GT Series

SATA/SAS
Hard Drive and SSD
Data Eraser

User Manual   v A.04

Index

Product Disclaimer

U-Reach is not accountable for any incidental or consequential damages, including, but not limited to property harm, loss of time or data from use of any U-Reach products or any other damages attributable to product malfunction or failure of including without limitation, those attributed to reliance of the materials provided, costs of product replacement, loss of use, data or profits, delays or business interruptions, any principle of legal responsibility arising from or in reference to the use, overall performance, delays in servicing, or lack of ability to render service of any U-Reach product. U-Reach makes every effort to ensure proper function of all products. However, the customer is responsible to verify that the output of U-Reach product meets the customer's quality requirement. The customer further acknowledges that improper use of U-Reach products, software program, and/or hardware issues can cause loss of data, defective formatting, or unreliable data loading. U-Reach will make efforts to resolve or repair any issues recognized by customer either within the warranty period or on a time and materials basis.

Specifications and features are subject to change without notice or obligation.

Warranty

U-Reach provides a basic one-year parts and labor warranty for all its products, excluding cables, adapters, and other consumable items. An extended warranty may be purchased. Telephone and email support is available for the life of the product as defined by U-Reach.

All warranties are specific to market region and will be defined per market region in which the product was purchased.

Piracy Statement

U-Reach accepts no responsibility for copyright infringement or misuse of any U-Reach equipment. Copying any form of data (audio, video, or software) without the permission of the copyright holder is illegal. It is the sole responsibility of the user to ensure that the legal copyrights of the copyright owners are respected.

Before You Start

Important Notice

- Carefully read the entire manual before operating. Damage incurred due to noncompliance with our operating instructions will void the warranty.
- Never turn off the power while the firmware is updating.
- While in use, do not move the machine or remove devices.
- Use only approved, stable power sources.
- Devices will operate at high temperature during high-speed tasks. Please wear protective gloves to prevent burns when handling devices.
- Devices working in high temperature may cause it to slow down or even shut down. Please make sure the devices are not overheated.
- Ensure machine and operator are properly grounded to prevent ESD.
- Static electricity may cause error. Please pay attention to the machine's environment and operator's equipment. Purchasing static electricity elimination equipment to avoid static electricity shock while in high static electricity areas.
- Store the equipment safely when not in use and keep out of the reach of children.
- Use product only in a clean, dry, dust free, and ventilated area. Liquids or foreign debris can severely damage the machine.
- Do not place vases, flowerpots, cups, cosmetics, medicines, small metal parts, or containers filled with water or any other liquid on/near this product. If liquid overflows or such objects or substances fall into the machine, it may cause damage to the product, which may seriously result in fire or electric shock.
- Do not place heavy objects on the product because the product may overturn and cause injury.

Product Care and Maintenance

Use a soft, dry, lint-free cloth and wipe the screen gently. If you see scratches on the screen, it may be a mark. Gently wipe it off with a soft, dry cloth. If you are unable to remove the stain, use a soft, lint-free cloth with water or lens cleaner, and do not allow the screen to come into direct contact with the liquid.

Notice Symbols

Special items, procedures, or notes to be observed prior to use.

- **Note:** Refers to related operations, special details, tips, or suggestions for operational effectiveness.
- **Caution:** Refers to procedures that need to be adhered to or precautions.

Product Introduction

1. GT864

■ **Front View**：

Touch Screen

USB port for Log Report Outputs and Firmware Updates.

Erase Target Port

Fast Key (OK Button)

SATA Cable

LED Status
Red：Fail
Yellow：Powered
Green：Pass

■ **Back View**：

Cooling Fan

USB Port for Printer Connecting

Power Switch

12V 12.5A Power Input
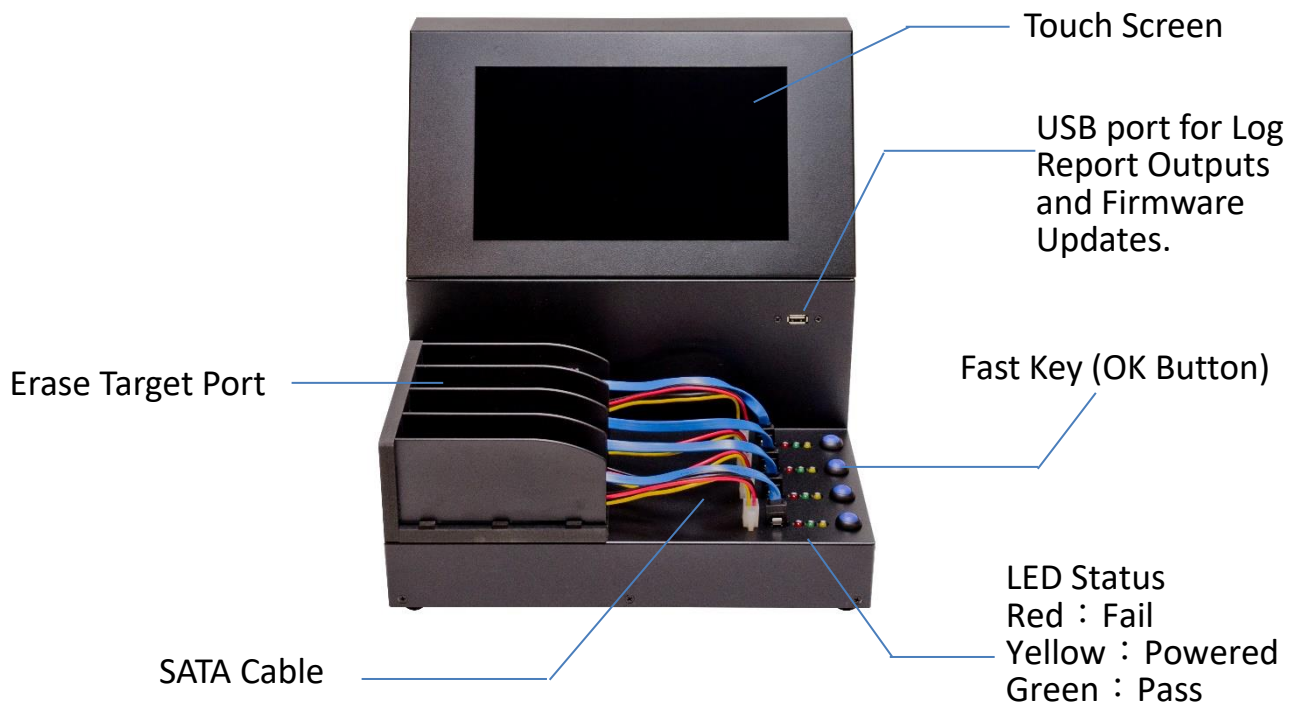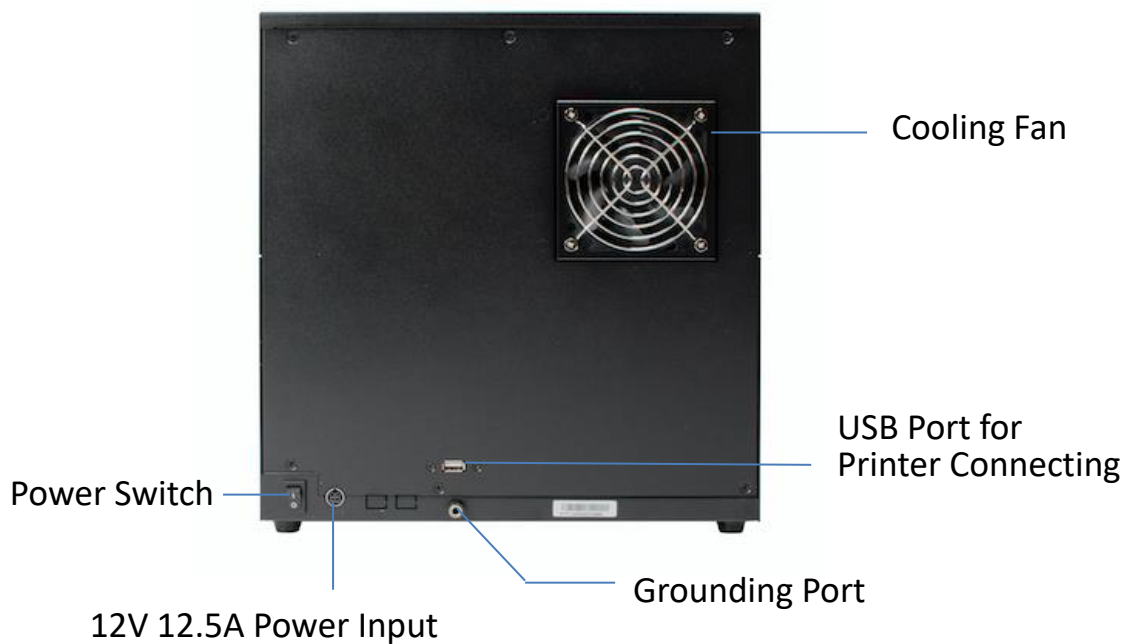
Grounding Port

