CyberData App

User Manual（PC）

Table of Content

1. App Download and Device Binding 4
   1.1 APP Download 4
   1.2 Binding Device 4
2. Registration and Login 5
3. Create a Storage Pool 6
4. Authorization Binding and Device Sharing 7
   4.1 Authorization via App QR Code (Mobile App Authorizes PC Client to Bind Device) 7
   4.2 Share Invitation Code to Authorize (Device Sharing via Mobile or PC Client) 8
5. Personalization Settings 9
   5.1 Change Your Wallpaper 9
6. Account Management 10
   6.1 Security Settings （Configured via Account in ”Settings”） 10
   6.2 Permission Management 11
   6.3 Transfer Administrator Permissions 11
7. Three Types of Storage Space 12
   7.1 Personal Space 12
   7.2 Public Space 12
   7.3 Private Space 13
8. Album Management 13
   8.1 How to Quickly Search for Images (Search by Image)? 13
   8.2 How to Create a Virtual Album? 15
   8.3 Which Image Formats Are Supported? 17
9. Movie / TV Show Management 17
   9.1 How to Set Up a Scraping Directory for Your Media Library? 17
   9.2 How to Mount an External Storage Movie Directory? 19
   9.3 How to Add an Offline Transcoding Task? 21
   9.4 How to Set Up HDMI Output for Video Playback? 22
   9.5 How to Set Up DLNA Wireless Screen Mirroring to Play Videos? 24
   9.6 Supported Video Encoding Formats 26
10. File Management 26
   10.1 Upload Files 26
   10.2 Download Files 27
   10.3 File Backup 28
   10.4 Share the Files 29
   10.5 File Sharing Management via Public Network 31
11. Transfer Protocols 32
   11.1 Access via Samba Protocol 32
   11.2 Access via DLNA 33
   11.3 Access via WebDav 34
   11.4 Access via FTP 36
   11.5 Apple TimeMachine Setup 38

12. Storage Pool Management 41
12.1 Check the Storage Pool Status 41
12.2 Snapshot Management 42
12.3 SSD Cache Acceleration 44
12.4 Add Hot Spare Disk 45
12.5 Replace Hrd Drive (For Capacity Expansion) 46
13. Network Management 47
13.1 Set Static IP Address 47
13.2 Create Link Aggregation 48
13.3 Network Port Settings 49
14. System Setup 50
14.1 Edit Device/Host Name (Requires Administrator Privileges) 50
14.2 Check and Update System (Requires Administrator Privileges) 51
14.3 Device Reset/Data Erasure 52
15. Other Applications 54
15.1 Docker 54
15.2 Offline Download 58

1. App Download and Device Binding

1.1 APP Download

Please visit the ORICO official website https://www.orico.com.cn/downpc to download and install the app.

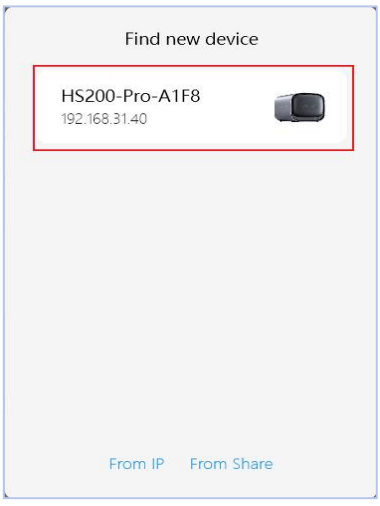
1.2 Binding Device

· Run the CyberData PC client, it will display "You have not bound any devices", click "New".

· The client will scan the local area network (LAN) to discover NAS devices.

· Click on the discovered NAS device, and it will prompt "Device Bound Successfully".

Note: To discover the NAS device, please ensure that the your computer and NAS device are on the same local area network (LAN) .

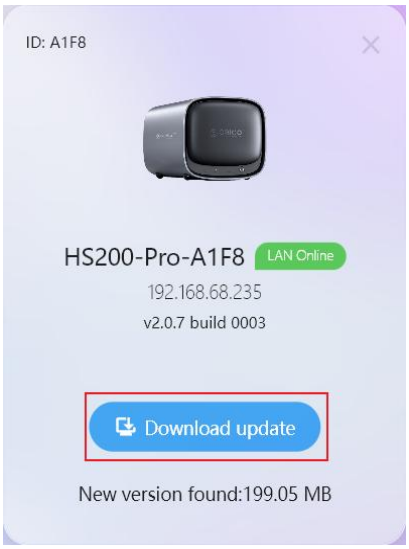


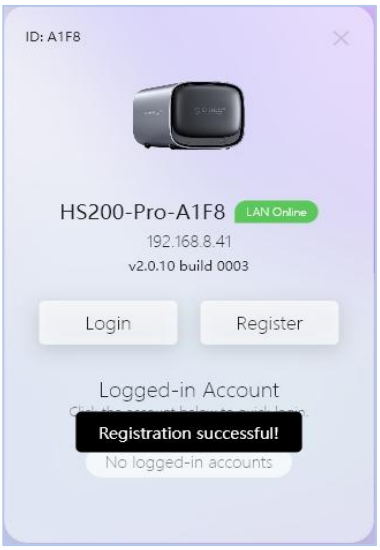
2. Registration and Login

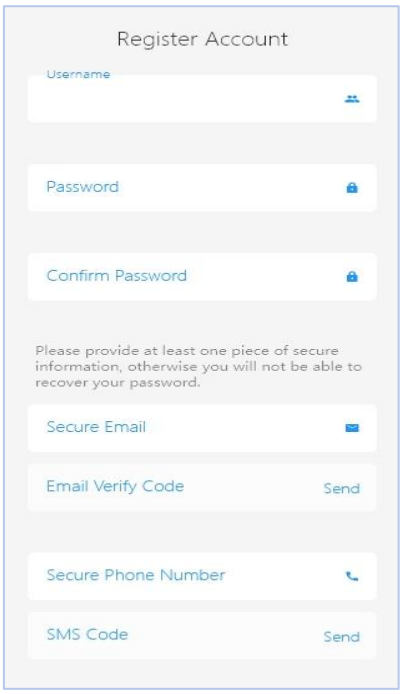
· After device binding is completed, the client will check for system updates. If updates are available, they must be downloaded and installed before proceeding to the next step of device initialization.

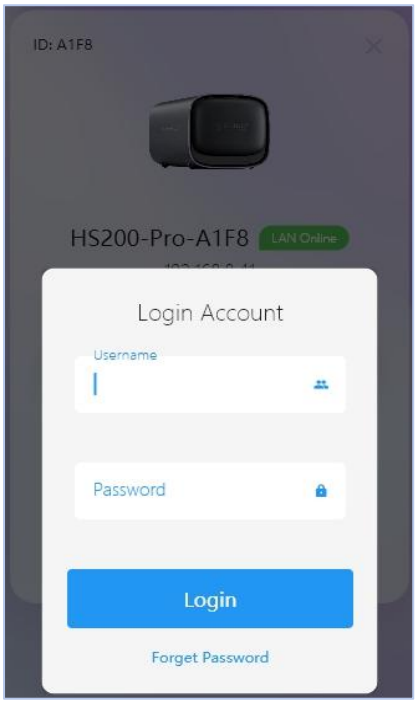
· After the updates is done, proceed to the administrator initialization storage pool settings. Click “Administrator Initialization”, enter the username and password, then click "Register".

· After registration is completed, click "Login".



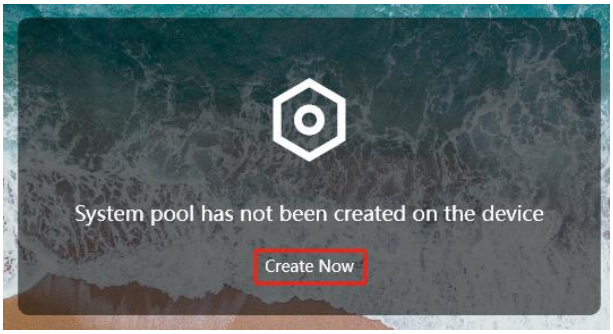


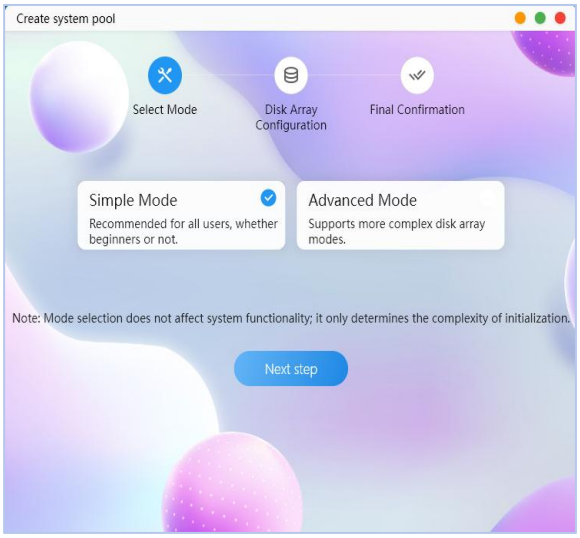


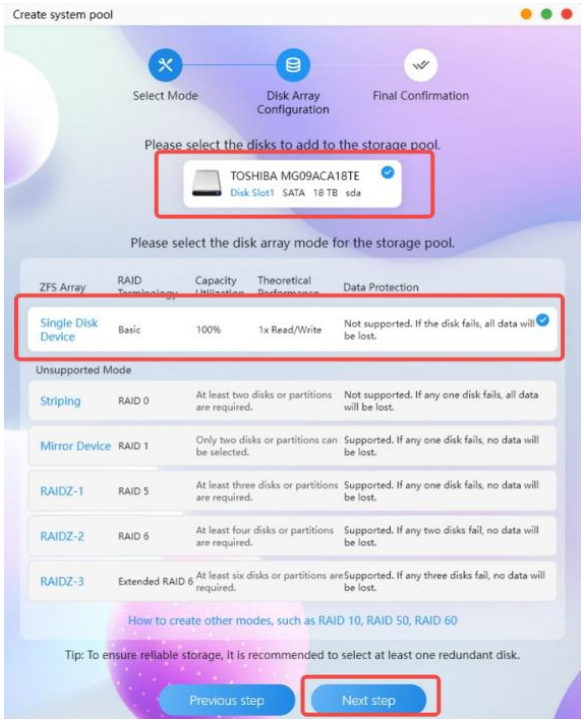


3. Create a Storage Pool

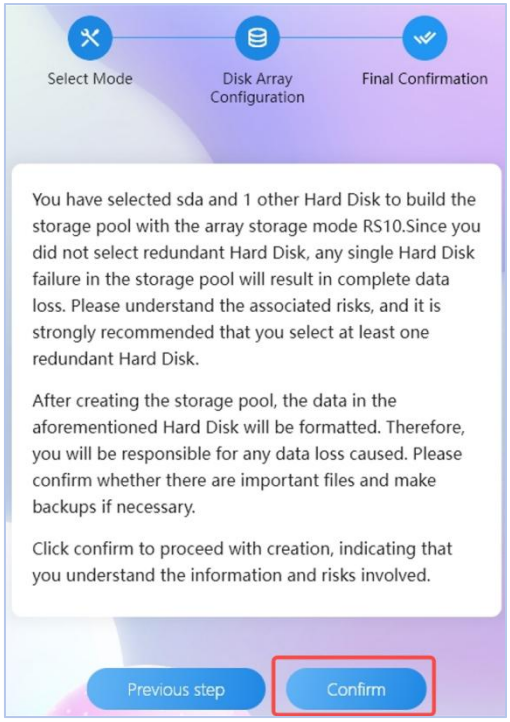
· After logging in, you will be prompted to create a storage pool. Click "Create Now".
· By default, select the simple mode, then click "Next Step".
· Select the hard drives and disk array to join the storage pool, then click "Next Step".







· After confirming the options are correct, click "Confirm".
· Enter the password, then click "Confirm".
· After the storage pool is successfully created, then click "OK".

