



Linux Version Software Manual

Thank you for purchasing the VaccineUSB3 (hereinafter referred to as "this product"). This manual explains how to use the Linux version software of this product. Please read this manual carefully to use this product correctly.

*For basic information about VaccineUSB3, please refer to the Windows manual.



Content

1 Before Use	3
2 License Agreement	5
3 Features of Linux Version Software	8
4 System Requirements.....	9
5 Limitations	10
6 Usage Flow/Demo Video	12
7 About the Software.....	13
8 Display Screen & LED Specification	15
9 Usage Instructions	17
10 About Log	19
11 Support.....	21

1 Before Use

This product is a licensed product containing malware (including virus) protection application programs using Trellix (formerly McAfee) engine and virus definition files and other content updates (hereinafter referred to as "Trellix Program"). Before using this product, please make sure to check and agree to the software license agreement (defining the product, license grant, prohibited restrictions, disclaimers, warranties, etc.) included separately with this product that stipulates the arrangements between our company and customers regarding the Trellix Program. By starting to use this product, you are deemed to have agreed to the terms.

*Trellix is a new brand created in 2022 through the integration of McAfee Enterprise and FireEye

Usage Precautions

To use this product correctly, please read and understand the following precautions before use. Please note that any product failures, troubles, or data loss/corruption of the target device connected to this product, or product failures and troubles due to incorrect handling are not covered by the warranty.

WARNING

- When installing and using this product, follow all warnings and precautions provided by the manufacturer of the target device.
- Do not use with power voltages other than specified. Doing so may cause ignition, fire, overheating, or electric shock.
- Never disassemble, modify, or repair this product. Doing so may result in fire, electric shock, or malfunction.
- Do not use this product while the target device is operating during malware scanning or virus removal. This may affect the device's performance.
- Do not handle this product with wet hands. This may cause electric shock or malfunction.
- Keep out of reach of small children and infants. Accidental ingestion of caps or small parts may cause choking. If swallowed, seek immediate medical attention.
- Do not use while walking or driving. This may cause accidents.
- Do not use this product in wet areas or places with high humidity. This may cause electric shock, fire, or malfunction.
- If liquid or foreign objects enter this product or connected devices, or if smoke or unusual odors are emitted, immediately turn off the power and unplug the power cable. Continued use may result in electric shock or fire.
- Before touching this product, discharge static electricity from your body by touching metal objects. Static electricity may cause damage or data loss.
- Do not forcefully bend, drop, damage, or place heavy objects on top of the product. This may cause malfunction.
- If the product's connector becomes dirty or dusty, clean it with a dry, clean cloth. Using the product while dirty may cause malfunction.
- Do not remove this product from the device or turn off the device's power while data is being written or read. This may corrupt or delete data and cause product malfunction.

CAUTION

- When installing and using this product, follow the usage instructions and precautions in the target device's user manual.
- Always backup data stored or to be stored on this product. We cannot be held responsible for any loss or corruption of programs or data recorded on this product.
- Due to the use of flash memory, this product has a limited lifespan (product warranty period follows the license period, with a maximum warranty of 5 years). After extended use, data writing and reading may become impossible.
- Before initializing this product, ensure no necessary data remains on it.
- Our company grants you a non-exclusive, non-transferable right to use the Trellix program stored on this product within Japan. This product is limited to self-use by you or your domestic affiliated companies that can permit audits by us or sales agents as specified in the license agreement. Under no circumstances may this product be rented or transferred to third parties, domestically or internationally. If you wish to use this product at overseas affiliated companies, obtain our written consent in advance. When exporting this product overseas, fully comply with all relevant domestic and international export regulations and procedures.
- This product is packaged for domestic shipping. For international shipping, please repackage appropriately.
- When executing malware scans, always download the latest virus definition files.
- The Trellix program embedded in this product does not remove computer viruses themselves but deletes infected files. (In scan-only mode, infected files are not deleted.) If the OS is infected, the infected OS files will be deleted, potentially rendering the host machine unusable until a clean OS is installed.
- Viruses in system files may not be removable.
- Viruses in system memory cannot be removed.
- New viruses are discovered daily. Some may not be detectable or removable, so please run malware scans with the latest virus definition files.
- After the product license period expires, you cannot obtain the latest virus definition files. No protection or guarantee is provided by the Trellix program after license expiration. We and our sales agents assume no responsibility for damages resulting from continued use after license expiration.
- Some viruses cannot be removed by this product.
- This product can detect viruses supported by Trellix when updated with the latest virus pattern files but does not guarantee detection of all viruses. Additionally, viruses may not be detected in encrypted files or password-protected compressed files.
- You agree that we may collect and use technical information, including but not limited to technical and related information about product usage (excluding your terminal information). This information is collected periodically to facilitate software updates, product support, and other services related to our products. We may use this information, only in forms that do not personally identify you, to improve our products or provide services and technologies to you.