■ **Standard Package**

| Machine with
SAS cable x 4 | 12V DC Power
Adaptor x 1 | Power Cord x 1 |

| Grounding Cable x 1 | User Manual x 1 |
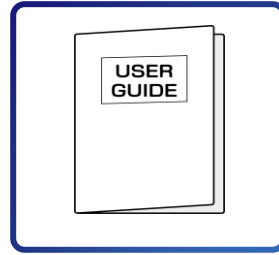
2. GT868/GT8616

■ **Front View**：

Touch Screen

USB port for Log
Report Outputs and
Firmware Updates.

Erase Target Port

LED Status
Red：Fail
Yellow：Powered
Green：Pass

SATA Cable

Fast Key (OK Button)

■ **Back View**：

Power Switch ——————

Power Input

USB Port for
screen connection
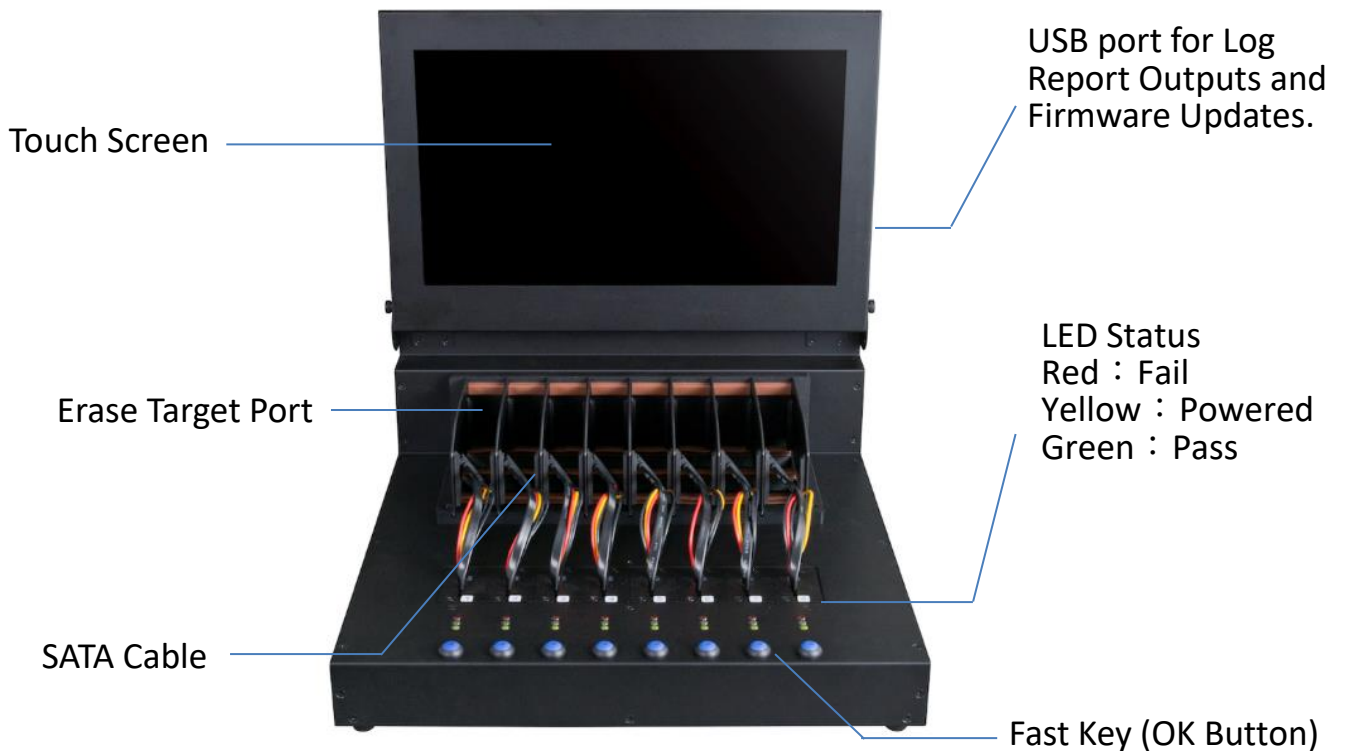
Grounding Port

■ **Standard Package**

Machine with
SAS cables

Power Cord x 1

Grounding Cable x 1

Screen Cable
(USB Cable) x 1
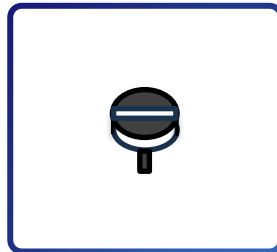
Screw x2
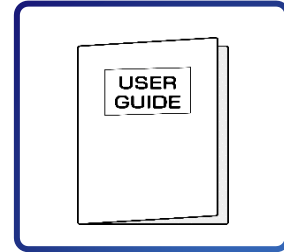
USER
GUIDE

User Manual x 1

How to Connect Screen Cable?