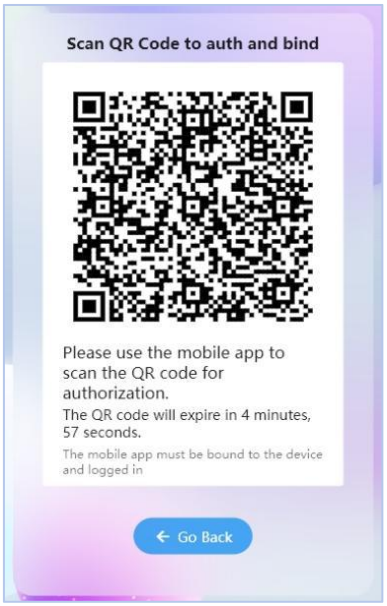


4. Authorization Binding and Device Sharing

(Authorize other terminal hosts to bind devices via app QR code/share device invitation code)

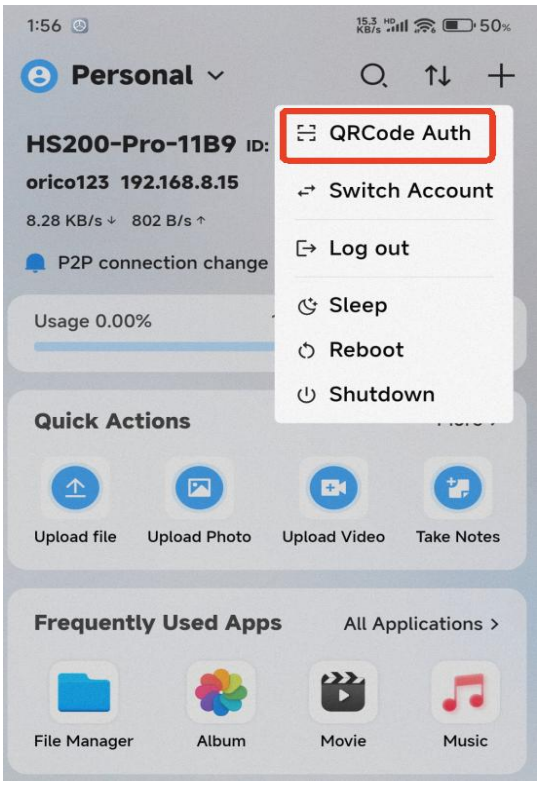
4.1 Authorization via App QR Code (Mobile App Authorizes PC Client to Bind Device)

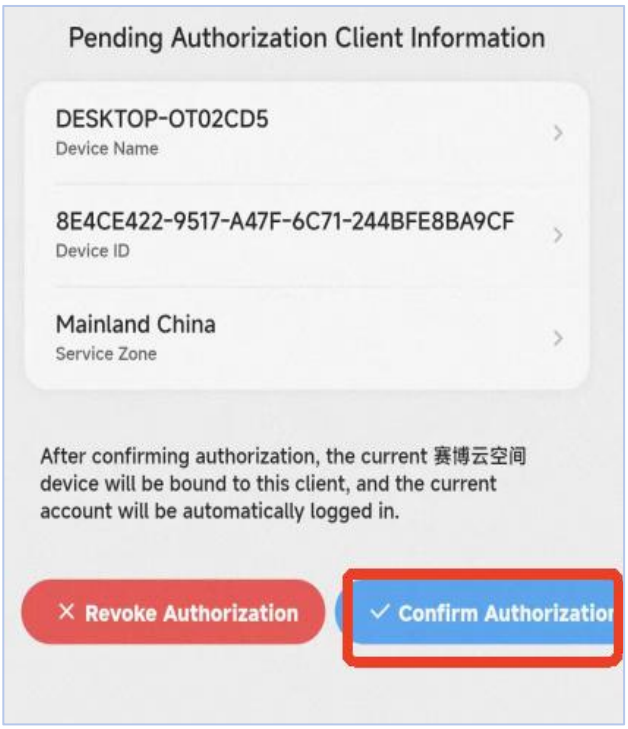
First, install and run the CyberData client on your computer. Click the QR code icon at the bottom to automatically generate an authorization QR code.



· Then, open the mobile client app and go to the homepage. Click the "+" icon in the top right corner, then click "Authorize Device Binding" to scan the QR code.

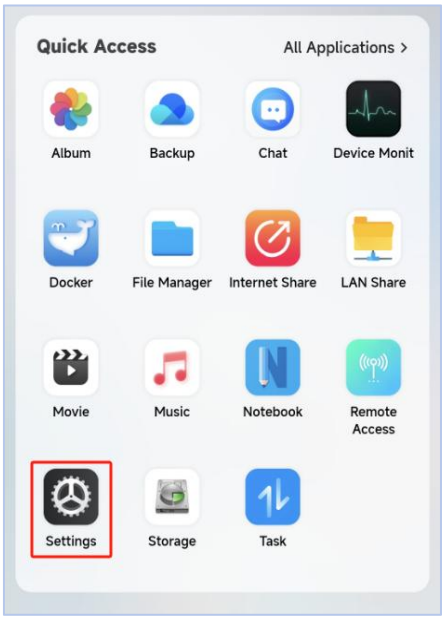
· After scanning successfully, confirm the authorization information, then click "Confirm Authorization" to complete the authorization binding.

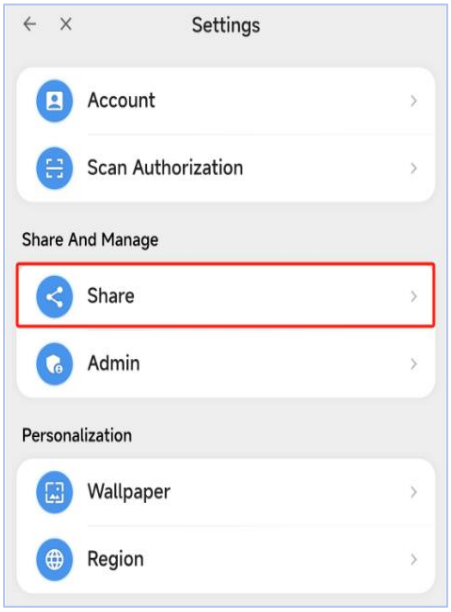




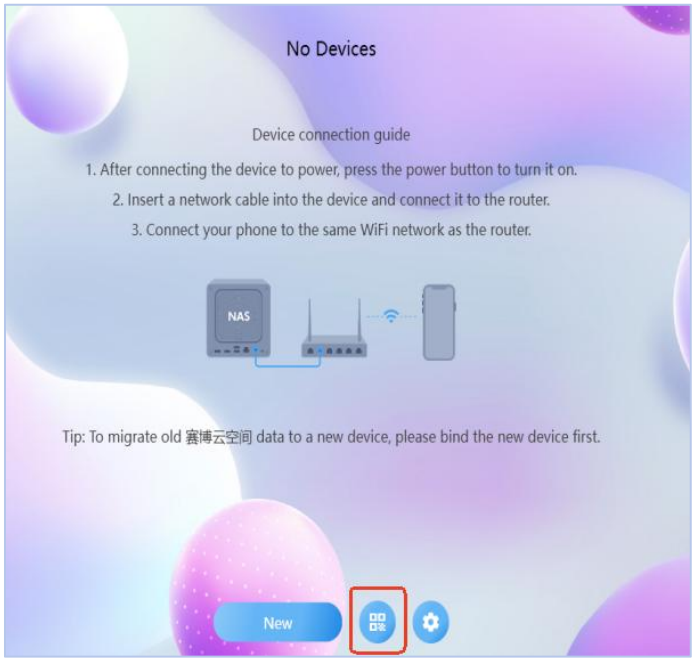
4.2 Share Invitation Code to Authorize (Device Sharing via Mobile or PC Client)

Open the CyberData App homepage, find “Quick Access, enter “Settings”, click "Share" to generate an invitation code and public network import address. Share the invitation code or public network import address with your friends.





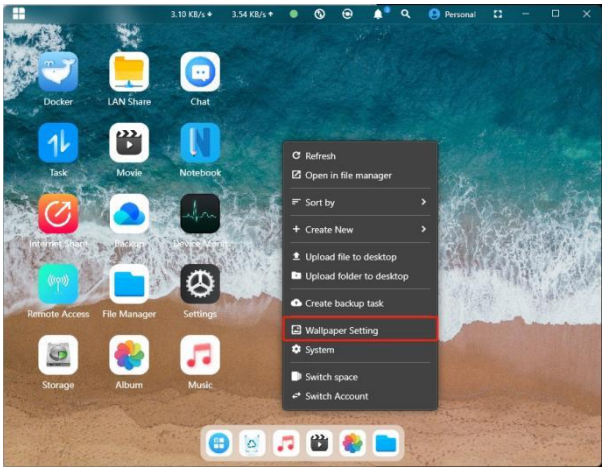
Your friends also need to download and install the CyberData App. Click "Scan Invitation Code", and after scanning, a pop-up will prompt the discovery of the device. Click "Connect" to complete the device binding.



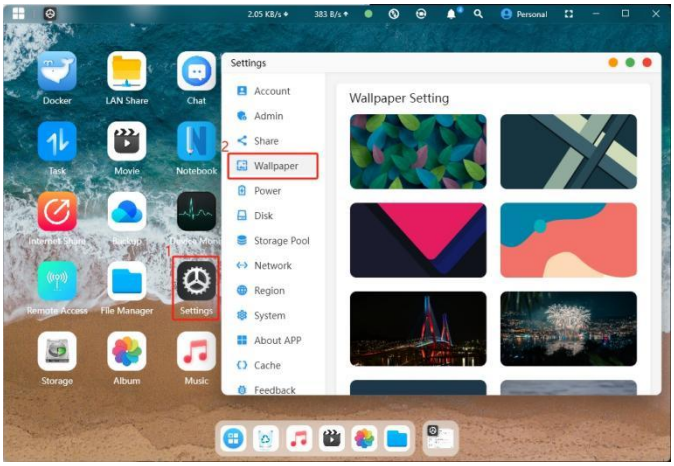
5. Personalization Settings

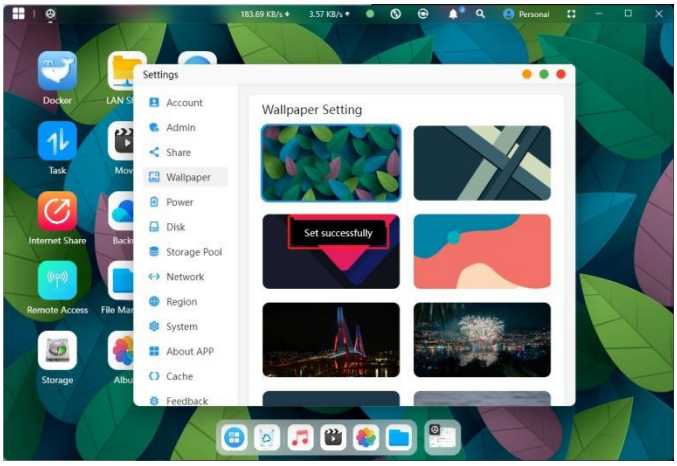
5.1 Change Your Wallpaper

Enter the homepage on CyberData App, right-click / or click“Settings” icon, and select "Wallpaper Settings".



Click on any wallpaper you like to complete the wallpaper change. A "Set Successfully" prompt will appear.





6. Account Management

6.1 Security Settings (Configured via Account in "Settings")

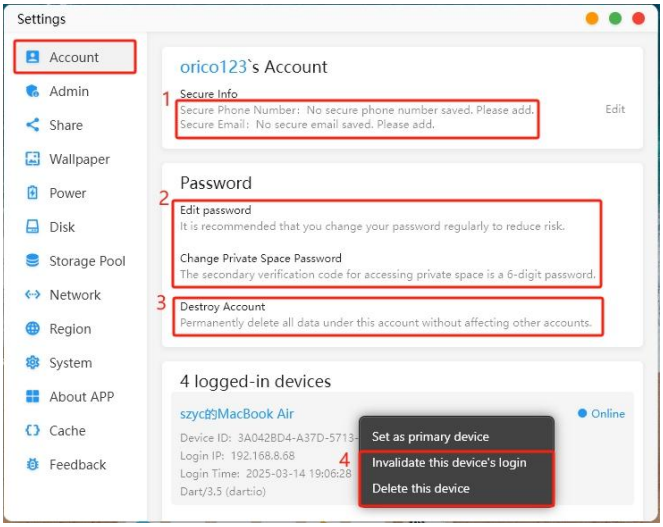
(Configured via Account in System Settings)

· You can add a reserved phone number and email address to your account. If you forget your password, you can reset it using the reserved information.

· You can also regularly change your password to enhance device security.

· If the account is no longer in use, you can deactivate it.

· When the NAS is logged in on multiple devices, you can log out and delete the login information for those devices.



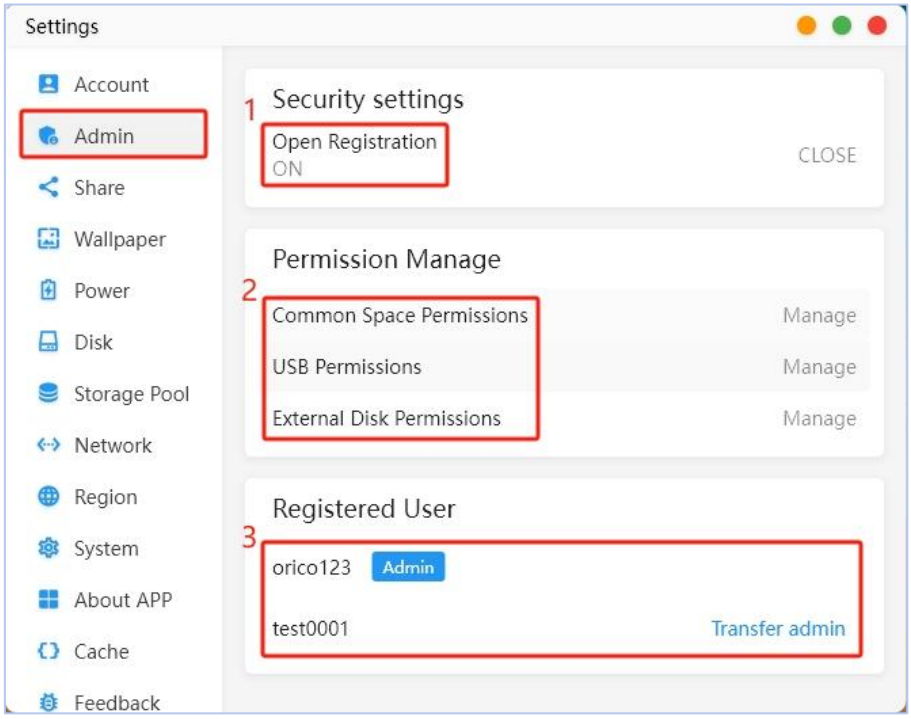
6.2 Permission Management

· By default, the first registered user is the administrator. The administrator can manage the device through " Settings".

· The "Open Registration" option in "Security Settings" is enabled by default. If you need to pause user registration, you can turn it off.