Storage Precautions

Do not store the product in the following locations. May adversely affect the product or cause electric shock or fire:

- Direct sunlight
- Risk of water exposure
- Near heating equipment or fire
- High temperature (over 50°C), high humidity (over 85%), condensation, or rapid temperature changes
- Uneven surfaces, unstable bases, or areas with vibration
- Strong magnetic fields or static electricity
- Dusty areas

Warranty Terms

Defects discovered within the product warranty period will be repaired or replaced free of charge, limited to defects determined to be caused by the product itself. For damage or malfunction during transport, free repair or replacement will be provided only for damage/malfunction clearly determined to be due to our responsibility.

We cannot guarantee the applicability of application programs for your specific purposes.

Additionally, please note that we accept no responsibility in the following cases:

- Failure or damage due to customer mishandling such as dropping/impact during transport after delivery
- Failure or damage due to natural disasters (earthquakes, lightning, wind/water damage) or fires not our responsibility
- Repair or modification by parties other than our company
- Failure or damage resulting from handling contrary to usage methods and precautions in this manual
- Issues caused by malfunction or trouble with the target device
- Loss or corruption of programs or data recorded on the product
- Data leakage due to product loss or theft allowing third party access. We cannot compensate for potential damages, so please manage the product carefully.

Compensation Limitations

Under no circumstances shall our company or sales representatives be liable to customers for any incidental, indirect, special, or consequential damages including but not limited to loss of profits, use, data, credit, trust, business interruption or similar damages related to this product, nor for loss of expected profits.

2 License Agreement

This document outlines the conditions under which Live Monitor Plus (hereinafter referred to as "the Software") is provided for customer use. Please read this document carefully before installing the Software. This agreement establishes the terms under which the use of the software provided by Hagiwara Solutions Co., Ltd. (hereinafter referred to as "the Company") to the customer (hereinafter referred to as "the Customer") is licensed. The Company grants the Customer the right to use the licensed software in accordance with the following terms. The Customer should read the content of this agreement carefully and may use the licensed software at their own risk only if they agree to the content of this agreement. By using the licensed software, the Customer is deemed to have agreed to each term of this agreement. If the Customer does not agree to each term of this agreement, the Company cannot grant the Customer the right to use the licensed software.

****Article 1 (General Provisions)****

The licensed software is protected by copyright and other intellectual property laws and treaties, both domestically and internationally. The licensed software is licensed to the Customer by the Company under the terms of this agreement, and the intellectual property rights of the licensed software, including copyrights, belong to the Company and are not transferred to the Customer.

****Article 2 (License)****

1. The Company grants the Customer a non-exclusive right to use the licensed software.
2. The right to use the licensed software arising from this agreement refers to the right to use the licensed software on electronic devices that support the licensed software, for the Customer's devices, etc.
3. The Customer may not modify, add to, or otherwise alter any part of the licensed software.

****Article 3 (Restrictions on Rights)****

1. The Customer shall not re-license, transfer, lend, lease, or in any other way allow a third party to use the licensed software.
2. The Customer shall not use the licensed software to infringe on the copyright or other rights of the Company or any third party.
3. The Customer shall not engage in reverse engineering, disassembling, decompiling, or any other source code analysis work in relation to the licensed software.
4. Based on this agreement, the Customer may transfer all rights related to the licensed software, as an integral part of the electronic device on which it is installed, to a transferee, provided that the transferee agrees to the terms of this agreement. However, in such cases, the Customer may not retain any copies of the licensed software and must transfer all aspects of the licensed software (including all components, media, electronic documents, and this agreement).

****Article 4 (Rights to the Licensed Software)****

All rights related to the licensed software, including copyrights, belong to the Company or the original rights holder (hereinafter referred to as the "Original Rights Holder") who has granted the Company the right to license the use of the software to the Customer under this agreement. The Customer shall not have any rights to the licensed software other than the rights to use granted under this agreement.

****Article 5 (Scope of Liability)****

1. The Company and the Original Rights Holder do not guarantee that the update data defined in Article 6, Section 2 can be installed correctly, nor do they guarantee that the installation of such update data will not cause damages to the Customer.
2. The Company and the Original Rights Holder do not guarantee that the licensed software is free from errors, bugs, or other defects, that it will operate without interruption, or that its use will not cause damages to the Customer or third parties. They also do not guarantee that the licensed software does not infringe on the intellectual property rights of third parties or that manuals and other documents are error-free.
3. Products, software, or network services other than the licensed software on which the operation of the licensed software depends (including those provided by third parties, the Company, or the Original Rights Holder) may be discontinued or interrupted at the discretion of the provider of such software or network services. The Company and the Original Rights Holder do not guarantee that these products, software, or network services will operate without interruption and normally in the future.
4. The liability of the Company and the Original Rights Holder for damages to the Customer is limited to direct and actual ordinary damages that have occurred to the Customer, except in cases of intentional or gross negligence by the Company or the Original Rights Holder, and is limited to the purchase price of the licensed software that the Customer can prove.
5. The Company and the Original Rights Holder shall not be liable for any lost profits, consequential damages, indirect damages, or damages related to data loss or corruption, regardless of the cause of the obligation or tort.
6. The Company provides technical support related to the licensed software licensed to the Customer only through the Company's designated inquiry contact point. However, the Company may change the reception hours of the contact point and the availability of support at any time without the consent of the Customer. Furthermore, unless a separate contract is concluded between the Customer and the Company, the Company is under no obligation to provide or continue to provide such support.