1. Before powering on, please connect the cables at the back of the screen and the system.
2. After confirming the screen angle, securely tighten the screws on both sides to avoid collisions with the system/device during operation.
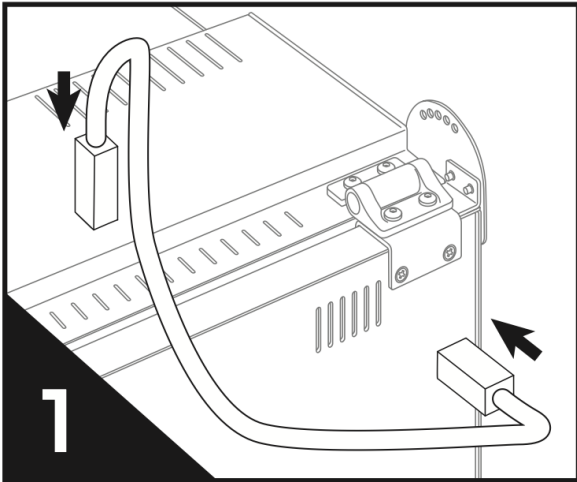
Install the screen connection cable.
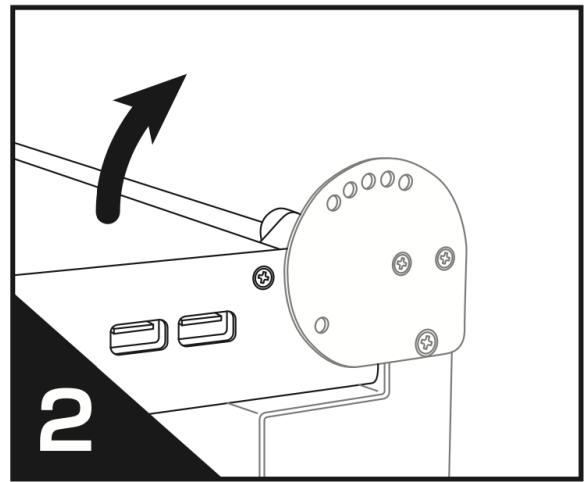
Adjust the screen angle.
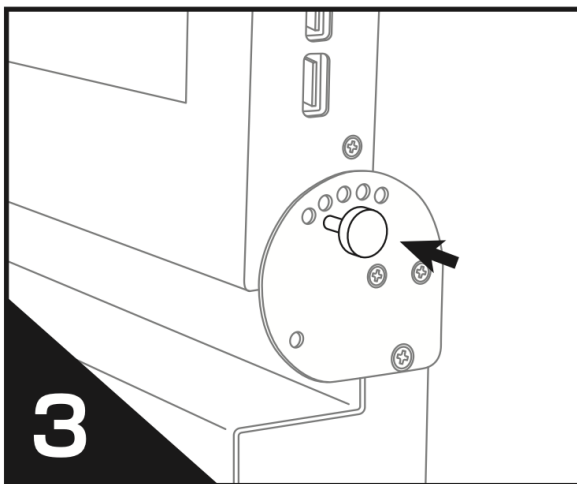
Tighten the securing screws of the screen.
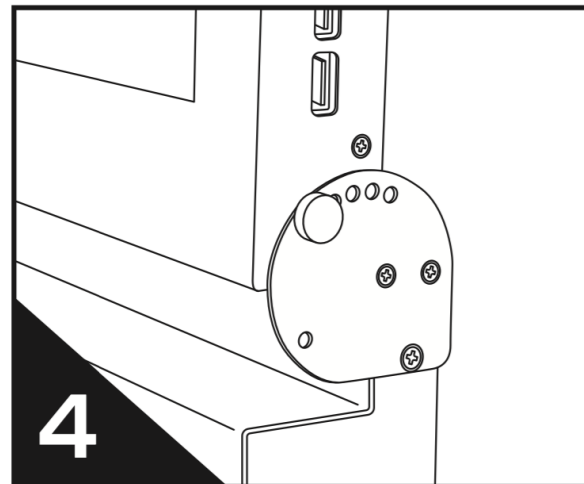
Finish.

How to Turn On / Turn Off the System?

1.Turn On

Well connect the power cord and press the power switch from the back.
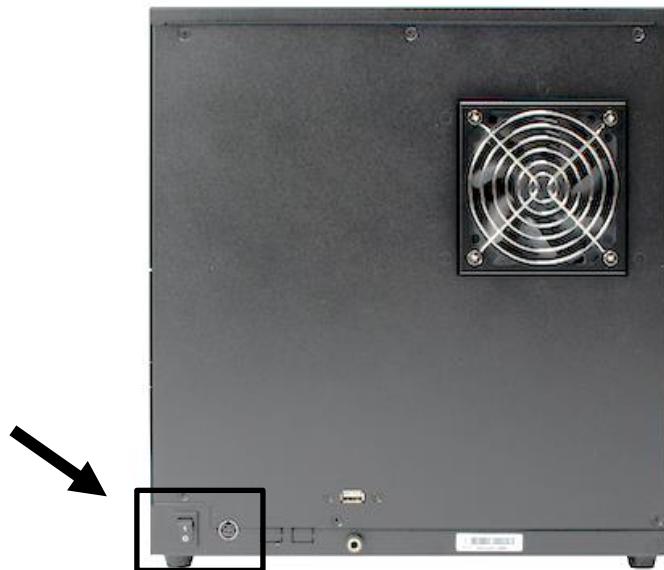
After the completion of the booting process, the display will show as below.

> **Note**：It may take about 30-40 seconds to startup.

2. Turn Off

Press "Shut down" at the bottom left corner of main screen. The system will store the settings and erase records, then turn off. While the screen shows "The shutdown process has been completed. Please turn off the power," please turn off the power switch on the rear of the machine.

```
┌─────────────┐                                      2022-03-28 15:13:57
│ User Info.  │              U-Reach Data Eraser
└─────────────┘
                    ┌──────────────────────────────────┐
                    │          Erase Function          │
                    └──────────────────────────────────┘
                    ┌──────────────────────────────────┐
                    │        Device Information         │
                    └──────────────────────────────────┘
                    ┌──────────────────────────────────┐
                    │         Erase Log Manager         │
                    └──────────────────────────────────┘
                    ┌──────────────────────────────────┐
                    │          Configuration           │
                    └──────────────────────────────────┘
┌─────────────┐                                   ┌─────────────┐
│  Shut down  │                                   │ System Info.│
└─────────────┘                                   └─────────────┘
```
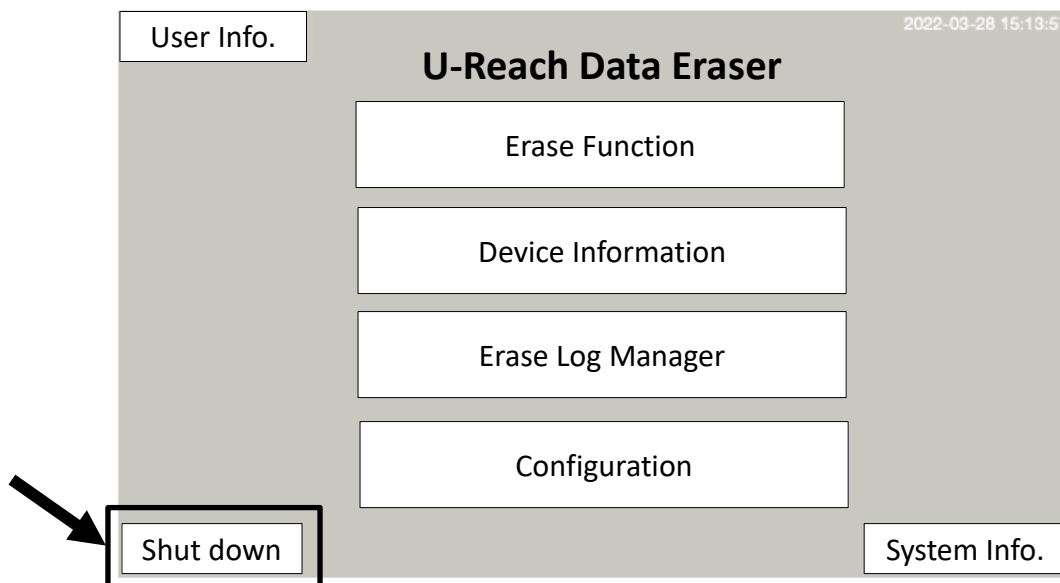
Start shutdown procedure …