· In "Permission Management", you can restrict access to public space, USB external storage, and external disk permissions for certain users.

· In "Registered Users", you can view the number of registered users on the device and transfer administrator permissions.

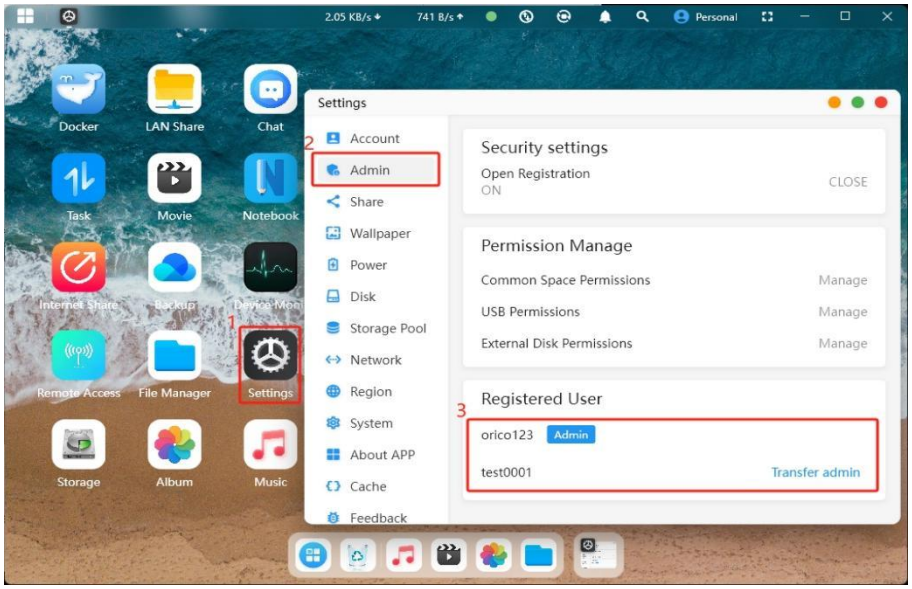


6.3 Transfer Administrator Permissions

· By default, the first registered user is the administrator. The administrator can manage the device through " Settings".

· Click the "Settings" icon to enter the "Settings" interface.

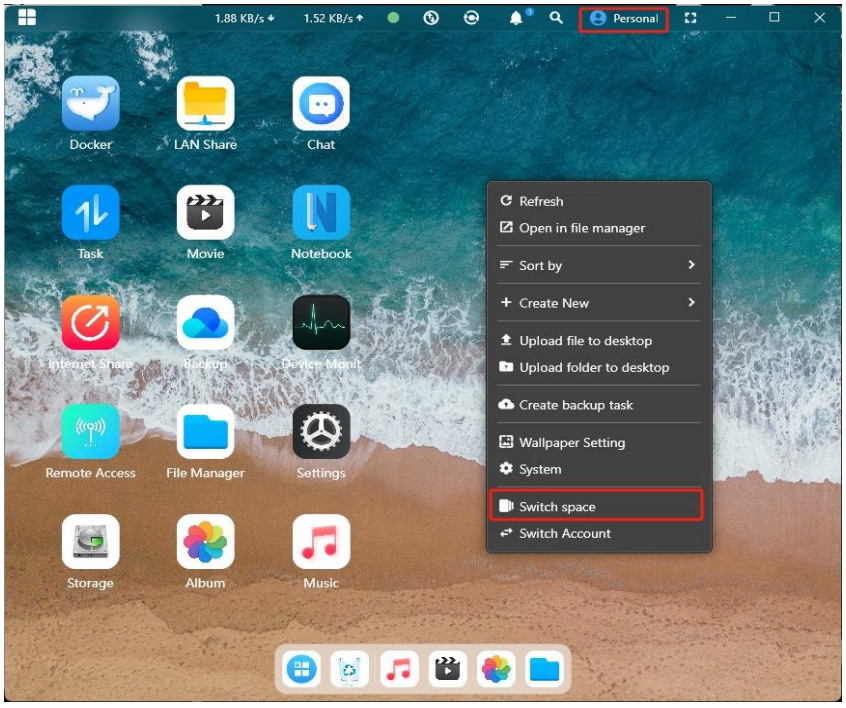
· Click "Administrator Settings" to view the current registered users. Click "Transfer Administrator" next to the user list to complete the permission transfer.



7. Three Types of Storage Space

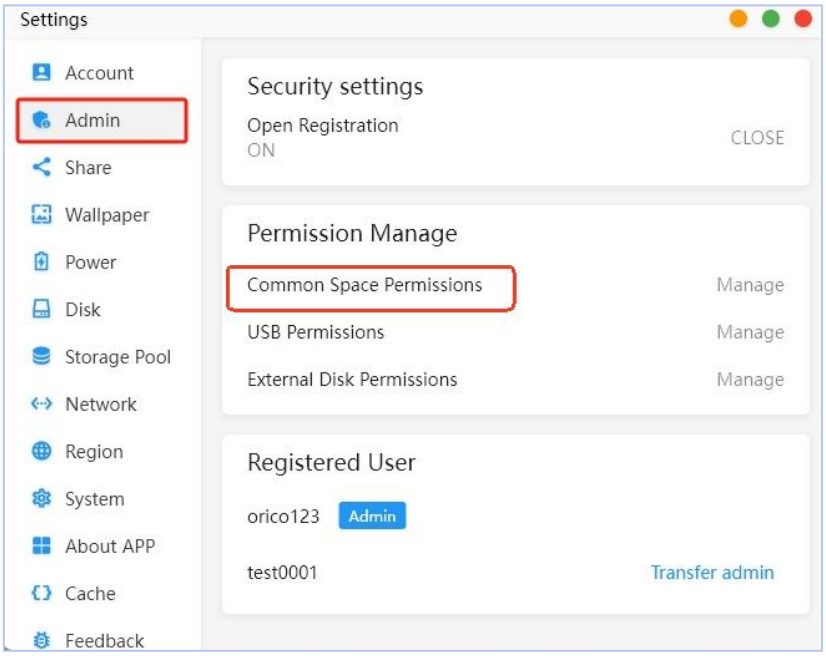
7.1 Personal Space

Open the CyberData app homepage, which defaults to the personal space display. You can right-click on the desktop and select "Switch Space" or click "Personal Space" in the upper right corner to switch.



7.2 Public Space

Files saved in the public space are visible to all users by default. You can control public space permissions through "Administrator Settings".



7.3 Private Space

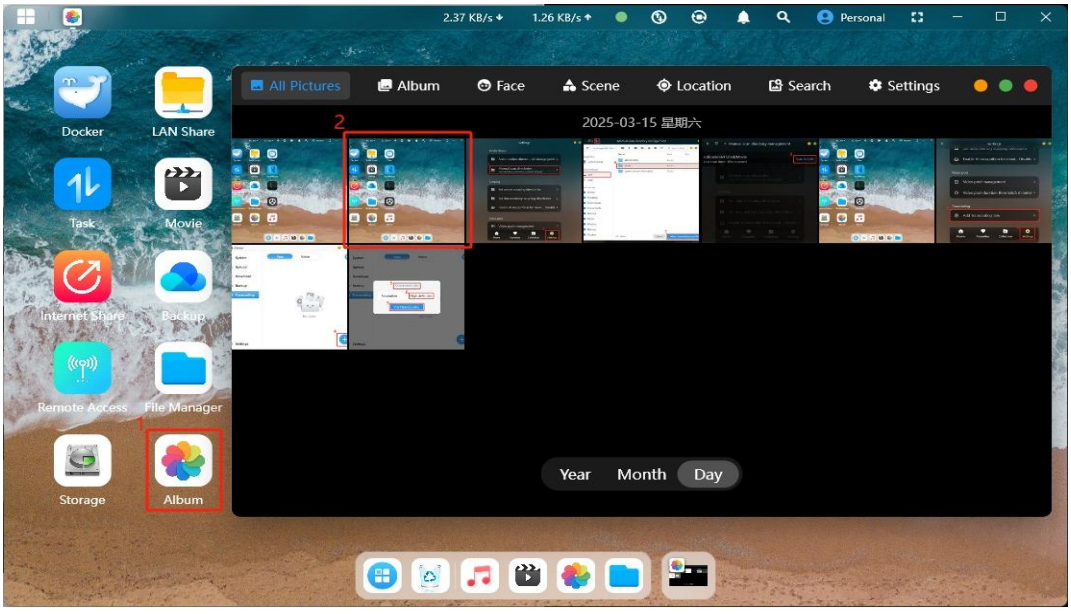
· It's like a personal space requires secondary password verification, so that it ensures double data security. Right click on the desktop and select "switch space"or click "personal space" and choose "private space" in the upper right corner to switch.

· When you use private space for the first time, you need to"set private space password".

8. Album Management

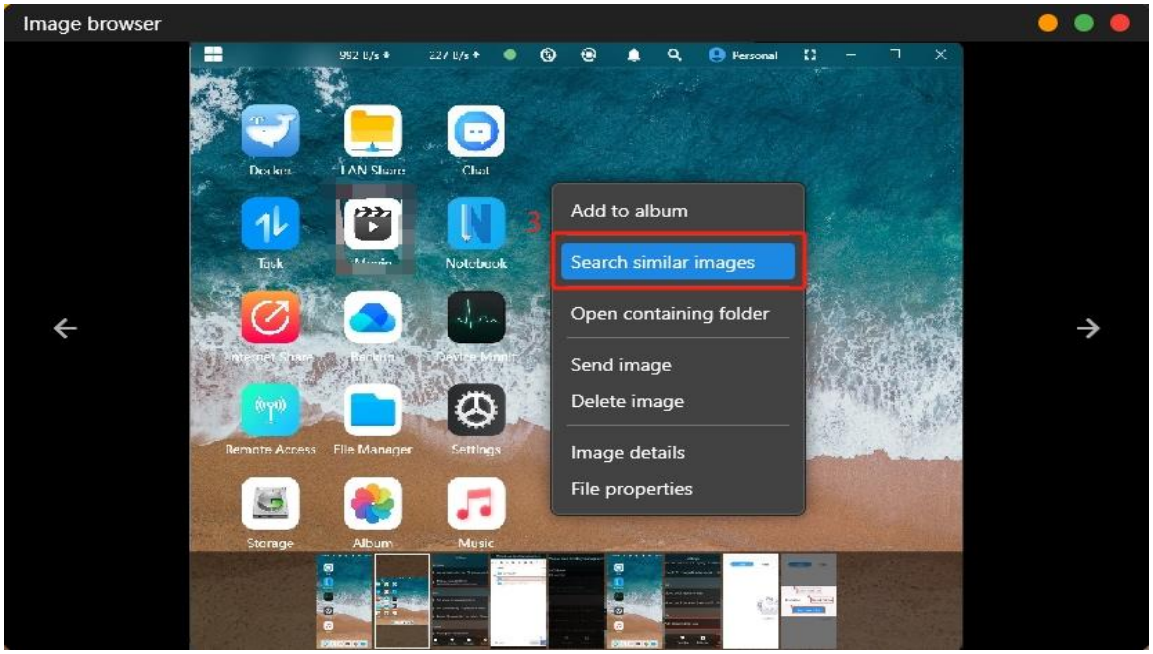
8.1 How to Quickly Search for Images (Search by Image)?

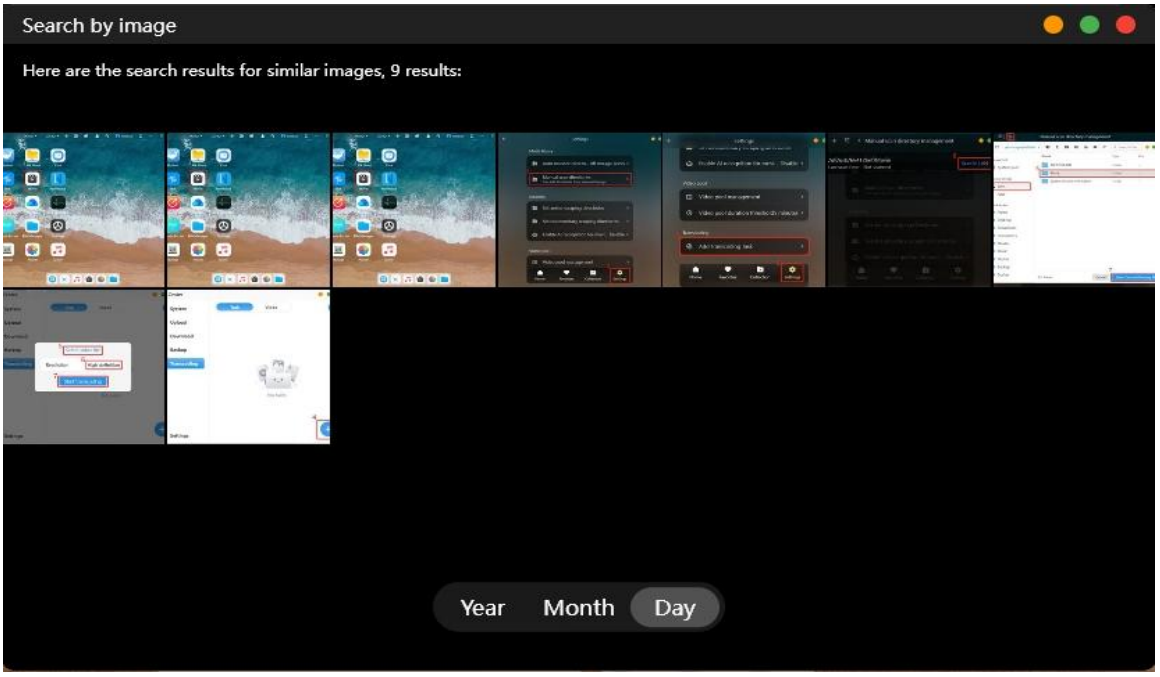
· Click on the "Album" icon on the homepage to enter the Smart Album interface. By default, the system will automatically search for image files saved on the NAS and display them.