****Article 6 (Copyright Protection and Automatic Updates)****

1. The Customer agrees to comply with all relevant domestic and international copyright and other intellectual property laws and treaties when using the licensed software.
2. The Customer must update the licensed software within 90 days following the publication of update data (hereinafter "Update Data") by the Company or a third party designated by the Company on the web for the purpose of improving security features, correcting errors, enhancing update functions, etc. of the licensed software. If more than 90 days pass after the Update Data has been published, the Customer cannot use the old version of the licensed software for any purpose other than updating it. The Customer agrees that (i) the functionality of the licensed software may be added, changed, or removed as a result of such updates, and (ii) the updated licensed software will also be subject to this agreement.

****Article 7 (Termination of Agreement)****

1. The Company may immediately terminate this agreement if the Customer violates any terms set forth in this agreement.
2. Upon termination of this agreement pursuant to the provisions of the preceding paragraph, the Customer must dispose of or return all of the licensed software to the Company within two weeks from the date of termination. If the Customer disposes of the licensed software, they must immediately submit documentation proving such disposal to the Company.

3. The provisions of Articles 4 and 5, Sections 2 and 3 of Article 7, and Sections 1, 3, 4, and 5 of Article 8 shall remain in effect even if this agreement is terminated pursuant to Section 1 of this Article.

****Article 8 (Consent to Use of Data)****

The Customer agrees that the Company may collect and use technical information related to the usage of this product (excluding information about the Customer's devices), which is not limited to these, for the purposes of software updates related to the Company's products, product support, and other services to smoothly provide to the Customer. This information will be collected on a regular basis. The Company may use this information in a manner that does not personally identify the Customer, for the purpose of improving products or providing services or technology to the Customer.

****Article 9 (Miscellaneous)****

1. This agreement shall be governed by the laws of Japan.
2. If the Customer takes the licensed software outside of the country, they must comply with the applicable ordinances, laws, export control regulations, and orders.
3. Any disputes related to this agreement shall be subject to the exclusive jurisdiction of the district court or summary court located at the Company's head office location in the first instance.
4. If any provision of this agreement is rendered invalid by law, such provision shall remain effective to the extent that it is deemed valid by law.
5. If there are any matters not stipulated in this agreement or any doubts arise regarding the interpretation of this agreement, the Customer and the Company shall discuss and resolve the matter in good faith.

3 Features of Linux Version Software

Malware Scan

Scans files stored on target devices and displays results via screen and LED indicators:

- During malware scan: Red ● LED and blue ● LED flash alternately
- When malware detected: Red ● LED lights up
- When no malware detected: Blue ● LED lights up

Scan Mode Selection

Two scanning modes available:

- Scan Only: Performs malware detection without removal
- Scan + Auto Delete: Performs malware detection and immediate removal upon detection

Comprehensive Log Management

Automatically records scan results, detected malware details, and system information in detailed log files.

Product Virus Infection Prevention

The product is configured to prevent any file writing. Includes functionality to prevent virus infection, including unknown viruses, when connected to an infected PC.

Configurable Scanning Paths

Enables users to define specific directories or drives for targeted scanning.

Shared License Period and Definition Files with Windows Version

License information activated on Windows PC and downloaded definition files are shared with Linux version software.

Command Line Interface

Linux version software operates via command line interface.

Notes:

- Perform log checking, activation, definition file updates, and license renewal on Windows PC
- License period (activation) and definition files downloaded on Windows PC are shared on Linux
- Windows version software settings do not apply to Linux version
- Linux version includes selected features from Windows version
- "Malware" refers to all harmful software including viruses, worms, trojans, spyware, and any malicious software affecting computers and networks.