Save all parameters …

Close all internal programs…

The shutdown procedure has been completed. Please turn off the power.

Note：Please follow the shutdown procedure carefully. If turn off the physical power button directly, there may be a risk of losing erase settings or records.

3. Function List

Erase device(s) by selected mode and check if the device(s) has been erased.

Displays the status of device(s), e.g., serial number, model name, capacity, SMART Info, and content.

User Info.	**U-Reach Data Eraser** 2022-03-28 15:13:57
	Erase Function
	Device Information
	Erase Log Manager
	Configuration
Shut down	System Info.
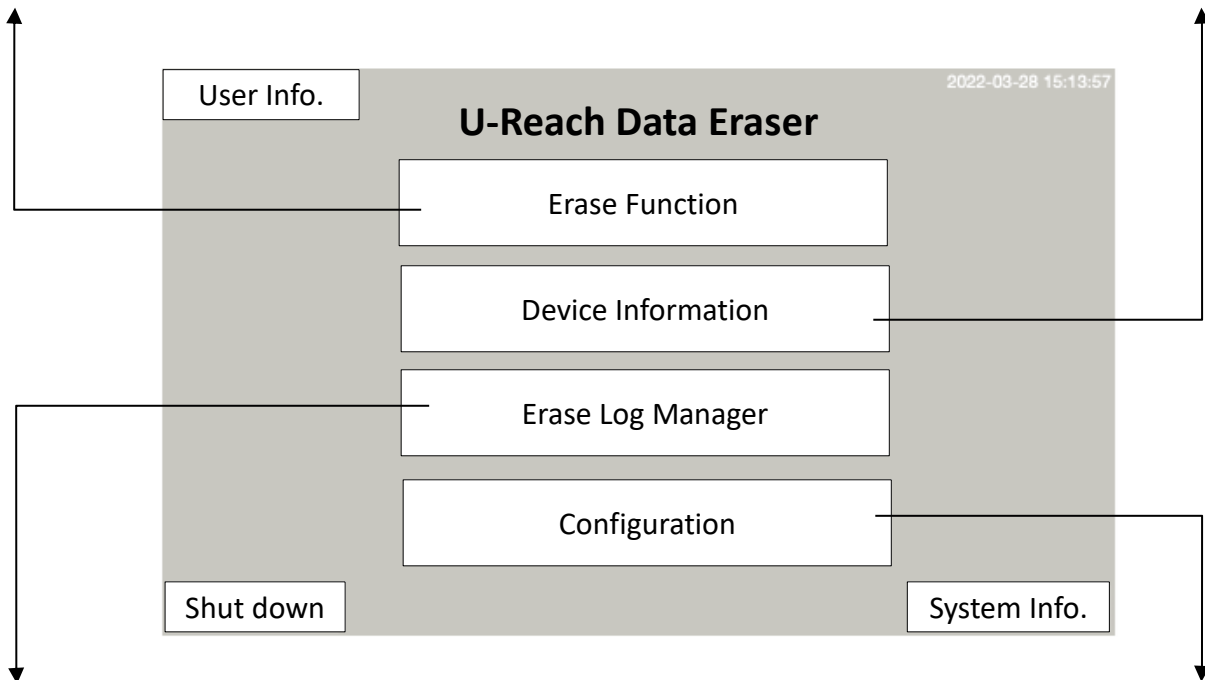
The erasure records can be viewed and output as Erase Certificate through USB pen drive or printer.

Includes all the settings of erase functions and machine.

Main Options	Function List
Main Screen	● **User Info.** ● **System Info.** ● **Shut down**
Erase Function	● **Standard Erase Function** (Maximum Q'ty：8） ● **Command Erase Function** (Maximum Q'ty：8） ● **Verify Erased Device**
Device Information	● **SMART Info.** ● **Device Content** ● **Unlock Device** (Only appears when the device is locked.)

Erase Log Manager	● **Erase Log List** (Select an erasure record on the screen to check detail.)	● **See More** (Check SMART Info. of the device.) ● **Print** (Print out selected erasure certificate.) ● **Save File** (Output erasure certificate to an USB drive.) ● **EXIT**
	● **Print** (Print out all erasure certificates.) ● **Save File** (Output erasure certificates to an USB drive.) ● **Select Range** (Show the erasure list by selected time.) ● **Clear ALL logs** ● **Set Report Type** (Select the type of report. The complete report includes SMART Info of the device.) ● **back to preview menu**	
Configuration	● **Erase Setup**	● **Setup Standard Erase Function** (Maximum Q'ty：8) ● **Setup Command Erase Function** (Maximum Q'ty：8) ● **Erase Parameters**
	● **Advanced Utility**	● **Export Language Pack** ● **Install Language Pack** ● **Reset Printer Driver** ● **Setup Password** ● **Edit User Info.** ● **Active new function menu**
	● **Adjust Time / Date** ● **System Update** ● **Language**	

Specifications subject to change without notice.
The function names of different languages may vary from region to region, and the company reserves the right to name product functions without prior notice.

Administrator Settings

Before starting, it is necessary to complete user information for Erase Certification.

1. **Select a username.**
   Press "User Info." at the upper left corner of main screen and then select the name at drop-down menu, including Client's Company, Service Company, Operational Staff, etc.

User Info.				
				2022-03-28 15:13:57
		U-Reach Data Eraser		
		Erase Function		
		Device Information		
		Erase Log Manager		
		Configuration		
Shut down				System Info.

User Info.