· Search for Similar Images

After selecting a photo, right-click and choose "Search for Similar Images" to complete the image-based search.

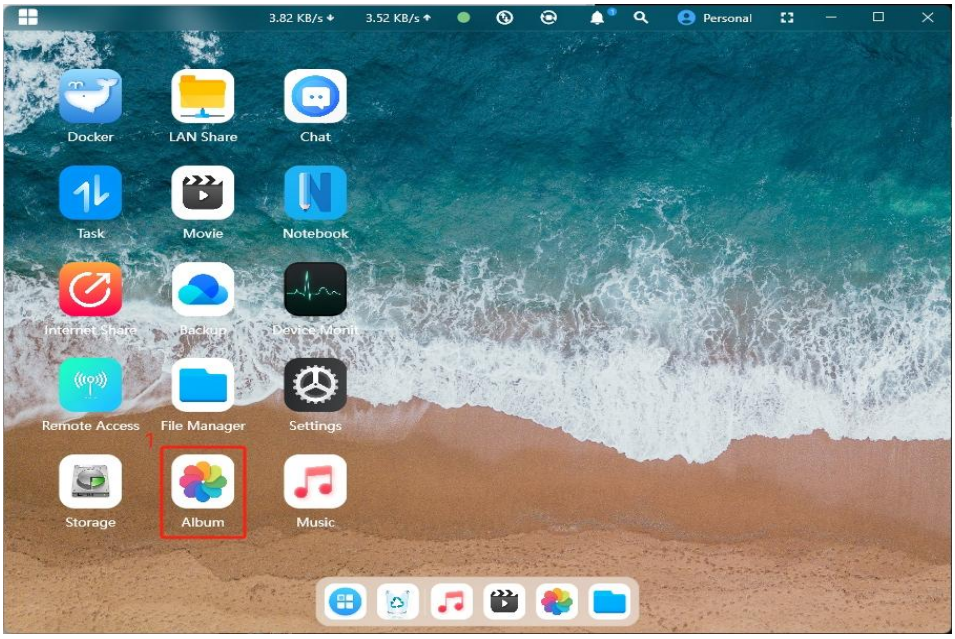




8.2 How to Create a Virtual Album?

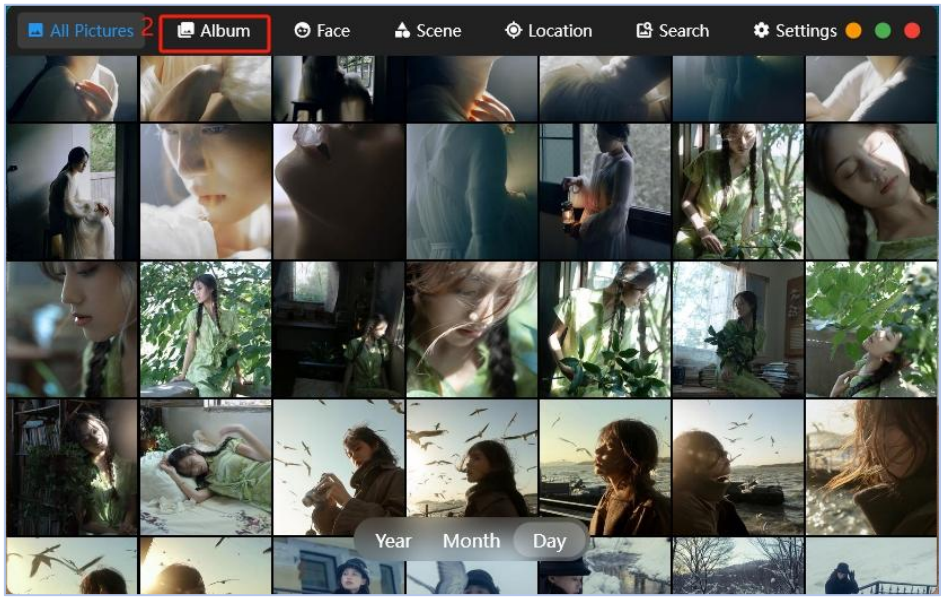
· Access the Smart Album Interface

Click on the "Album" icon on the homepage to enter the Smart Album interface. By default, the system will automatically search for image files saved on the NAS and display them.



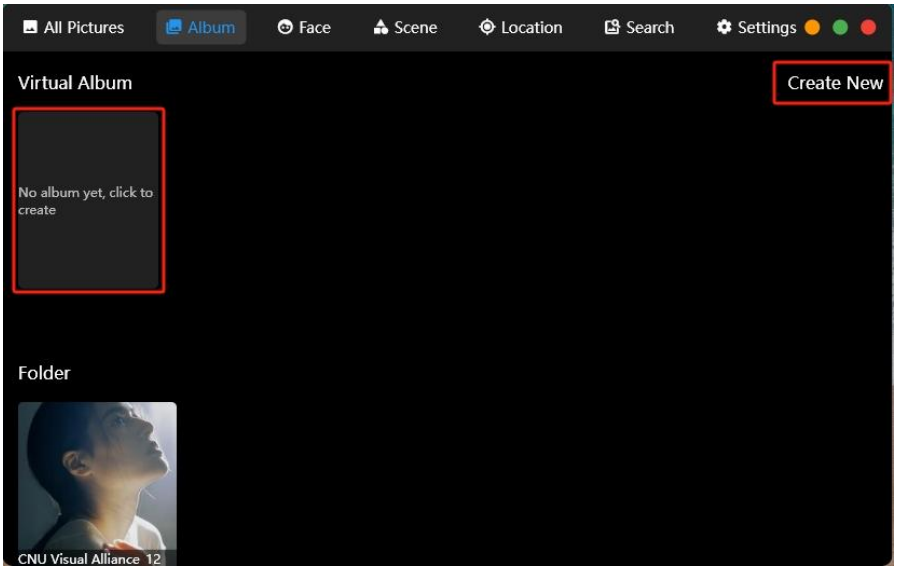
· Access the Album Management Interface

Click on "Albums" to enter the album management interface.



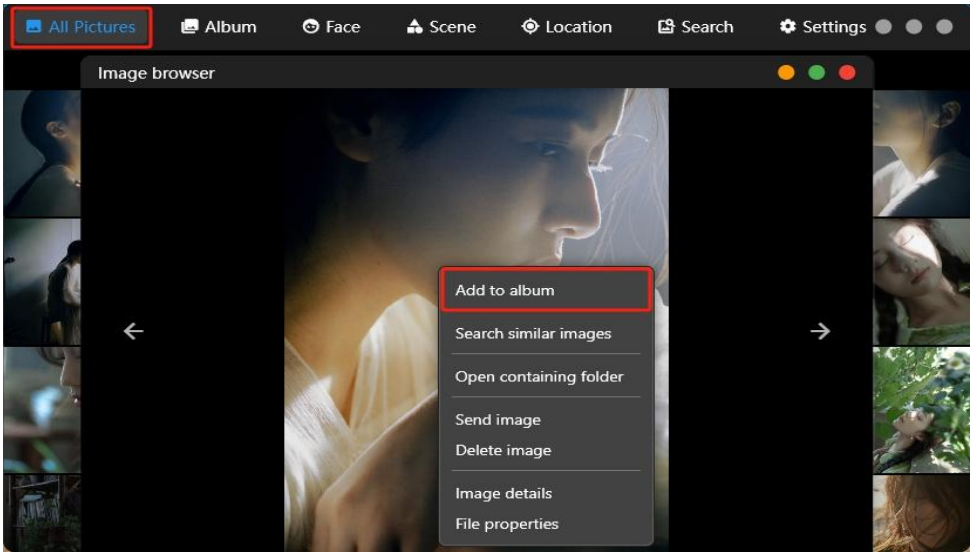
· Create a New Album

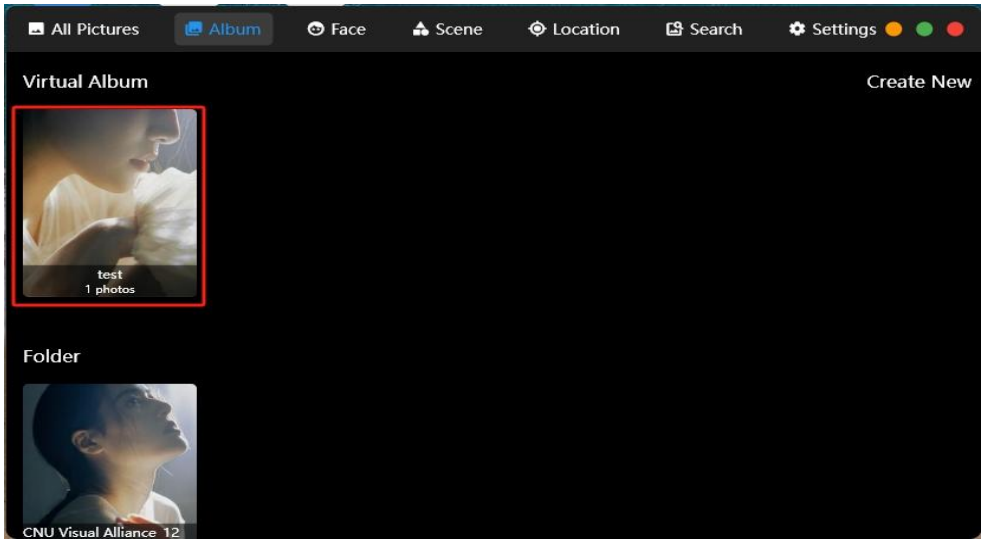
There are two options to create a new virtual album. You can click on "Click to Create" on the left side or "Create New" on the right side to complete the creation of a new album.



· Add Photos

After creating the album, return to the all photos interface. Click on a photo and then right-click to add it to the newly created album. Once the photos are added, go back to the album interface to see that the album now contains the photos.





8.3 Which Image Formats Are Supported?

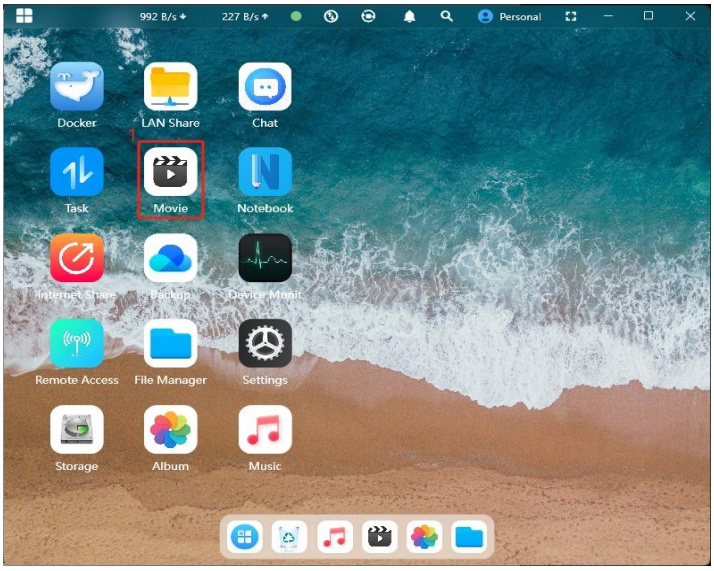
JPEG, JPG, PNG, BMP, GIF, TIFF, TIF, WEBP, HEIC, HEIF, RAW, ICO, SVG, CR2, CF3, NEF, ARW, ORF, RW2, DNG, PEF, SR2, RAF, KDC, SRF

9. Movie / TV Show Management

9.1 How to Set Up a Scraping Directory for Your Media Library?

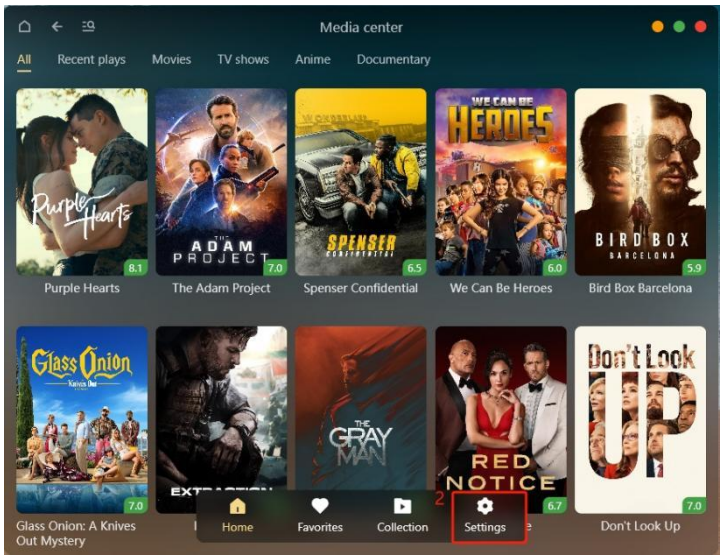
· Access the Media Application Interface

Click on the "Media" icon on the home page to enter the media interface.