4 System Requirements

Interface	USB 2.0 (High Speed/Full Speed) / USB3.0 (Super Speed)
Operating Environment *1*2	<p>CPU: Meets OS minimum requirements</p> <ul style="list-style-type: none"> -Supports both 64-bit (x64) and 32-bit (x86) Intel architectures. -ARM not supported <p>Memory (physical available): 1GB or more *2GB or more recommended</p> <p>HDD/SSD free space: 1.5GB or more</p> <p>Display resolution: VGA (640x480) or higher</p>
Supported Operating Systems	<ul style="list-style-type: none"> -Red Hat Enterprise Linux 9(64-bit) -Red Hat Enterprise Linux 8(64-bit) -Red Hat Enterprise Linux 7(64-bit) -Red Hat Enterprise Linux 6(32-bit/64-bit) -CentOS 8(64-bit) -CentOS 7(64-bit) -CentOS 6(32-bit/64-bit) -CentOS 5(32-bit/64-bit) -AlmaLinux OS 9(64-bit) -AlmaLinux OS 8(64-bit) -MIRACLE LINUX 9(64-bit) -MIRACLE LINUX 8(64-bit) -Rocky Linux 9(64-bit) -Rocky Linux 8(64-bit) -Debian12(32-bit/64-bit) -Debian11(32-bit/64-bit) -Debian10(32-bit/64-bit) -Ubuntu Linux 19 ~ 24(64-bit) -Ubuntu Linux 14 ~ 18(32-bit/64-bit) <p>Notes:</p> <ul style="list-style-type: none"> -Supported OS may change based on Trellix malware scan engine Our product's OS support may change with future updates.
Required Account/Permissions *2	<ul style="list-style-type: none"> -Root user -sudo privileges

*1 USB Mass Storage Class driver and CD-ROM driver must be pre-installed.

*2 Virus definition file size increases daily to handle new viruses. Required memory capacity may increase accordingly.

5 Limitations

✓ **Multiple Terminal/Session Execution**

This software cannot be launched simultaneously from multiple terminals or sessions. Always execute from a single terminal/session.

✓ **Multiple VaccineUSB3 Connections**

Do not connect multiple VaccineUSB3 devices to one terminal. May cause device failure.

✓ **Encryption and Password Protection**

The VaccineUSB3 is unable to scan files secured with encryption or password protection.

✓ **Operation with Security Software(cgroup,SELinux etc)**

Software may not function properly on PCs with security software(cgroup,SELinux etc) installed. Security software may restrict our software's operations or device access. If falsely detected by security software, please exclude VaccineUSB3 software.

✓ **Operation with OS/Software Access Restrictions**

VaccineUSB3 may be restricted when OS or software limits device access (e.g., device control). In such cases, please exclude VaccineUSB3.

✓ **Terminal Window Size**

Set terminal window size larger than software's single-line display requirements. (Default size usually sufficient) Display may be corrupted if made smaller.

✓ **Logoff/Suspend During Scanning**

VaccineUSB3 may malfunction if LinuxOS enters logoff or suspend while scanning. Do not logoff or suspend while VaccineUSB3 is operating.

✓ **Old Definition File Usage**

Linux version cannot use old definition files. Must update definition files after October 2024 (definition file version: 11200 or later). Scan/deletion will not work on Linux with definition file versions before 11200.

✓ **About Using in Virtual Environment**

While this product has been tested in certain virtual environments (undisclosed), we do not guarantee operation in all virtual environments. When using in a virtual environment, please verify operation in your specific environment before use.

In some virtualization software, the VaccineUSB3 may not be recognized properly. Additionally, USB device recognition and mounting processes in virtual environments are not supported. For any questions or issues related to virtual environments, please contact your virtualization software provider directly. We do not provide support for these matters.

[Troubleshooting Recognition Issues]

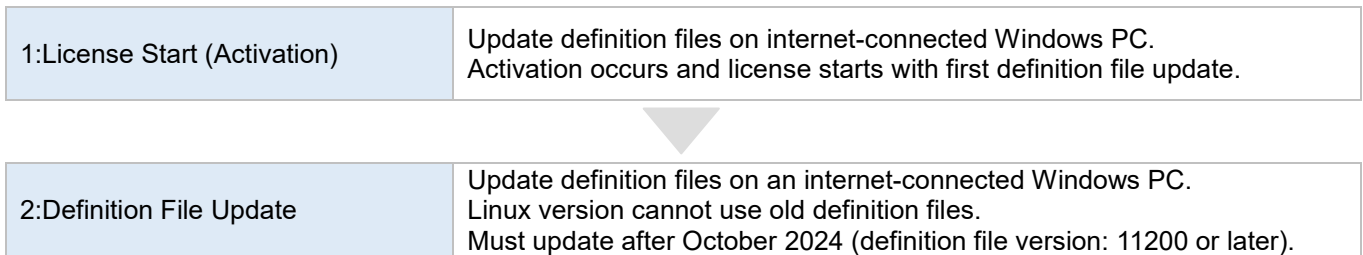
The following methods may improve device recognition:

- Change the USB settings in your virtualization software to USB 2.0 mode
- Try one of these alternative connection methods:
 - Direct connection to a USB 2.0 port

