, and insert it. Tuck excess wire into the mounting plate hole for neatness.
- Secure the mounting plate in place with screws and put on the protective cover.
- To install the battery, align the groove with the port in the bottom of the battery compartment.
- Put the cover back.

No Touch, Just Wave



Image Description: A NUTOMO Palm Vein Smart Lock installed on a wooden door, with a hand waving over the sensor area. The image highlights the contactless recognition feature, showing a recognition speed of less than 1 second and a recognition distance of 2.0-5.9 inches.

OPERATING INSTRUCTIONS

Unlocking Methods:

The NUTOMO SP300 offers six convenient ways to unlock your door:

- **Palm Vein Recognition:** Wave your palm over the sensor for quick, contactless, and highly secure access. This method is effective even with worn fingerprints, damp hands, or aging skin, and supports 360-degree recognition.

NUTOMO SP300 VS Others

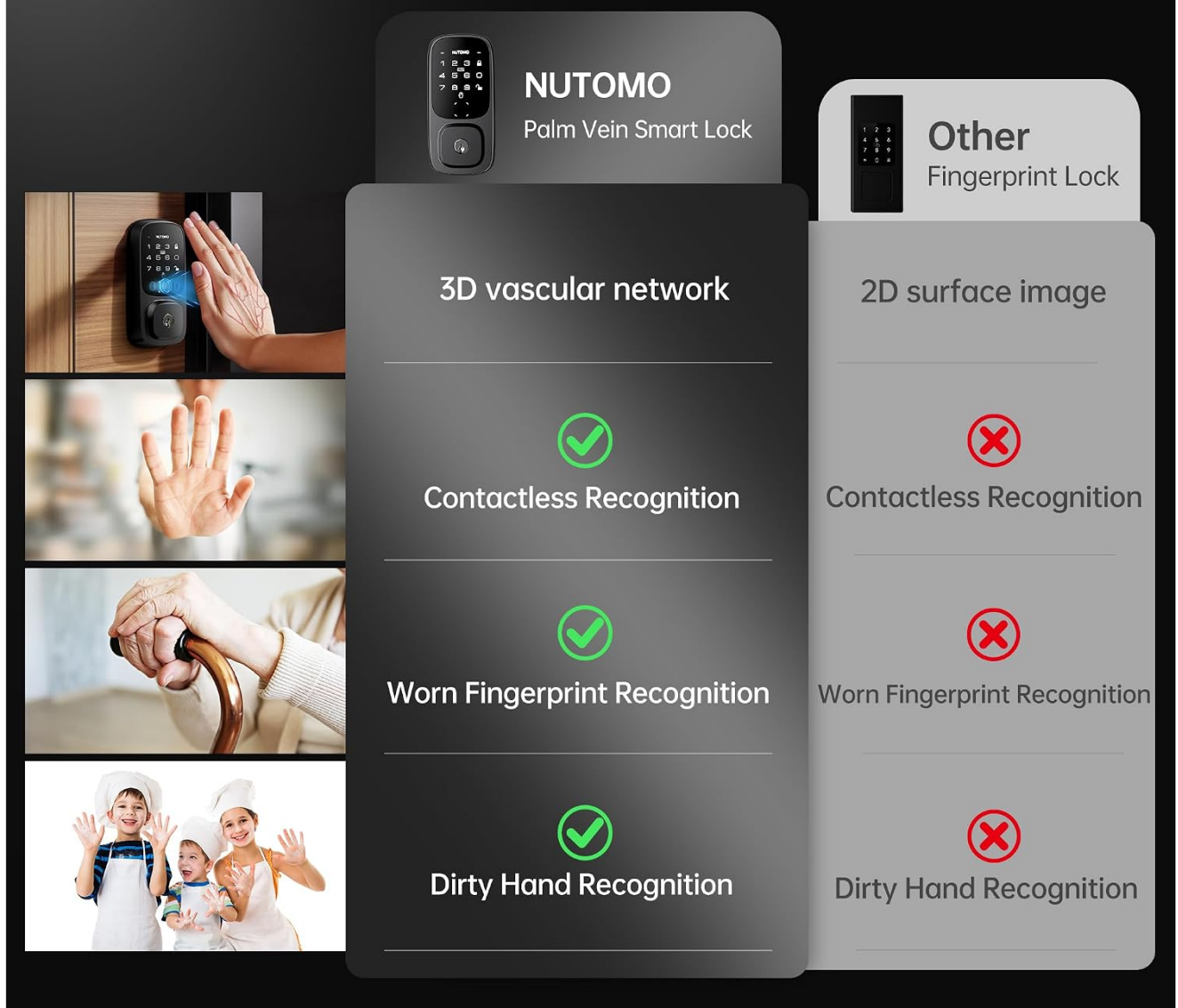


Image Description: A comparison chart illustrating the advantages of NUTOMO SP300's 3D vascular network palm vein recognition over traditional 2D surface image fingerprint locks. It highlights contactless recognition, worn fingerprint recognition, and dirty hand recognition as key benefits of the NUTOMO system.