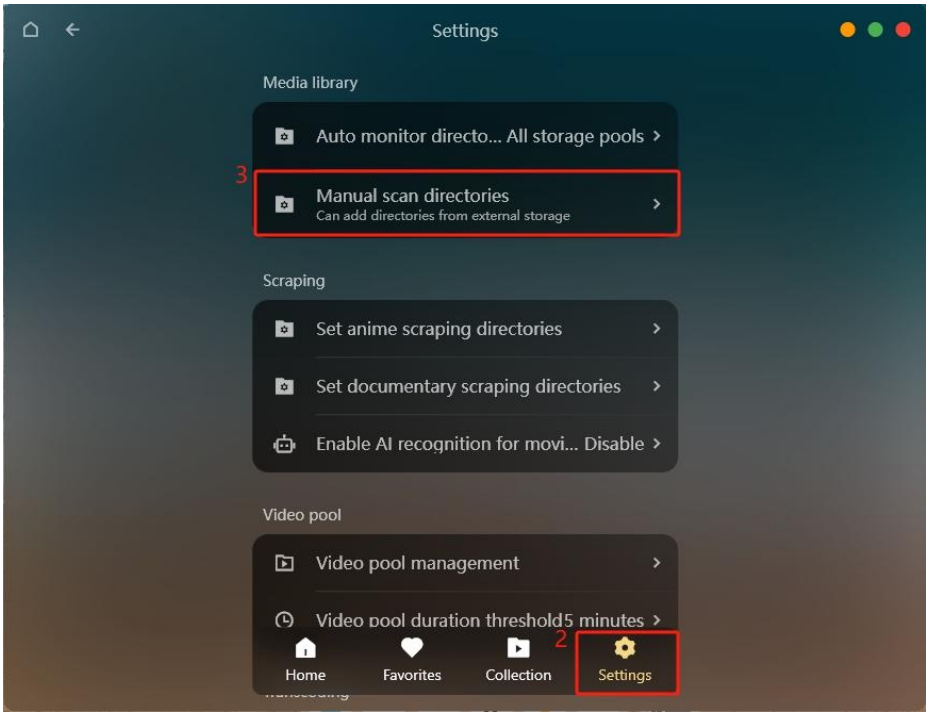
· Default Generation

By default, media files saved to the NAS will be automatically scraped and generate media posters. You can also manually select the directory for scraping.



· Change Directory

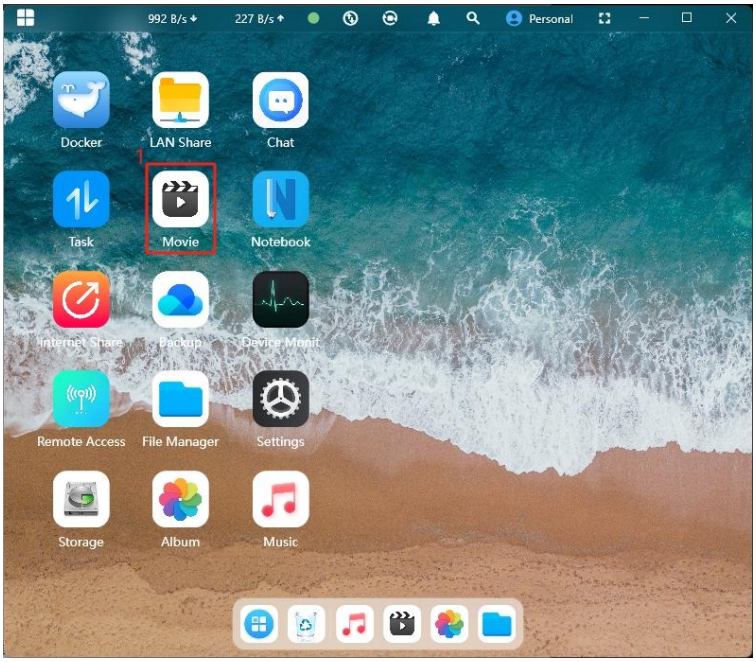
Click on "Settings" at the bottom to go to the settings page, then click on "Auto-monitor Directory" to select a different directory.



9.2 How to Mount an External Storage Movie Directory?

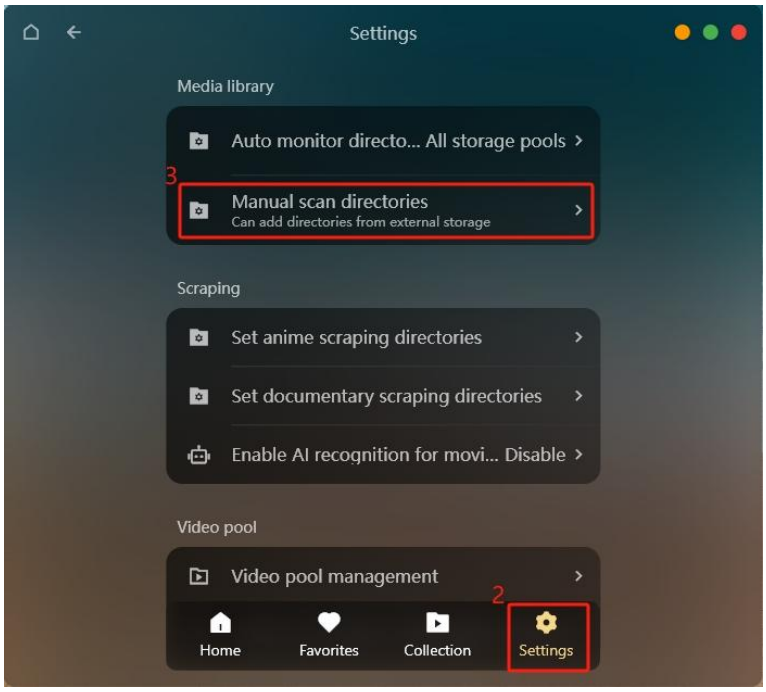
· Access the Movie Application Interface

Click on the "Movie" icon on the home page to enter the movie interface.



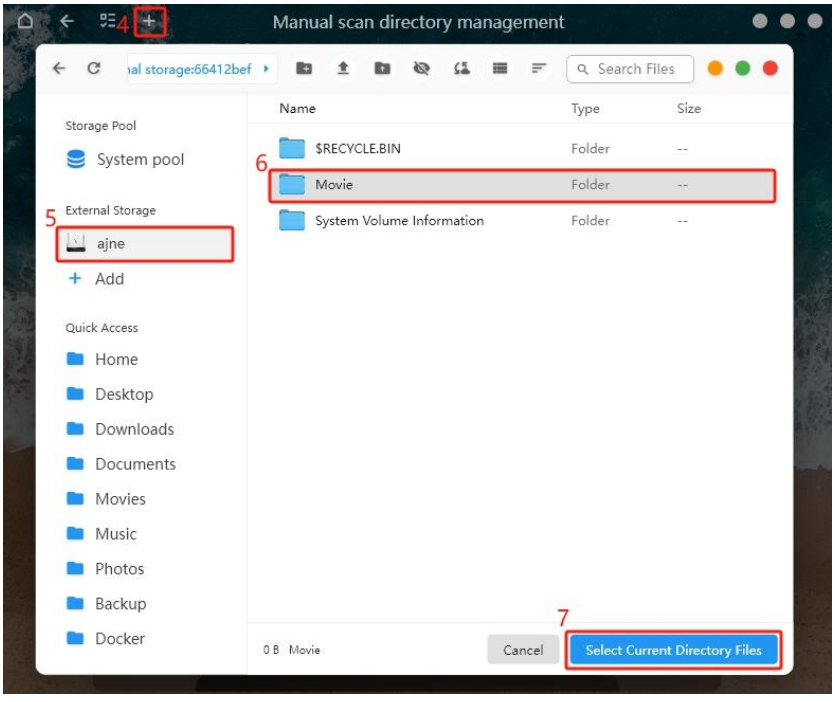
· Enter Manual Scan Directory Management

Click on the "Settings" at the bottom of the movie application, then click on "Manual Scan Directory" to enter the manual scan directory management.



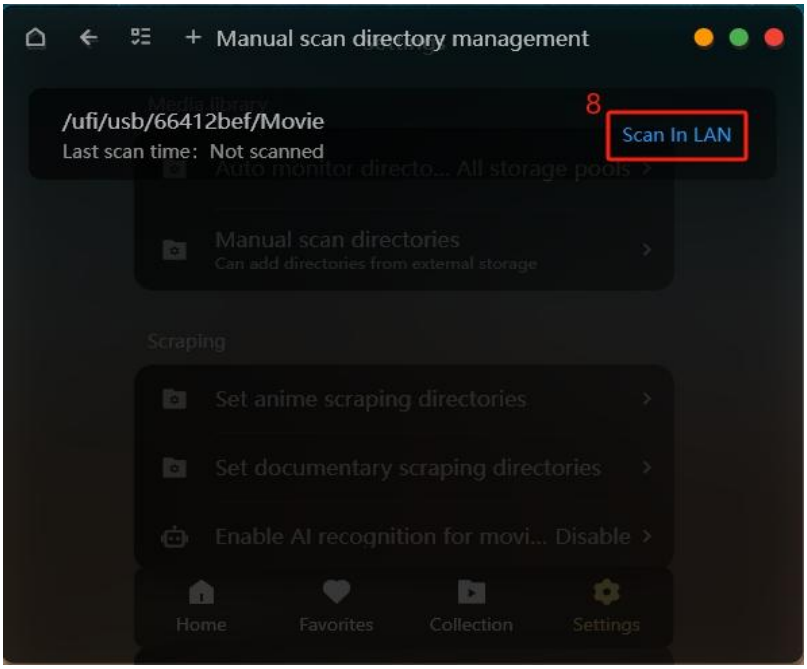
· Select the External Storage Movie Folder

Click on the "+" in the top left corner, then select the media folder on the external storage device and click on "Select Chosen Files".



· Complete the Mounting by Scanning the Directory

After generating a scan directory, click on "Scan" to complete the mounting of the external storage movie directory and generate a poster wall.



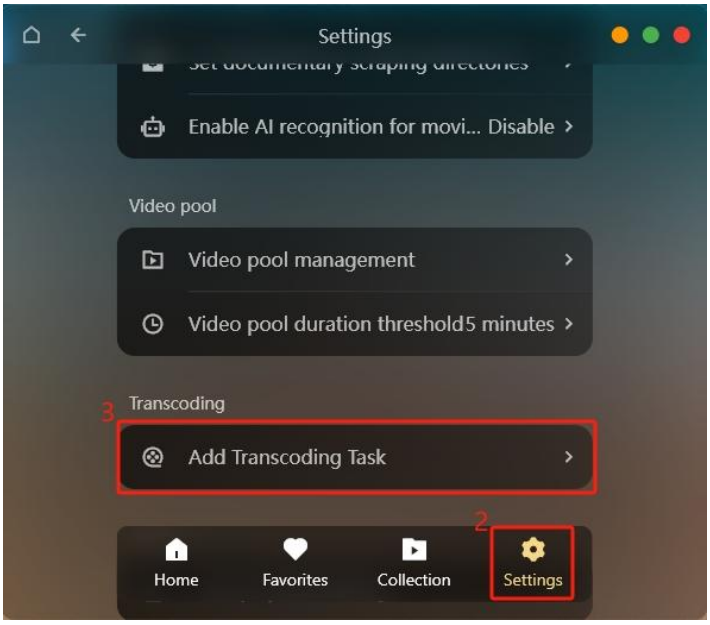
9.3 How to Add an Offline Transcoding Task?

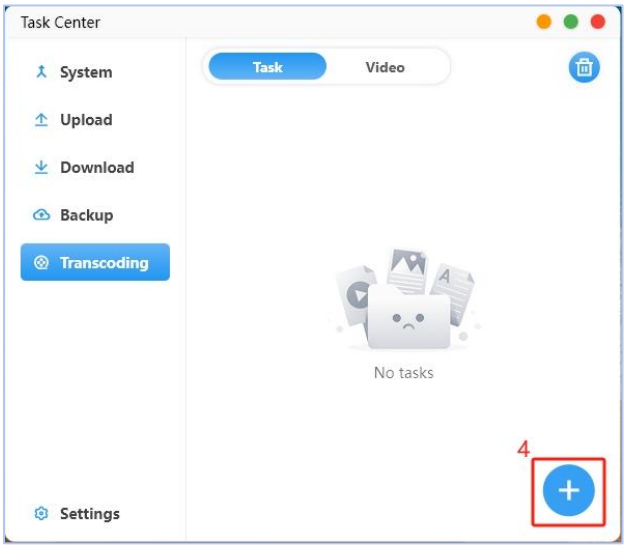
· Access the Video Application Interface

Click on the "Video" icon on the homepage to enter the video interface.

· Enter the Offline Transcoding Management Interface

Click on "Settings" at the bottom of the video application, then click on "Add Offline Transcoding Task" to enter the offline transcoding management interface.