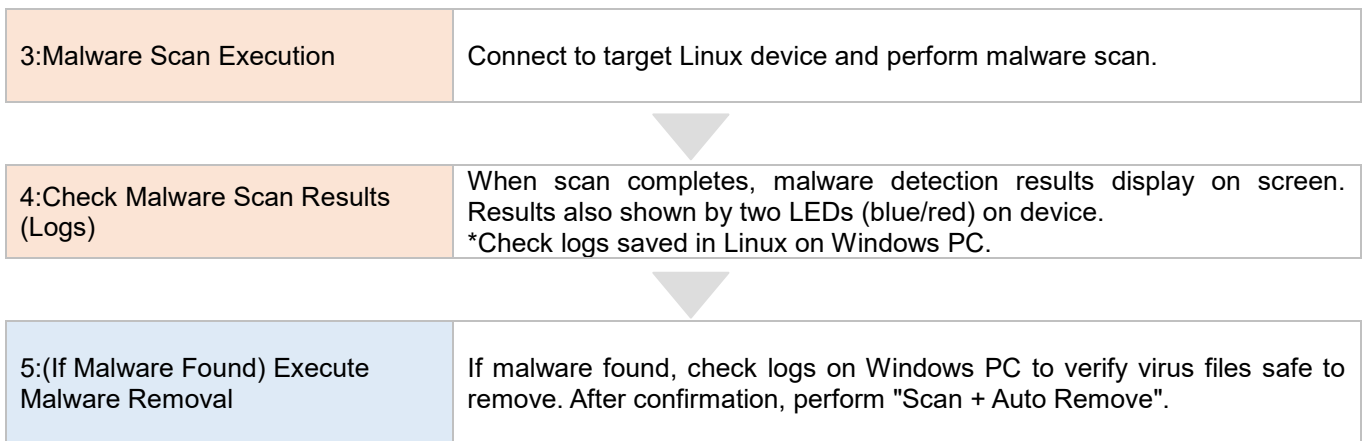
Connection via a USB 2.0 compatible hub
Connection using a USB 2.0 cable

6 Usage Flow/Demo Video

Activation & Definition File Update



Product Usage



Demo Videos about VaccineUSB3 Linux version software are available. Check the [VaccineUSB3 webpage](#).

Vaccine USB3

USB memory type virus check tool

"USB memory stick type" virus check and extermination tool with McAfee's virus checking engine. Just connect this product to your PC, it will automatically scan and save the log data.

Get Sample From DigiKey

DigiKey



How to use



7 About the Software

Software Overview

Execution shell name	startuplnx.sh
Execution shell storage location	VaccineUSB3 removable drive (Volume Label:VUSB_LNX)

This software is command-line based. The command overview is as follows:

Command Name	Description
Malware Scan	Scans files on device and detects malware (including viruses). Detects but does not remove viruses.
Malware Scan + Auto Delete	Scans files on device and removes malware (including viruses) upon detection. *Note: Will delete important PC files if infected, use with caution.
Help	Displays command information

Command Details

Malware Scan

Item	Content
Command Name	Malware Scan
Function	Scans files on device and detects malware (including viruses). Detects but does not remove viruses.
Command Structure	startuplnx.sh -scan -s <scan targets>
Arguments (Options)	-scan :Scans files on device --s :Scan Location Option (Note: --s uses two hyphens) Specifies source directory <scan targets> to scan For multiple directories, separate with spaces Without --s, scans all (permitted) files on device
Other	-If you do not specify a scan location, network drives will not be scanned. -To stop scan midway, press Q (usually: shift+q) in terminal. No log remains if stopped.

Malware Scan Command Examples:

To scan all accessible files on device:

```
sudo sh ./startuplnx.sh -scan
```

To scan two locations (/home/user/data and /home/user/test)

```
sudo sh ./startuplnx.sh -scan --s /home/user/data /home/user/test
```

Malware Scan + Auto Delete

Item	Content
Command Name	Malware Scan + Auto Delete
Function	Scans files on device and detects/removes malware (including viruses).
Command Structure	startuplnx.sh -delete -s <scan targets>
Arguments (Options)	-delete : Scans files and immediately removes detected malware --S:Scan Location Option (Note: --s uses two hyphens) Specifies source directory <scan targets> to scan For multiple directories, separate with spaces Without --s, scans all (permitted) files on device
Other	-If you do not specify a scan location, network drives will not be scanned. -To stop scan midway, press Q (usually: shift+q) in terminal.No log remains if stopped.