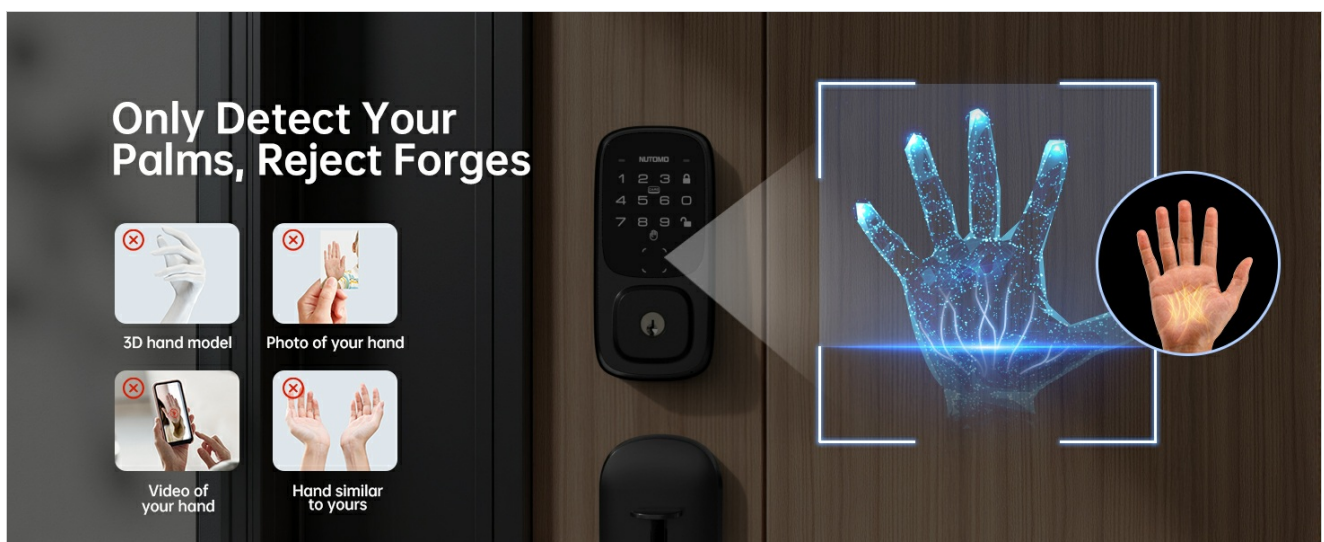


Image Description: This image demonstrates the advanced security of the NUTOMO Palm Vein Smart Lock, showing that it only

detects real palms and rejects attempts using 3D hand models, photos of hands, videos of hands, or hands similar to yours.

- **Keypad Code:** Enter your personalized code on the illuminated keypad. The anti-peeping feature allows you to add random digits before or after your actual PIN to prevent others from guessing your code.
- **IC Card:** Tap the provided IC card to the designated area on the lock for quick entry.
- **Smartphone APP Control:** Use the Smart Life app to remotely lock/unlock your door, grant temporary access, monitor entry logs, and receive real-time notifications from anywhere with a 2.4G Wi-Fi connection (no hub required).

Your browser does not support the video tag.

Video Description: This official NUTOMO video demonstrates the process of pairing the smart lock with the mobile application, enabling remote control and smart features.