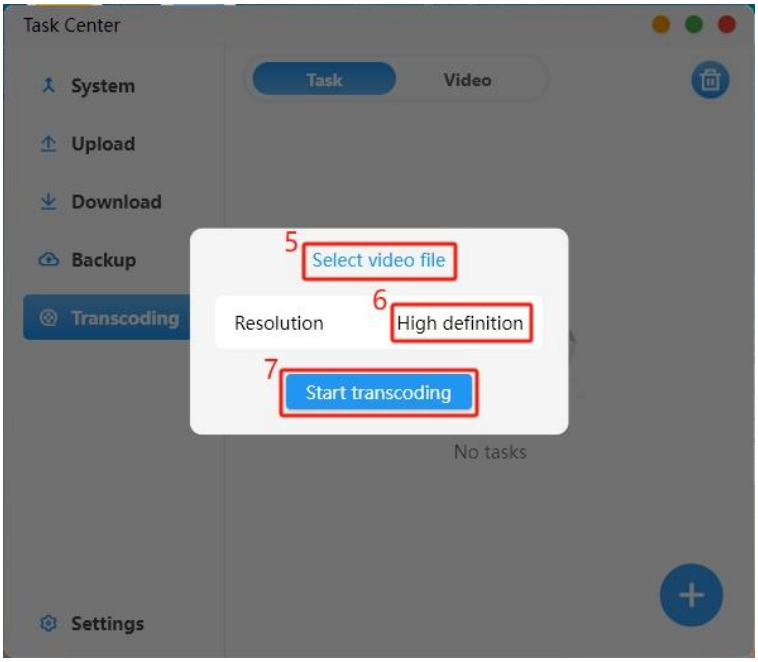




· Select a File for Transcoding

Click on "Select Video File", choose a video, then click on "HD" to switch the desired clarity after transcoding. After that, click on "Start Transcoding" to begin the transcoding task.

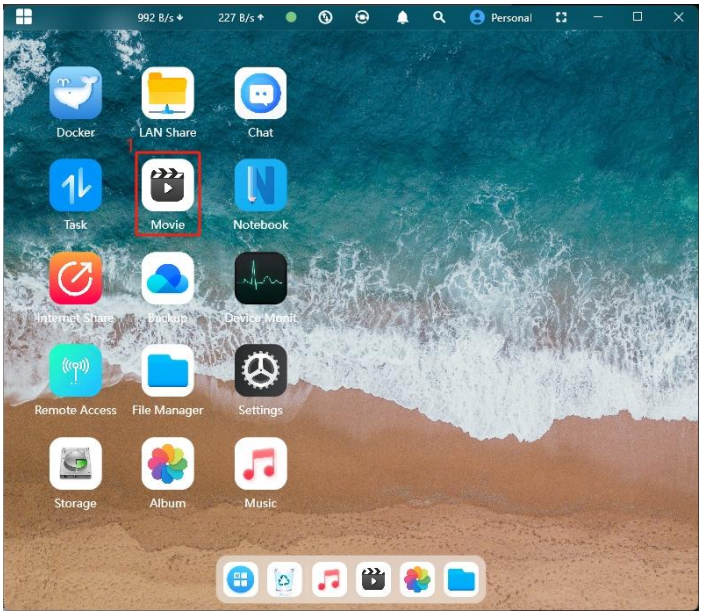
Click on the "+" icon at the top left corner, then select the video folder on the external storage device, and click on "Select Chosen File".

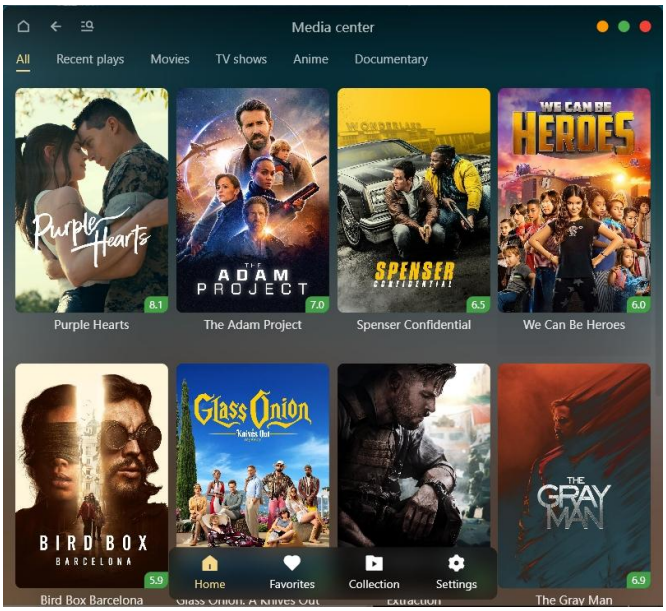


9.4 How to Set Up HDMI Output for Video Playback?

· Access the Video Application Interface

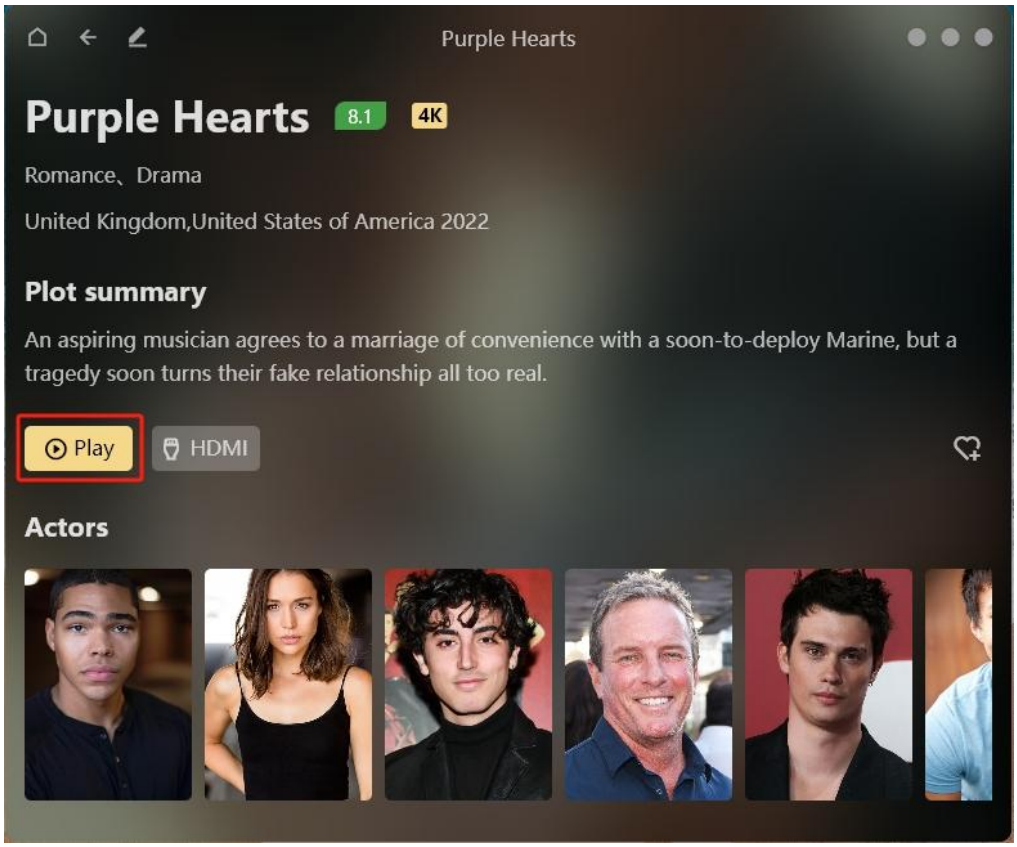
Click on the "Video" icon on the home page to enter the video interface.





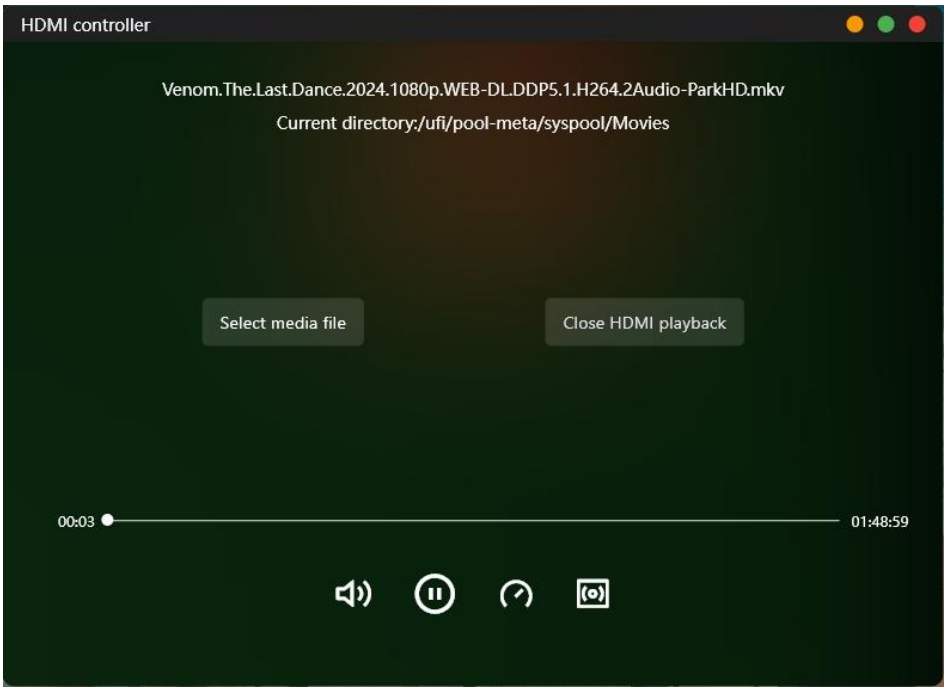
· Enter the Poster Details Page

Click on a poster to enter its details, then click on "HDMI" to bring up the HDMI controller.



· Operate the HDMI Controller

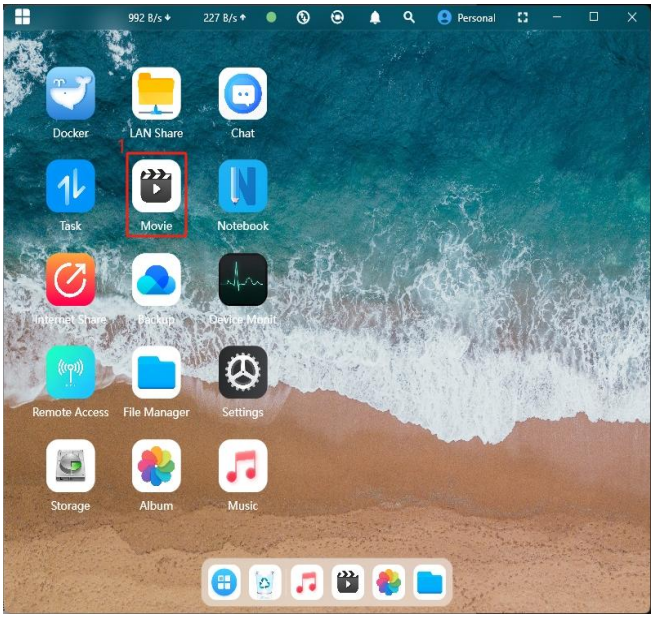
On the HDMI controller interface, you can click on the function buttons at the bottom to mute, pause, speed up playback, and select audio tracks for the audio and video output.

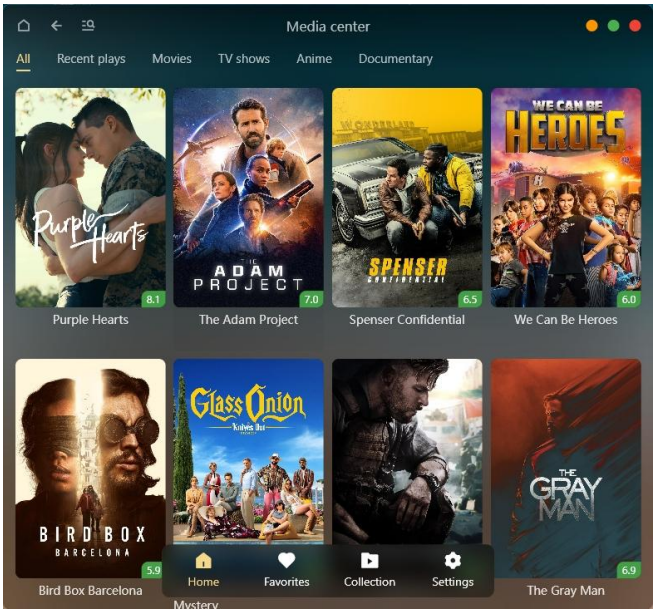


9.5 How to Set Up DLNA Wireless Screen Mirroring to Play Videos?

· Access the Video Application Interface

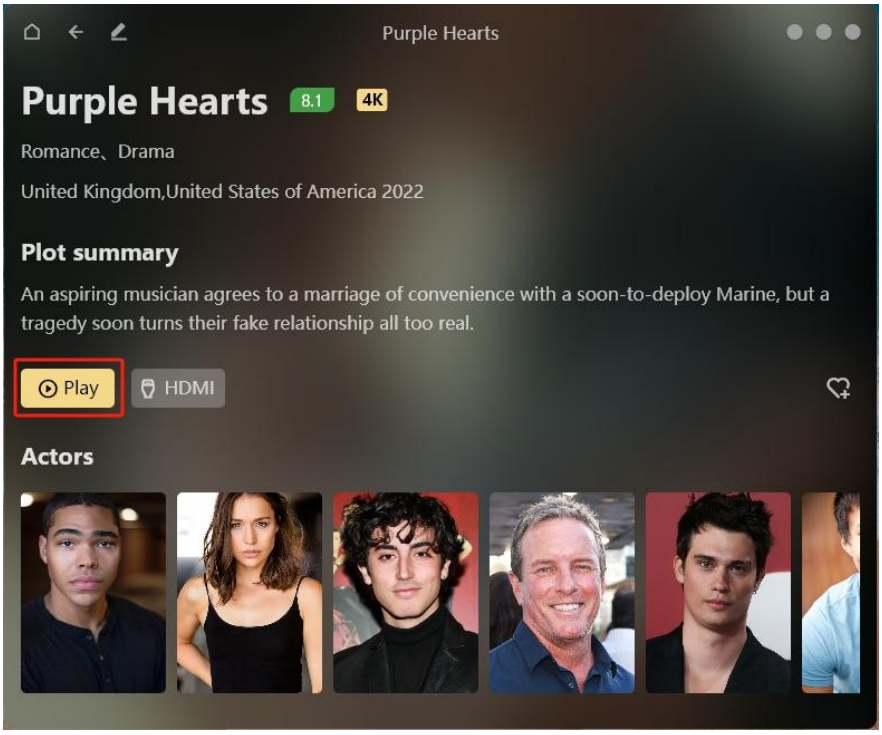
Click on the "Video" icon on the home page to enter the video interface.