Malware Scan + Auto Delete Command Examples:

To scan and auto-delete from all accessible files:

```
sudo sh ./startuplnx.sh -delete
```

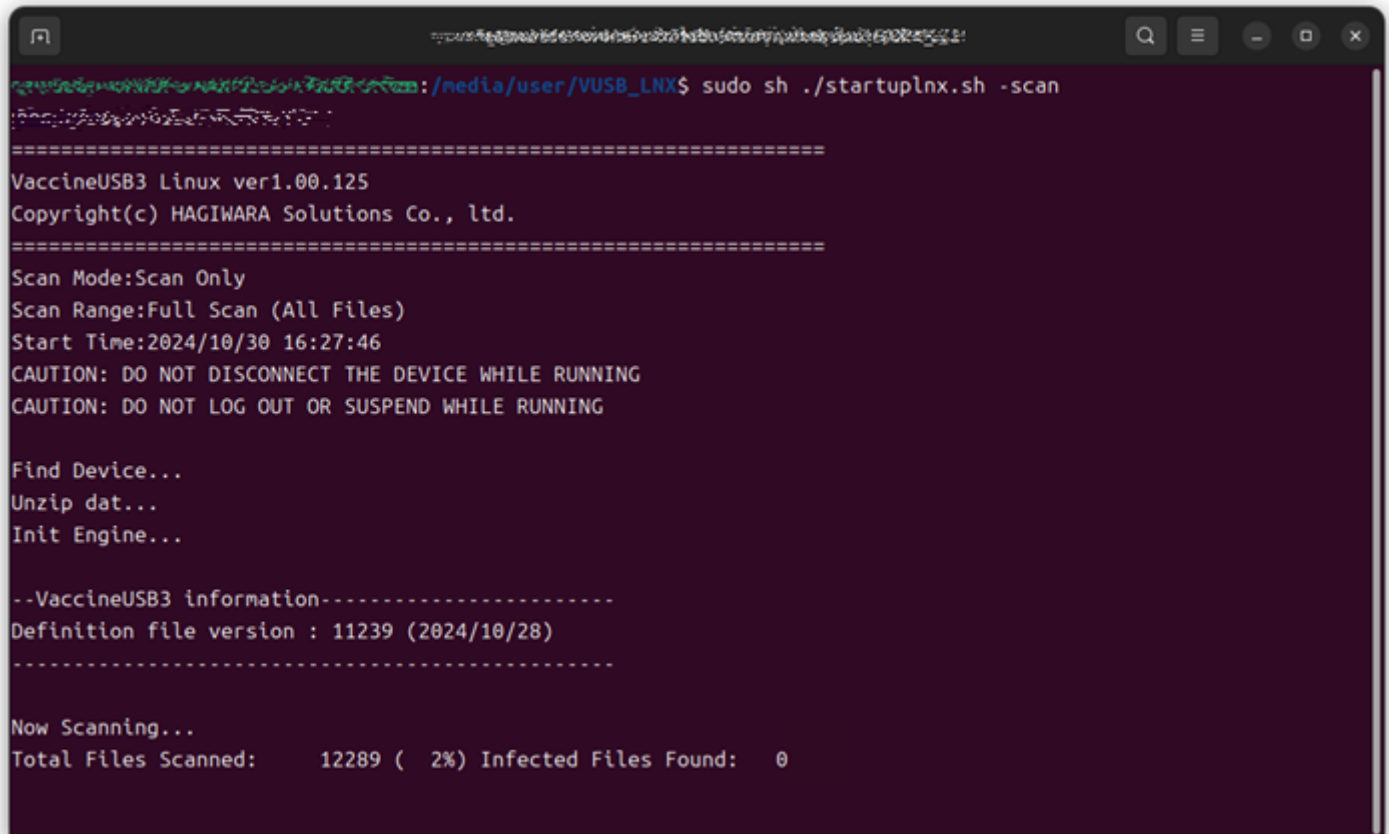
To scan and auto-delete from the following two locations:

```
sudo sh ./startuplnx.sh -delete --s /home/user/data /home/user/test
```

*Add space between source directories when specifying multiple directories

8 Display Screen & LED Specification

Scanning Display Screen Example:



```
root@vaccineusb3:/media/user/VUSB_LNX# sudo sh ./startuplnx.sh -scan
=====
VaccineUSB3 Linux ver1.00.125
Copyright(c) HAGIWARA Solutions Co., ltd.
=====
Scan Mode:Scan Only
Scan Range:Full Scan (All Files)
Start Time:2024/10/30 16:27:46
CAUTION: DO NOT DISCONNECT THE DEVICE WHILE RUNNING
CAUTION: DO NOT LOG OUT OR SUSPEND WHILE RUNNING

Find Device...
Unzip dat...
Init Engine...

--VaccineUSB3 information-----
Definition file version : 11239 (2024/10/28)
-----

Now Scanning...
Total Files Scanned:      12289 ( 2%) Infected Files Found:  0
```

Screen Component	Description
Version	VaccineUSB3 Linux software version information
Scan Mode	VaccineUSB3 operation mode: - Scan Only: Performs malware scan only - Scan + Auto delete: Performs scan and immediate deletion.
Scan Range	VaccineUSB3 scan range: - Full Scan (All Files): Scans all permitted directories - Custom Scan (Selected Files): Scans specified directory(files)
Start Time	Scan start date/time
Definition file version	VaccineUSB3 definition file version
Total Files Scanned	Number of files scanned by VaccineUSB3 (progress %)
Infected Files Found	Number of malware detected by VaccineUSB3.