Customer Name	AA Company	▼
Erasure Provider	BB Company	▼
Brand Name		▼
Machine Model		▼
Erasure Operator	Mr. CC	▼

Cancel   OK
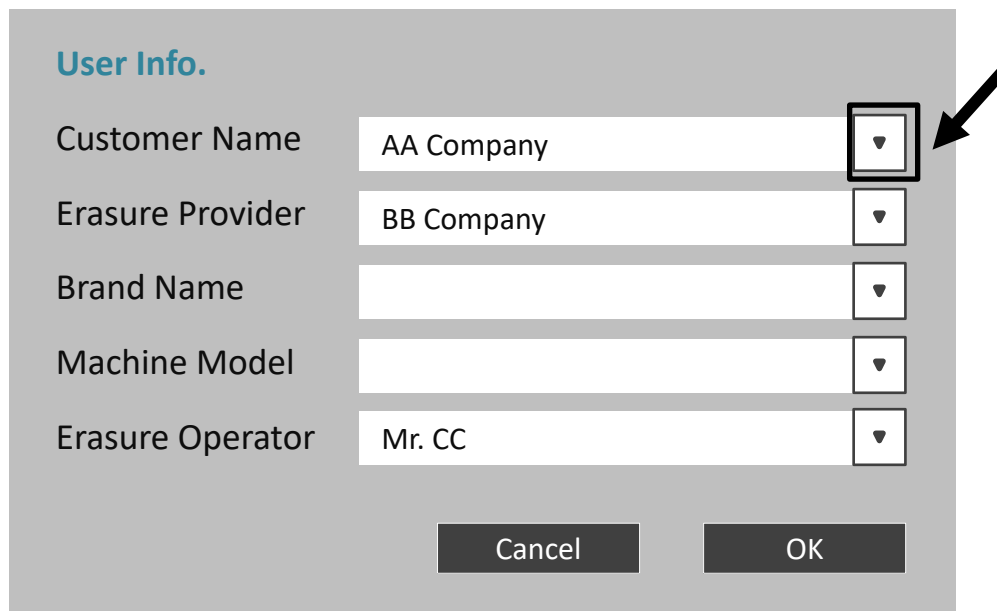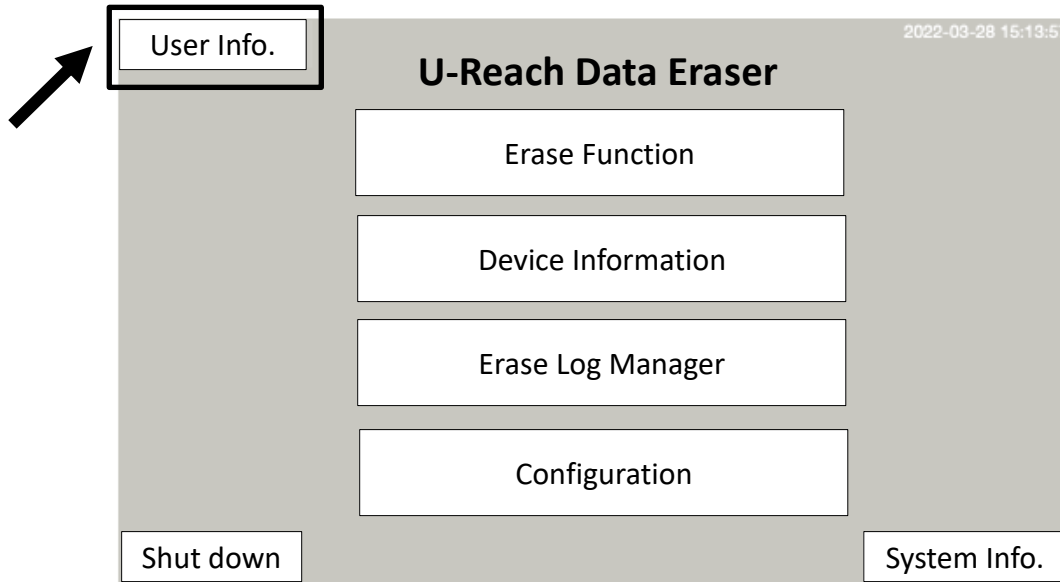
Take above setting as an example, the Erase Certification will show as below:

SSD/HDD Erase Certification

Doc. No.: __00000026__

EUID: 2F40-009E-73CC-8D07 (12096-00158-29644-36103)

Customer Name: __AA Company__

Disk Information

Type	SATA
Model	Samsung SSD 850 PRO 256GB
Version	EXM04B6Q
Serial No.	S37ENX0JB08981J
Capacity	238.47GB(LBA:500118192)
HPA	Doesn't exist.
DCO	Doesn't exist.
Sector Size	512

Erase Information

Erase Method: NIST Purge(SATA)+VER
Skip Bad Sectors (Times)(Error/Max Allow): 0 / 99999999
Skip Bad Sectors (Range): 32 (16KB)
Start Time: 2024-03-07 09:55:02
Elapsed Time: 00:00:52
The First Bad Sector (LBA): None
Skipped Bad Sector Capacity: None
Result: Success
Pass #1 - NIST SP-800-88 Purge (SATA)
Pass #2 - Verify 10% OK (start LBA:A467800h)

Additional Information

1. I hereby state that the data erasure process has been carried out in accordance with the given instructions.
2. Erasure process complies with NIST SP-800-88 data sanitization standard
3. For more information regarding this report, please contact us at info@ureach-inc.com

Erasure Provider: __BB Company__

Erasure Operator: __Mr. CC__

2. Edit the username.

If need to add new names into the list, please set it at function "Configuration -> Advanced Utility -> Edit User Info."

How to Erase Device(s)?

This section explains how to perform erase functions.

Step 1: **Insert the device(s).**
Connect cables with devices.

Step 2: Execute the specified erase function.
Find the erase function at "Erase Function -> Standard Erase Function" or "Erase Function -> Erase Command" and perform it. During erasing, the device information and progress will show on the monitor.

> **Note**：The files and data in the drives cannot be recovered after being erased. Please make sure you have backed up all required files before operation.

Example for executing DoD 5220.22-M:

Signal and Model No.

Bad Sectors been skipped.

Port No.

Erasing Speed

[#02] SATA: Samsung SSD 870 EVO 500GB
Serial No.: S7BWNJ0W412100D   Elapsed Time: 00:01:34   Bad Sector:381 Sectors
Loop: 1/3   Time Left: 01:13:53   Speed: 347.9 MB/S
Verify(10%): 0/1   [| 2%   ]   Capacity: 465.8G
                                                                     Progress: 38.8G

Will verify 10%   It's at the first round erasing,   Capacity been erased.
after erasing.*   will erase 3 rounds in total.

Total Capacity of the Device

*Setup at "Configuration -> Erase Settings -> Setup Parameter -> Verify Percentage" before erasing. The machine will double-check if the hard drive has been completely erased.

> **Note**：For more information, you can get into the next page by touching the port on the screen. It shows some of erase settings and the detail information of device, including SMART Info.

Step 3: Erasing is complete.
The device information and result will show on the monitor. (Pass: shown by green; Fail: shown by red.)

Signal and Model No.

Bad Sectors been skipped.

Port No.