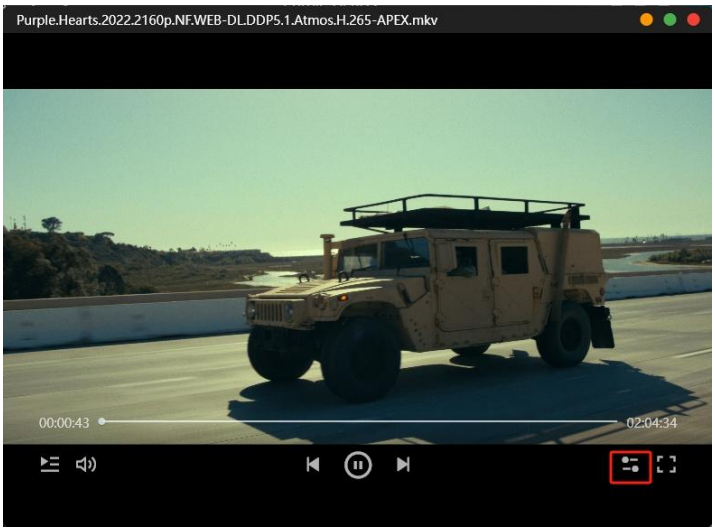
· Enter the Poster Details Page

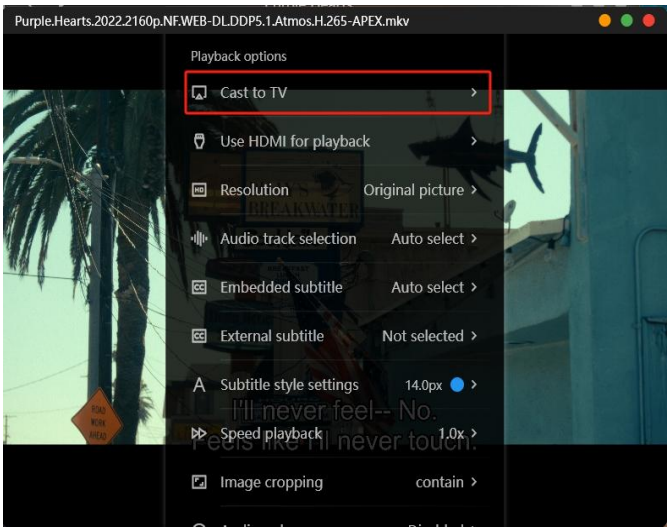
Click on a poster to enter its details, then click "Play" to bring up the movie player.

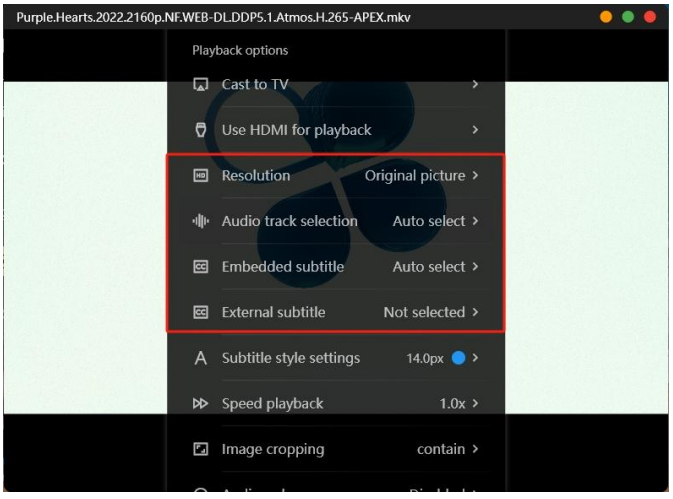


· Cast to TV

Click the "Settings" button at the bottom right corner of the player, and select "Cast to TV" to proceed.







9.6 Supported Video Encoding Formats

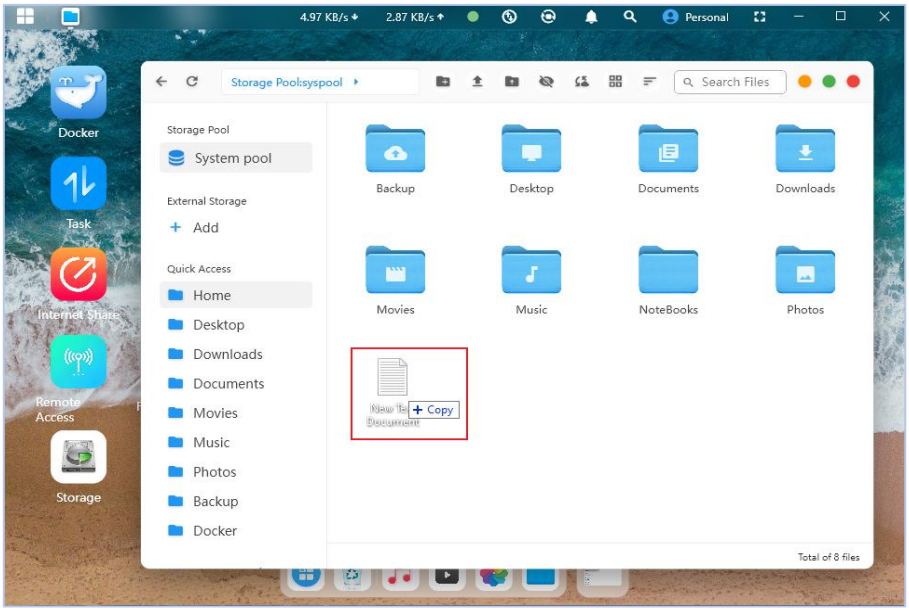
H264, H265/HEVC, VP8, VP9, AVI, MPEG2, MPEG4
SDR, HLG, HDR10, HDR10+

10. File Management

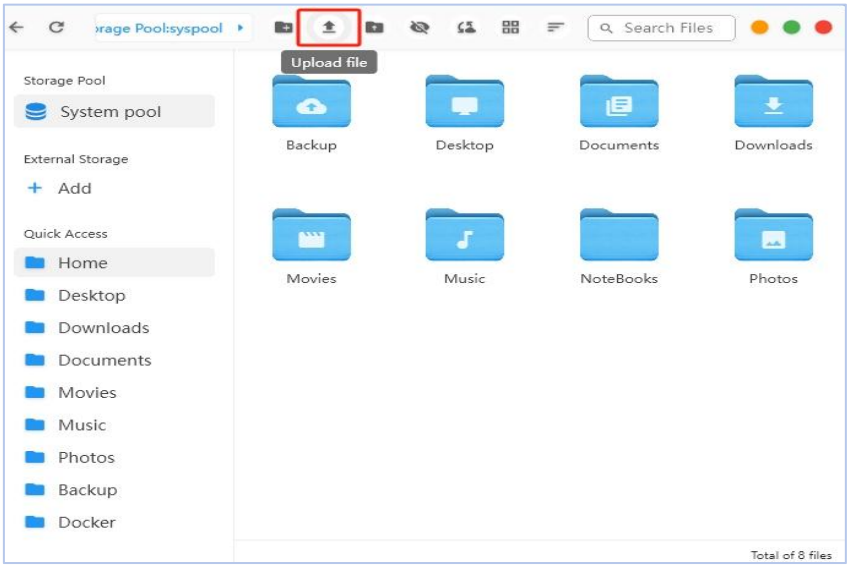
10.1 Upload Files

There are several common ways to upload files: drag-and-drop upload, upload via local folder window, and upload via Samba.

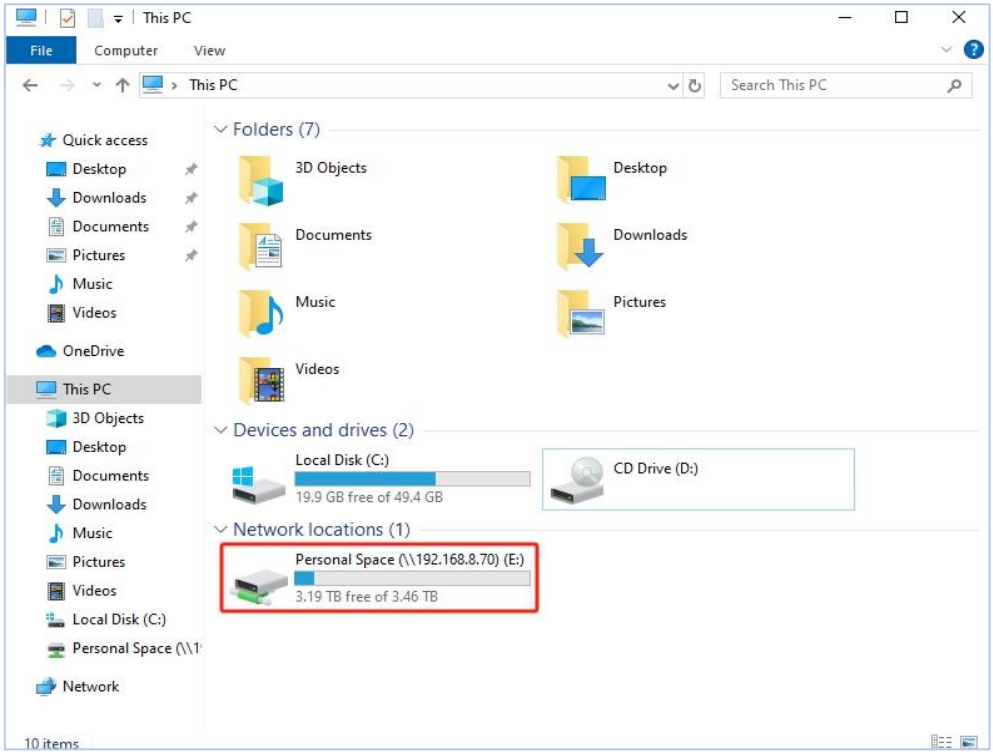
Drag-and-drop upload: Select the file to upload and drag it to the CyberData software folder to complete the upload.



Local folder window upload: Click the "Upload File" icon above the folder, select the file in the pop-up folder window, and click "Open" to complete the file upload.



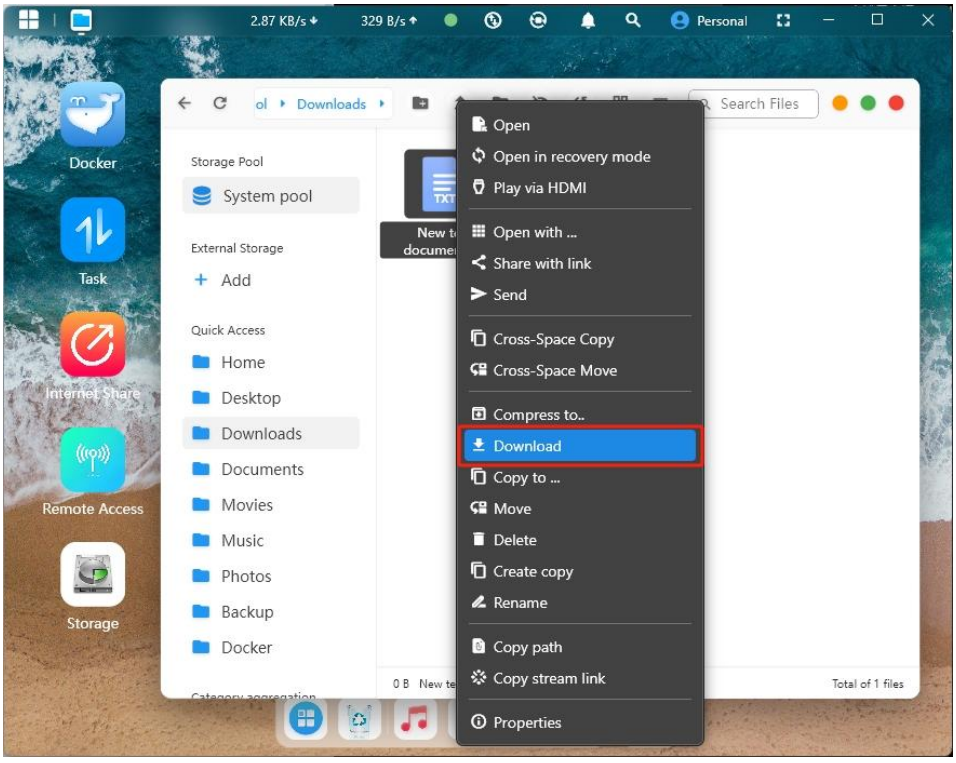
Upload via Samba: After mapping the NAS storage space to your computer via the Samba protocol, you can upload files by copying and pasting, just like with a local hard drive.