Post-Scan Display Screen Example:

```

Now Scanning...
Malware scan completed.

--Scan Summary-----
Status:SAFETY (Scan completed succeddfully. No malwares found)
Total Files Scanned:6
Infected Files Found:0
Files Removed:0
Scan End Time:2024/10/30 16:32:27
Total Duration:61 s
-----
    
```

Status	Scan results(4 patterns) -SAFETY (Scan completed successfully. No malware found) No malware was found -SAFETY (Scan completed successfully. All detected malware was removed) Malware was detected but has been removed -WARNING (Malware was found) Malware was found -WARNING (Some malware could not be removed) Malware was detected but could not be removed
Total Files Scanned	Total number of files scanned.
Infected File Found	Number of malware detected.
File Removed	Number of malware removed.
Scan End Time	Scan completion date/time.
Total Duration	Scan duration (seconds).

LED Specification

VaccineUSB3 displays scan status/results via built-in LEDs. Results can be checked even on devices without monitors.



Status	Blue LED	Red LED
Idle (Pre-scan)	Off	Off
Scanning	Blinking	Blinking
Scan Summary : No malware was found	On	Off
Scan Summary : Malware was detected but has been removed	On	Off
Scan Summary : Malware was found	Off	On
Scan Summary : Malware was detected but could not be removed	Off	On
Other Error Occurred	Off	Blinking

9 Usage Instructions

Example usage procedures are explained below. *Steps may vary depending on the environment.

Procedure : Malware Scan

Prerequisites:

USB drive auto/manual mount functionality must be available on Linux system. If the USB drive cannot be mounted, check the Linux manual or guide.

Steps:

1:Connect VaccineUSB3 to device and auto/manually mount USB drive. *VaccineUSB3 has two drives (CD-ROM and removable drive), but the Linux version uses only removable drive, so CD-ROM mounting is optional.

2:Open mounted USB drive (volume label: VUSB_LNX).

3:Right-click inside folder (not on file or folder icons) and select [Open in Terminal]. The terminal opens. *Elevate to Root privileges if needed.

4:Use following command to scan device files:

```
sudo sh ./startuplnx.sh --scan --s <scan targets>
```

To scan entire device:

```
sudo sh ./startuplnx.sh -scan
```

To scan the following two locations (/home/user/data and /home/user/test):

```
sudo sh ./startuplnx.sh -scan --s '/home/user/data' '/home/user/test'
```

Enter privilege elevation password when prompted.

5:The device scan begins. VaccineUSB3's blue/red LEDs flash during scan.

Warning: Disconnecting the VaccineUSB3 during the scanning process may result in device damage. Please ensure the device remains connected until the scan is complete.

6:The scan results display (screen/LED) after completion. Log saved to VaccineUSB3.

7:Close the terminal and remove VaccineUSB3. Check VaccineUSB3 logs on Windows PC.

Procedure: Malware Scan + Auto Delete

Prerequisites:

USB drive auto/manual mount functionality must be available on Linux system.

If the USB drive cannot be mounted, check the Linux manual or guide.

Steps:

1: Connect VaccineUSB3 to device and auto/manually mount USB drive.

*VaccineUSB3 has two drives (CD-ROM and removable drive), but the Linux version uses only removable drive, so CD-ROM mounting is optional.

2: Open mounted USB drive (volume label: VUSB_LNX).

3: Right-click inside folder (not on file or folder icons) and select [Open in Terminal].

The terminal opens. *Elevate to Root privileges if needed.

4: Use the following command (example) to scan device files:

```
sudo sh ./startuplnx.sh -delete --s <scan targets>
```

To scan and auto-delete from the entire device:

```
sudo sh ./startuplnx.sh -delete
```

To scan and auto-delete from two locations:

```
sudo sh ./startuplnx.sh -delete --s '/home/user/data' '/home/user/test'
```

Enter the privilege elevation password when prompted.

5. If you press 'y', the device scan begins. VaccineUSB3's blue/red LEDs flash during scan.

Warning: Do not disconnect VaccineUSB3 during scan. May damage device.

6. The scan results display (screen/LED) after completion. Log saved to VaccineUSB3.

7. Close the terminal and remove VaccineUSB3. Check VaccineUSB3 logs on Windows PC.

10 About Log

Malware scan (including deletion) results from Linux version software are saved as log files in VaccineUSB3.