Erasing Speed in Average

[#02] SATA: Samsung SSD 870 EVO 500GB   Bad Sector:381 Sectors
                                                                    Speed: 318.9 MB/S
                    PASS   Capacity: 465.8G
                                                                    Elapsed Time: 01:15:36

Result   Total Capacity of the Device   Operation Time.
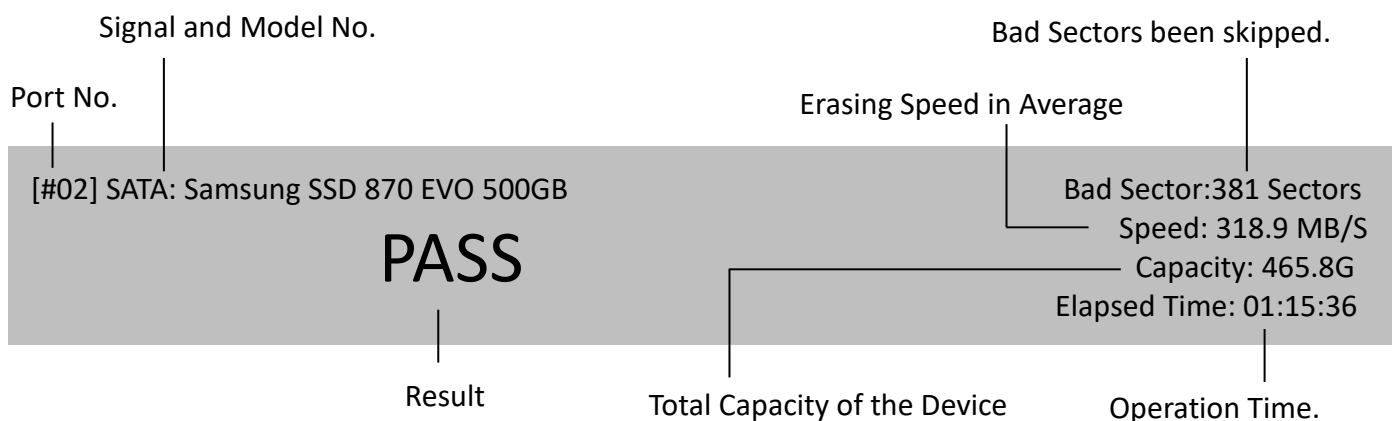
● **Set Erase Function**

1. **Standard Erase Function**

   Users can select their preferred erase function to show on the main menu. Go to "Configuration -> Erase Setup -> Setup Standard Erase Function". Pick out preferred erase functions (maximum 8 functions) by clicking the erase function list.

Setup Standard Erase Function (Maximum Q'ty:8)		
1	?	#01 NIST SP-800-88
2	?	#02 1-Pass Erase(Random)
3	?	#03 DoD 5220.22-M
4	?	#04 DoD 5220.22-M ECE
5	?	#05 DoE M205.1-2
	?	#06 China BMB21-2019
6	?	#07 Canadian OPS-II
7	?	#08 Canadian CSEC ITSG-06
8	?	#09 German VSITR

⋮

———— Press "?" can show the description of the erase function.

Functions will show by the sequence of selection.

2022-03-28 15:13:57

Standard Erase Function

NIST SP-800-88	DoE M205.1-2
1-Pass Erase(Random)	Canadian OPS-II
DoD 5220.22-M	Canadian CSEC ITSG-06
DoD 5220.22-M ECE	German VSITR

back to previous menu

2. Command Erase Function

Users can select their preferred erase function to show on the main menu. Go to "Configuration -> Erase Setup -> Setup Command Erase Function". Pick out preferred erase functions (maximum 8 functions) by clicking the erase function list.

Setup Command Erase Function (Maximum Q'ty:8)		
1	?	#01 NIST SP-800-88 Purge (SATA)
2	?	#02 Enhanced Secure Erase (SATA)
3	?	#03 Sanitize Block Erase (SAS)
4	?	#04 Sanitize Overwrite (SAS)
5	?	#05 NIST Purge(SATA)+VER
	?	#06 Enhanced Secure Erase(SATA)+VER
	?	#07 Sanitize Block Erase(SAS)+VER
7	?	#08 Sanitize Overwrite(SAS)+VER
6	?	#09 Low Level Format (SAS)

⋮

——— Press "?" can show the description of the erase function.

Functions will show by the sequence of selection.

2022-03-28 15:13:57

Command Erase Function

NIST SP-800-88 Purge (SATA)	NIST Purge (SATA)+VER
Enhanced Secure Erase (SATA)	Low Level Format (SAS)
Sanitize Block Erase (SAS)	Sanitize Overwrite (SAS)+VER
Sanitize Overwrite (SAS)	

back to previous menu

Note：Only supported device is capable to run Command Erase Function.

Caution：Interrupt Command Erase could cause the device(s) been locked. Please refer to "How to Check Device Information" section to unlock device(s).

- **Set Erase Parameter**

Go to "Configuration -> Erase Setup -> Erase Parameters" to check the settings before erase.

Verify Percentage (%)	Sets the percentage of verify from 10 to 100%.
Skip Bad Sectors (Times)	Skip bad sectors during Erase. Bad sectors can be set as unlimited or at a value from 0 to 99,999,999.
Skip Bad Sectors (Range)	Set the skip unit when an error occurs, you can set Kbyte/Mbyte/Sectors with value from 0 to 99999999. The default setting is 32 Sectors.
Erase Pattern	Sets random character written per byte or random character written in a set of big area.
Clear HPA at ERASE	Sets to clear HPA setting during erase.
Timeout (sec)	Sets the amount of time the data eraser should wait for the HDD device(s) to respond. Timeout time can be set a value from 1 to 99999999 seconds. The default setting is 30 seconds.
Retry (Times)	Sets how many times the data eraser should try if there is no response from the device(s). Timeout retry can be set a value from 0 to 99999999 times. The default setting is 0 time.
Minimum Erase Speed (MB/s)	Allows user to disable or set minimum threshold speed and the tolerance time when device does not reach the minimum speed during erase. The default setting is 0.
LED Light Mode	Sets the color of the LED light that is displayed if there are bad blocks detected after erasure. The default color is red and green, but it can be further configured to change to green.
Restore Defaults	Restores all settings back to manufacturer defaults.

- **Set Machine Time**

The user can set the time display on the system, and it will show in the upper right corner of the screen. Go to "Configuration -> Adjust Time/Date" to set the time of machine.

> **Caution**：All the erase jobs will be record according to machine time.

How to Generate an Erase Certificate?

The erasure record can be reviewed at function "Erase Log Manager" or output as an Erase Certificate.

Erase Log Manager

No.	Test Time	Elapsed	Erase Method	Model Name
001	2024-02-02 15:46:54	00:00:06	NIST SP-800-88 Purge	Samsung SSD 870EVO 500GB
002	2024-02-05 15:07:54	Abort	NIST SP-800-88	Samsung SSD 870EVO 500GB
003	2024-02-19 17:38:44	00:00:03	NIST SP-800-88 Purge	ADATA SP900
004	2024-03-07 09:54:14	00:00:06	NIST SP-800-88 Purge	ADATA SP900

Print	Save File	Select Range
Clear All Logs	Set Report Type	back to previous menu

● **Select Range:**

Select the time range of erasure operation, the erasure records will list on the screen.