Image Description: A smartphone screen showing the NUTOMO Smart Lock app interface, illustrating features like user management, multiple passcodes, real-time notifications, and the ability to view unlock history, allowing control from anywhere.

- **Physical Keys:** Two traditional keys are included for manual unlocking as a backup.
- **Alexa Voice Control:** Integrate with Amazon Alexa for convenient voice-activated locking and unlocking.

Your browser does not support the video tag.

Video Description: This official NUTOMO video showcases the various features and benefits of the NUTOMO Palm Vein Smart Lock, including its multiple unlocking methods and smart home integration.

Auto-Lock Feature:

The lock can be configured to automatically lock after a set period (5-15 minutes). You can also manually activate auto-lock by touching the lock key on the keypad.

MAINTENANCE

Battery Management:

The NUTOMO SP300 is powered by a 7800mAh rechargeable battery, offering up to 240 days of use based on 10 uses per day. When the battery is low, the lock will provide an alert. For emergency situations, a USB-C port is available for temporary power.

Control from Anywhere

Built-in-WiFi, no extra hub required.



User
Management



Multiple
Passcodes



Real-time
Notification



View
Unlock History

Image Description: An illustration of the NUTOMO Smart Lock's internal rechargeable battery, highlighting its 7800mAh capacity, which provides extended usage and reduces the frequency of charging.

Weather Resistance:

The lock is IP54 waterproof and designed to operate reliably in various climates, with a temperature range from -4°F to 158°F.

SECURITY FEATURES

The NUTOMO SP300 prioritizes your security with:

- **Advanced Palm Vein Authentication:** Exceeds biometric standards with 99.9999% accuracy, offering a touch-free and hygienic access solution. All biometric data is stored locally on the device, ensuring your privacy.
- **BHMA Grade 3 Certification:** This certification indicates high-grade security and durability, tested for 100,000 usage cycles, 72 hours of salt spray, 2000 N pull force, and 144 hours of humidity.

SPECIFICATIONS

Feature	Detail
Brand	NUTOMO
Model Number	SP300
Lock Type	APP Lock, Keyfobs & Key Lock, Keypad, Palm Vein Lock
Material	Aluminum
Item Dimensions (L x W x H)	0.71 x 5.4 x 2.79 inches
Item Weight	3.49 Pounds
Power Source	7800mAh Rechargeable Battery (USB-C emergency charging)
Connectivity	2.4G Wi-Fi (no hub required)
Smart Home Compatibility	Amazon Alexa, Google Assistant, Android, iOS
Special Features	Custom timed codes, APP control, auto lock, no extra drill, anti-peep keypad, one-touch lock, palm vein unlock, contactless unlock
Color	Black
Style Name	Deadbolt+Handle Set

TROUBLESHOOTING

If you encounter any issues with your NUTOMO SP300 Smart Lock, please consider the following common solutions:

- **Lock Not Responding:** Check the battery level. If low, recharge the battery using the USB-C port.
- **Palm Vein Recognition Failure:** Ensure your palm is clean and dry. Try re-registering your palm vein if issues persist.
- **App Connectivity Issues:** Verify your Wi-Fi connection (2.4GHz only) and ensure the lock is within range of your router. Restart the app and the lock if necessary.
- **Keypad Not Working:** Ensure the keypad is clean and free from debris. Check for any error messages on the display.
- **Mechanical Issues:** If the deadbolt is stiff or not retracting smoothly, check for any obstructions in the door frame or ensure the installation is correctly aligned.

For more complex problems or persistent issues, please contact NUTOMO customer support.

WARRANTY AND SUPPORT

NUTOMO is committed to providing reliable products and excellent customer service. Your NUTOMO SP300 Palm Vein Smart Lock comes with:

- **30-Day Money Back Guarantee:** If you are not satisfied with your purchase, you can return it within 30 days for a full refund.
- **1-Year Warranty:** Covers manufacturing defects and malfunctions under normal use.
- **Lifetime Technical Support:** Access to dedicated technical assistance for the lifespan of your product.

For any inquiries, technical assistance, or warranty claims, please visit the official NUTOMO website or contact their customer service team directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question