Log files are generated for each scan. [*View logs on a Windows PC.](#)

Linux Version Software Log Contents

Key	Content
Section [PC_Information] PC Information	
ComputerName	Computer name
Date	Log file creation date/time
GlibVersion	glibc version
ProductName	Distribution Information
ProductNameS	Distribution Information
ProductVersion	Kernel version
TotalCPU	Number of CPU cores
UserName	Login username (account name)
IPAddress	IP Address
MacAddress	MAC address
Section[DeviceInformation] Device Information	
DeviceID	Number on device case (same as USB serial)
DeviceType	Fixed at 30
ProductID	Device ProductID
ProductVersion	Product version
SerialNumber	Device USB serial number
UniqueID	Reserved for internal purposes.
VendorID	Device VendorID
Section[ScannerVersion] App Information	
LastUpdate	Virus definition file update date
ScanEngine	Scan engine version
VirusDefinitionFileDate	Virus definition file date/time
VirusDefinitionFiles	Virus definition file version
Section[Scan Setting] App Settings	
Scan Mode	Scan range 0: Full scan 2: Custom scan
Scan Type	Scan type 0: Malware scan 1: Malware scan + auto delete
TotalThread	Number of threads when scanning
Section[TargetList] Scan Target List	
Target#	Scan location path (# is number) *Multiple entries for multiple locations

Section[License] License Information	
LicenseAlert	Company management number
LicenseLast	License end date
LicenseStart	License start date
LicenseTerm	License duration in days
Section[Result] Scan Result	
StartTime	Scan start date/time
EndTime	Scan end time
TotalTime	Scan duration (seconds)
TotalScanFiles	Total files scanned
VirusFiles	Number of malware detected
DeleteVirusFiles	Number of malware deleted
Section[Virus***] Detected Malware Information (***:Virus number 001~)	
Path	Malware full path
InfectType	The infect type defined by Trellix.
VirusName	The virus name defined by Trellix.
CleanAction	The malware scan result - CleanActionNoAction : Malware found (no deletion performed) - CleanActionVirusDeleteSuccess : Malware deletion successful - CleanActionDeleteFail : Malware deletion failed
Result	Reserved for internal purposes
Detected Malware Information Example	
Detected Malware Information Example	[Virus001] Path=/home/user/Desktop/eicar.txt InfectType=AVT_TEST VirusName=EICAR test file CleanAction=0x29AA0025:CleanActionVirusDeleteSuccess Result=0x710f0003:KEY_AV_SUMMARY_INFECTED

11 Support

Support & Maintenance Contents

Item	Details
Product	VaccineUSB3
Support Content	<p>Technical Support: Assistance with both the malware scanning software and hardware-related issues.</p> <p>Virus Definition Updates: Regular updates to ensure the virus database is current and effective against the latest threats.</p> <p>Software Enhancements: Minor updates to the malware scanning software, providing improved performance, bug fixes, and new features as needed.</p>
Support / Warranty Period	<p>ULD-VAU31A / HUD-MVDT31A: 1 year after purchase ULD-VAU33A / HUD-MVDT33A: 3 years after purchase ULD-VAU35A / HUD-MVDT35A: 5 years after purchase *Hardware warranty period starts from product delivery date</p>

Contact Information :

Contact	
E-mail	vsolsupport@hagisol.co.jp

-This product incorporates "UDRW Technology," a USB storage technology combining CD-ROM and removable storage areas (patented):

Japan: Patent No. 3914949, Patent No. 3699717, Patent No. 3513147

U.S.A.: Patent No. 7,111,121 B2

China: Patent No. ZL200410038475.6

Hong Kong: Patent No. HK1068990 B

Taiwan: Invention Patent No. I 261757

Korea: Patent No. 589521

European Patent: (Italy, France, Germany, United Kingdom) Patent No. 149182

-Product specifications, appearance, and service contents are subject to change without prior notice. Thank you for your understanding.

-Microsoft Windows is a trademark or registered trademark of Microsoft Corporation in the United States and other countries.

-All other company names and product names mentioned are trademarks or registered trademarks of their respective companies. The © and ™ marks are not explicitly stated in this document.

-Third-Party Library Notice

This software uses GNU libstdc++ (libstdc++.so.5). GNU libstdc++ is distributed under the terms of GNU General Public License version 2 with the "Runtime Library Exception.". The full text of the GNU GPL can be obtained from the following URL:<https://www.gnu.org/licenses/old-licenses/gpl-2.0.html>

How to Obtain the Source Code

The source code for GNU libstdc++ is provided as part of GNU GCC (GNU Compiler Collection). It can be obtained through the following methods:

GNU GCC Official Website:

<https://gcc.gnu.org/pub/gcc/releases/>

*Note: libstdc++.so.5 is included in the gcc-3.2.x series

GNU FTP Mirror:

<https://ftp.gnu.org/gnu/gcc/>

User Rights

Under the GNU GPL, users are guaranteed the following rights.:

The right to obtain and modify the library source code

The right to relink this software using a modified version of the library

This software is designed to allow users to relink with newer versions of libstdc++. For information about relinking procedures, please contact us.

Note: This software uses libstdc++ as a dynamic link library. The license of this software itself is not affected by the libstdc++ LGPL license.

VaccineUSB3 Linux Version Software Manual

Published: Jan 2025

Publisher: Hagiwara Solutions Co., Ltd.