Select Range

Start Date:

| 2024.2.1 | V |

End Date:

| 2024.3.10 | V |

| Cancel | OK |

- **Set Report Type:**

There are two kinds of Erase Certificate.

1. Complete Type

Includes SMART Info. and System Information.

SSD/HDD Erase Certification

Doc. No.: __00000025__

EUID: FD1E-931C-10F9-C088 (64798-37660-04345-49288)

Customer Name: _A_

Disk Information

| Type |
| Model |
| Version |
| Serial No. |
| Capacity |
| HPA |
| DCO |
| Sector Size |

Erase Information

Erase Method:
Skip Bad Secto
Skip Bad Secto
Start Time: 20
Elapsed Time:
The First Bad
Skipped Bad Se
Result: Succes
Pass #1 - NIST SP

Additional Inform

1. I hereby st
with the given
2. Erasure pro
3. For more i

Erasure Provider:

Erasure Operator:

Print at: 2024-03-0

Smart Information

ID	Description	Normalized	Worst	Threshold	Raw Value
05	Reallocated Sector Count	100	100	10	0
09	Power-On Hours Count	99	99	0	1615
0C	Drive Power Cycle Count	95	95	0	4324
B1	Wear Leveling Count(ID:177)	94	94	0	335
B3	Used Reserved Block Count (total)	100	100	10	0
B5	Program Fail Count (total)	100	100	10	0
B6	Erase Fail Count (total)	100	100	10	0
B7	Runtime Bad Block (total)	100	99	10	0
BB	Uncorrectable Error Count	100	100	0	0
BE	Airflow Temperature degree C	79	48	0	21
C3	Program Failure Block Count	200	200	0	0
C7	Total Count of Write Sectors	99	99	0	812
EB	Good Block Count, System Block Count, Good Block Rate	99	99	0	1655
F1	Total LBA Writes	99	99	0	161897569390

The system performs sanitization.

Core Software: U-Reach Data Eraser
Machine Model: GT8616
Machine ID: 07168.33909.12568.21608
Machine Version: 2.01.19
Build Date: 2023-12-21
Core Module: HD4844SAS 2.54.2
Core Version: 4659-2023110801

Print at: 2024-03-07 09:57:46

2. Brief Type

Ignores SMART Info and System Information.

<div align="center">

SSD/HDD Erase Certification

</div>

Doc. No.: 00000025

EUID: FD1E-931C-10F9-C088 (64798-37660-04345-49288)

Customer Name: AA Company

Disk Information

Type	SATA
Model	Samsung SSD 850 PRO 256GB
Version	EXM04B6Q
Serial No.	S37ENX0JB08981J
Capacity	238.47GB(LBA:500118192)
HPA	Doesn't exist.
DCO	Doesn't exist.
Sector Size	512

Erase Information

Erase Method: NIST SP-800-88 Purge (SATA)
Skip Bad Sectors (Times)(Error/Max Allow): 0 / 99999999
Skip Bad Sectors (Range): 32 (16KB)
Start Time: 2024-03-07 09:54:14
Elapsed Time: 00:00:06
The First Bad Sector (LBA): None
Skipped Bad Sector Capacity: None
Result: Success
Pass #1 - NIST SP-800-88 Purge (SATA)

Additional Information

1. I hereby state that the data erasure process has been carried out in accordance with the given instructions.
2. Erasure process complies with NIST SP-800-88 data sanitization standard.
3. For more information regarding this report, please contact your erasure supplier.

Erasure Provider: BB Company

Erasure Operator: Mr. CC

Print at: 2024-03-07 14:14:17

- **Generate a batch of erasure certificates:**

Press "Print" to output the certificate via printer or press "Save File" to store the certificates on an USB pen drive.

Erase Log Manager

No.	Test Time	Elapsed	Erase Method	Model Name
001	2024-02-02 15:46:54	00:00:06	NIST SP-800-88 Purge	Samsung SSD 870EVO 500GB
002	2024-02-05 15:07:54	Abort	NIST SP-800-88	Samsung SSD 870EVO 500GB
003	2024-02-19 17:38:44	00:00:03	NIST SP-800-88 Purge	ADATA SP900
004	2024-03-07 09:54:14	00:00:06	NIST SP-800-88 Purge	ADATA SP900

Print	Save File	Select Range
Clear All Logs	Set Report Type	back to previous menu

Note：The format of the USB flash drive must be FAT16 or FAT32.

- **Generate a single erasure certificate:**

Select one record from the list. Then, press "Print" to output the certificate via printer or press "Save File" to store the certificates on an USB pen drive.

Port	02
Start Time	2024-03-07 09:54:14
Elapsed Time	00:00:06
Erase Method	NIST SP-800-88 Purge (SATA)
Result	Pass
Model	Samsung SSD 850 PRO 256GB
Version	EXM05B6Q
Serial No.	S37ENX0 JB08981J
Capacity	238GB
Capacity (LBA)	500118191
SMART Info.	See Mode

Print	Save File	Exit

How to Connect a Printer?

Step1: Link the Printer.
Connect the printer through an USB cable. The USB port is on the right side of the Data Eraser.

Step2: Check Printer's Information.
Wait for a few seconds for connection. Once the linkage is done, the printer's model no. will show at "System Info."

Example:

U-Reach Data Eraser:

Version: 2.01.19 (64-bit)

Build Date: 2023-12-21

Core Module: HD4844SAS 2.54.2

Core Version: 4659-2023110801

Printer: DeskJet-1200-series

OK
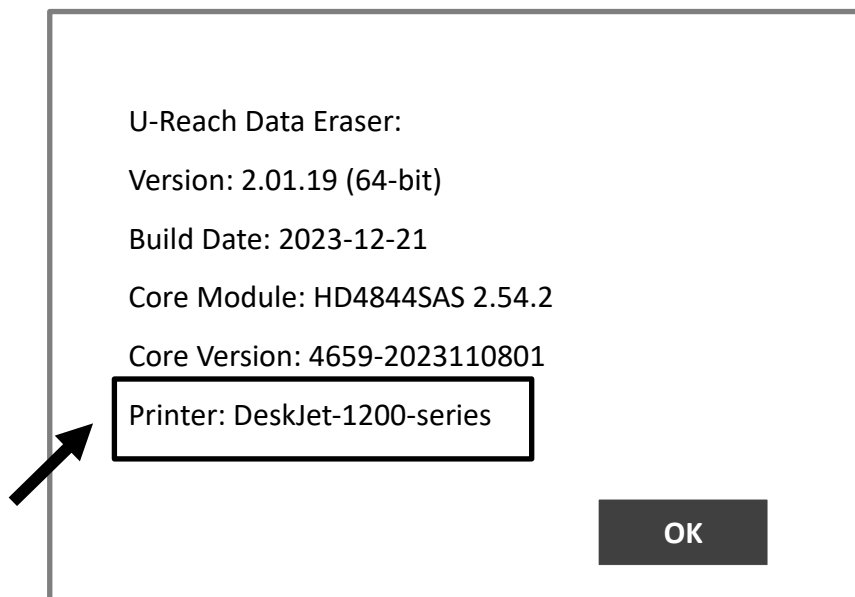
Caution：If the printer's model no. is not correct, please execute "Configuration -> Advanced Setup -> Reset Printer Driver" to reset the connection.

How to do Verify?

To confirm the sanitization has applied to device(s), users can try below actions.

1. **Verify the device(s).**

   Go to "Erase Function -> Verify Erased Device". The machine will check if each device has fully run sanitization.

Signal and Model No.

Bad Sectors been skipped.

Port No.

Verify Speed

[#02] SATA: Samsung SSD 850 PRO 256GB   Bad Sector:0 Sectors
Serial No.: S37ENX0JB08981J   Elapsed Time: 00:01:14   Speed: 539.5 MB/S
Loop: 0/0   Time Left: 00:07:28   Capacity: 238.5G
Verify(100%): 1/1   13%   Progress: 34.3G

Processing one round verify, will verify total capacity.

It's not doing erasing.

Capacity been verified.

Total Capacity of the Device

2. **Check out the device content.**

   Go to "Device Information-> Device Content". It will show the content of selected device.

```
[02]: Samsung SSD 850 PRO 256GB (238.5G)                    Exit

LBA:            0  / 500118192           |◀   ◀   ▶   ▶|

 LBA: 0 (0h)
 0000:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0010:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0020:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0030:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0040:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0050:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0060:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0070:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0080:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0090:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 00A0:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 00B0:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 00C0:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 00D0:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 00E0:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 00F0:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0100:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0110:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
 0120:   00 00 00 00 00 00 00 00    00 00 00 00 00 00 00 00    . . . . . . . . . . . . . . . .
                                   ⋮
```
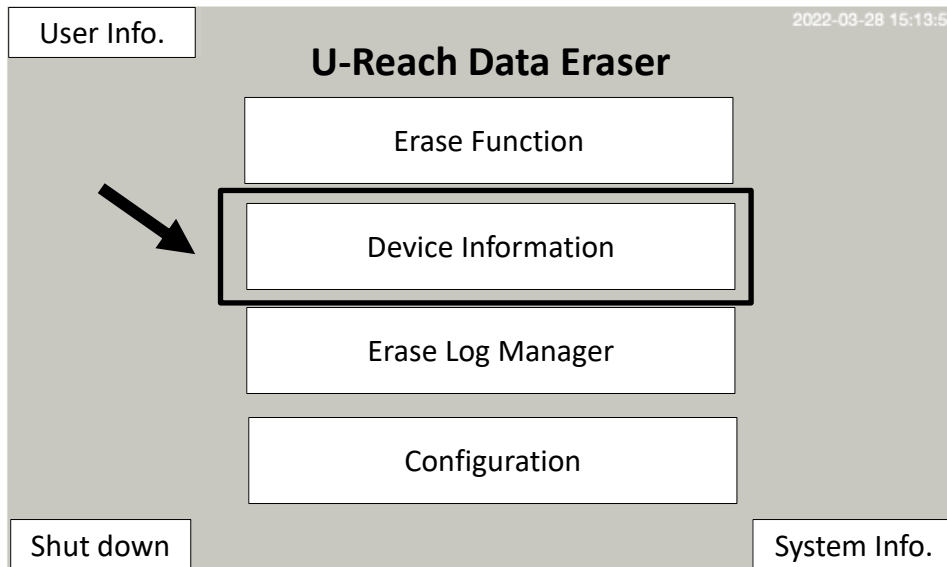
How to Check Device Information?

Step 1: Insert the device(s).
Connect cables with devices.

Step 2: Execute "Device Information."

User Info.	2022-03-28 15:13:57

U-Reach Data Eraser

Erase Function

Device Information

Erase Log Manager

Configuration

Shut down	System Info.

> **Note**：You also can use "Fast Key" on each port to start over the detection once the device is insert to a port.

Examples:

■ **SATA Device**

[#02] SATA SSD
Model: Samsung SSD 870 PRO 256GB   Capacity: 238.5G
Version: EXM04B6Q   Max. LBA: 1DCF32B0h
Serial No.: S7BWNJ0W412100D   bytes/sector: 512

SMART Info.

Device Content

■ **SAS Device**

[#06] SAS HDD
Model: HGST HUH721212AL5200   Capacity: 11176.0G
Version: A3D0   Max. LBA: 575000000h
Serial No.: 8DG3RH2D   bytes/sector: 512

Device Content

> **Note**：SAS Device doesn't have SMART Info. so there is no such button.

■ **Locked SATA Device**

Only shows when the device is locked.

[#02] SATA SSD (Locked)
Model: Samsung SSD 870 PRO 256GB   Capacity: 238.5G
Version: EXM04B6Q   Max. LBA: 1DCF32B0h
Serial No.: S7BWNJ0W412100D   bytes/sector: 512

| SMART Info. |
| Device Content |
| Unlock Device |

Only shows when the device is locked.

> **Note**：If the command erase function is interrupted, the SATA device will be locked.
> Execute the same command erase again or press "Unlock Device" button can release it. The system can only unlock the device which is caused by uncompleted command erase function.

■ **Locked SAS Device**

Shows the command erase progress.

[#06] SAS HDD (Sanitizing 2.98%)
Model: WD WD2001FYYG-01SL3   Capacity: Unknown
Version: VR08   Max. LBA:
Serial No.: WMC160D15L61   bytes/sector:

> **Note**：If the command erase function is interrupted, the SAS device will be locked and will need to keep power on until completes the command erase process.

Firmware Update

Step 1: Prepare a USB drive for update.
Connect a USB drive to PC. Download the latest firmware provided from our technical support, unzip the BIOS file, and save it to the root directory in the USB drive.

> **Note**：The format of the USB flash drive must be FAT16 or FAT32.

Step 2: Proceed to update firmware.
Connect USB drive to the USB port on the right side of the Data Eraser. Execute "Configuration -> System Update" to start the firmware update process.

Caution: The firmware update process may take longer than 5 minutes. Please do not disrupt power or process during BIOS update. If interrupted, the system will become useless. We will not be held responsible for any damages.

Other Settings

1. **Setup Password**

   This function conducts authority settings of below functionalities: Erase Log Manager, Configuration, Advanced Setup and Setup Password. Go to "Configuration -> Advanced Setup" find "Setup Password."

   Setup Password

Function Name	Active	Password
Erase Log Manager	No	
Configuration	No	
Advanced Setup	No	
Setup Password	No	

Cancel	OK

Caution: The password should be stored safely by user. Once the password is lost, the machine must send back to manufacturer. And we will not be held responsible for related cost or record lost.

2. **Export/Install Language Pack**

   This function allows to export and import the strings of each function of the data eraser. Go to "Configuration -> Advanced Setup" find "Export Language Pack" or "Install Language Pack."