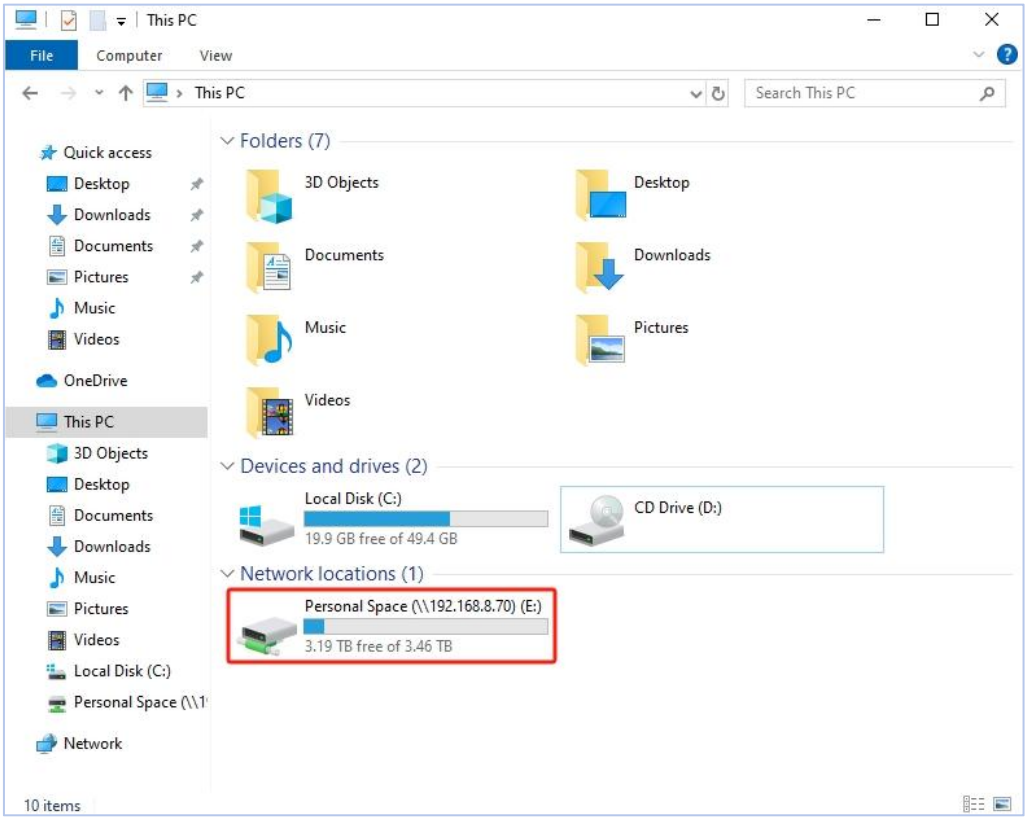
10.2 Download Files

There are several ways to download files: right-click to download and download via Samba.

Right-click to download: Select the file, right-click, and choose "Download". In the pop-up local folder window, select the path and start the download.



Download via Samba: After mapping the NAS storage space to your computer via the Samba protocol, you can download files by copying and pasting, just like with a local hard drive.

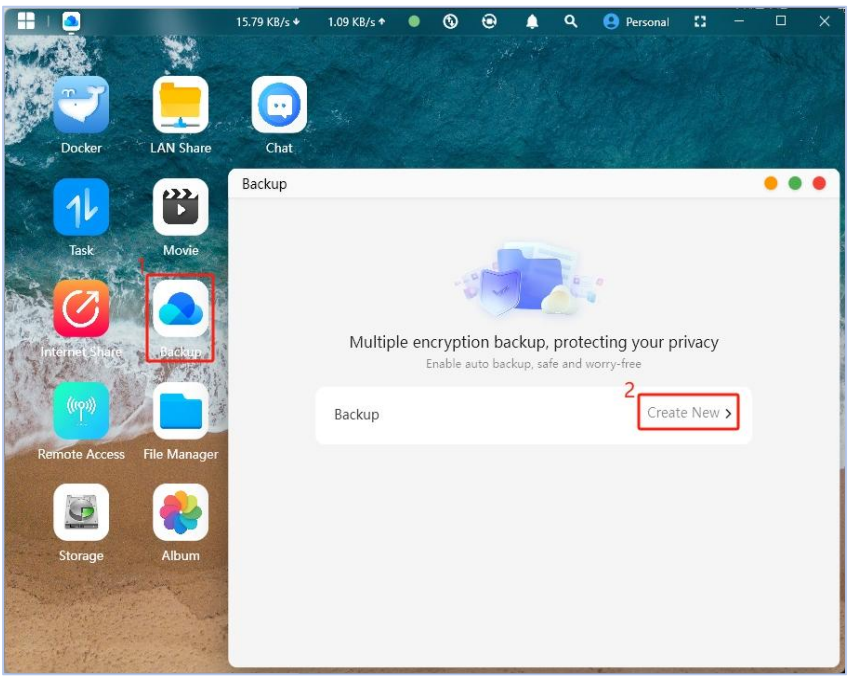


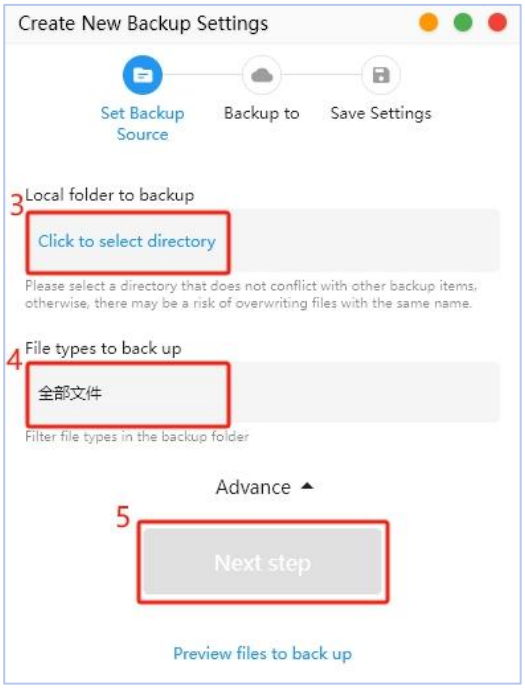
10.3 File Backup

The file backup feature allows you to back up local folders to the NAS.

· Click "File Backup" on the homepage, then click "Create New".

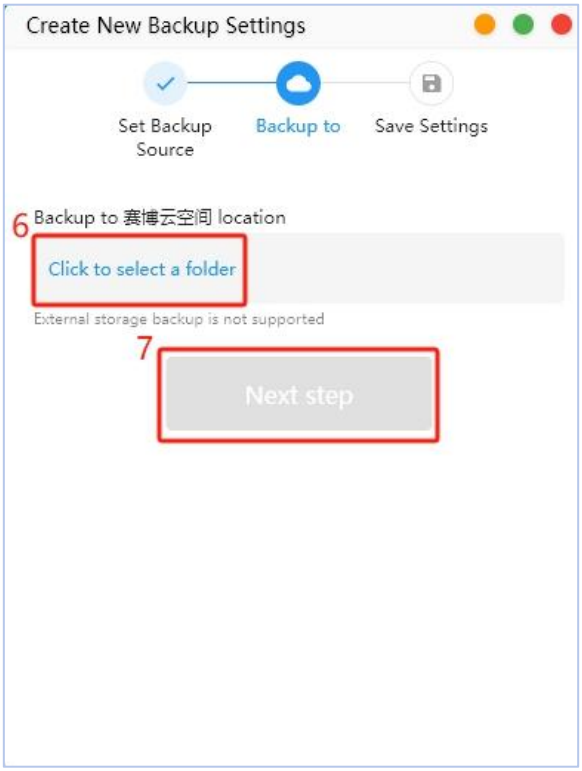
· Select the local backup folder, choose whether to limit the file types for backup, and click "Next Step".

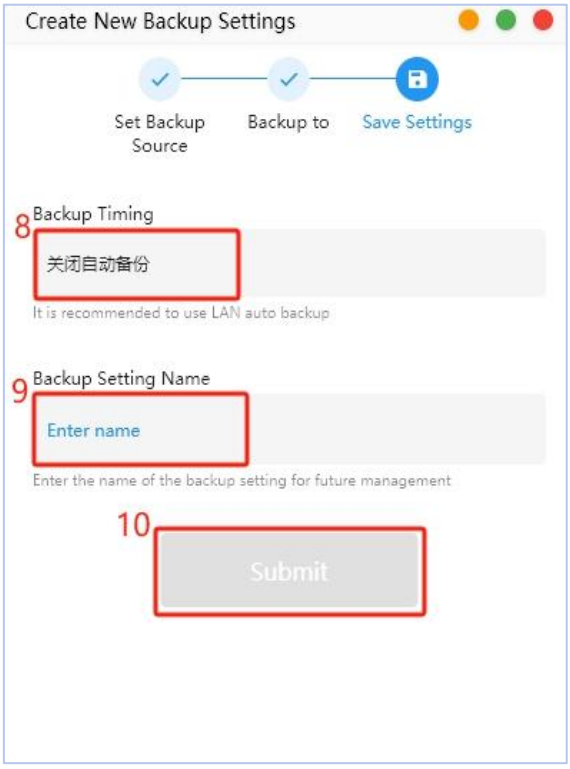




· Select the save path on CyberData app, then click "Next".

· Finally, choose the automatic backup strategy (LAN backup or other types), set the name, and click "Submit" to complete the backup task creation.

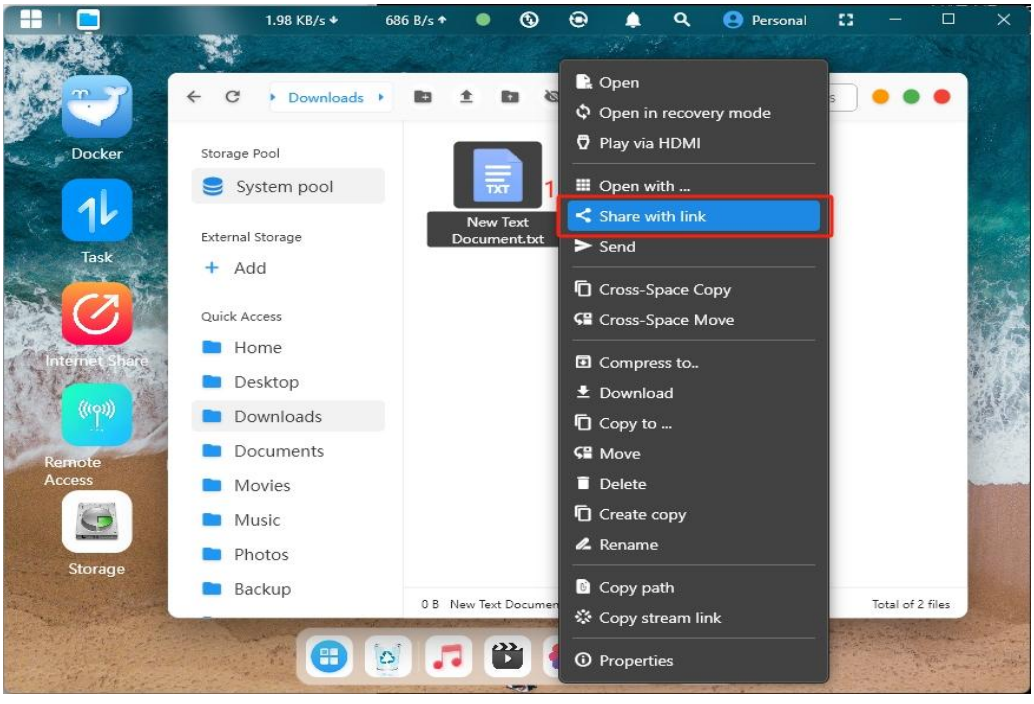




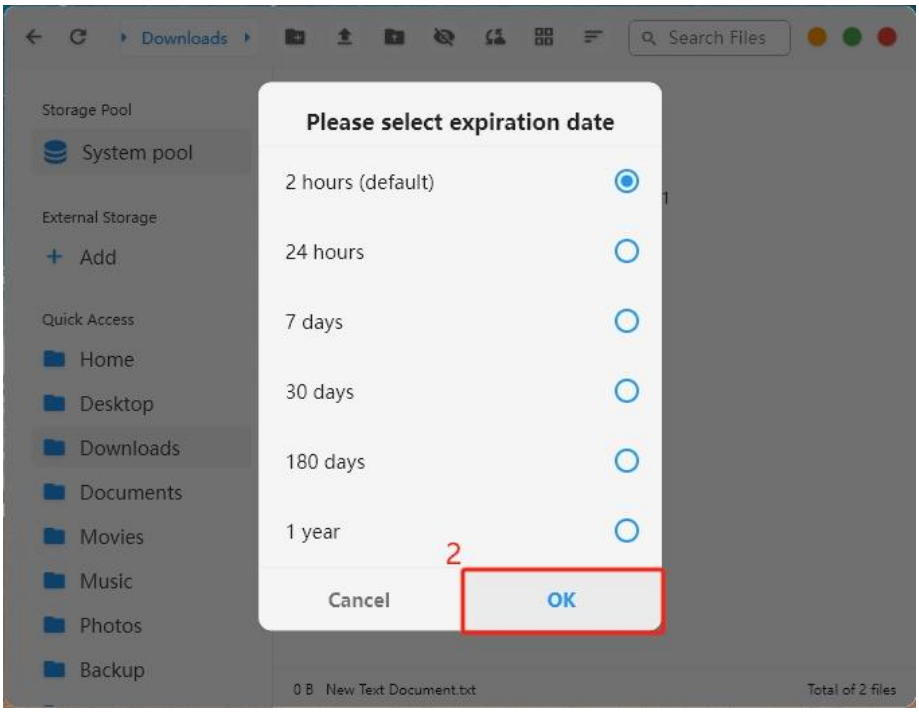
10.4 Share the Files

CyberData allows you to share files with your friends via the links, without requiring them to download the client. Your friends can download the files directly through a browser.

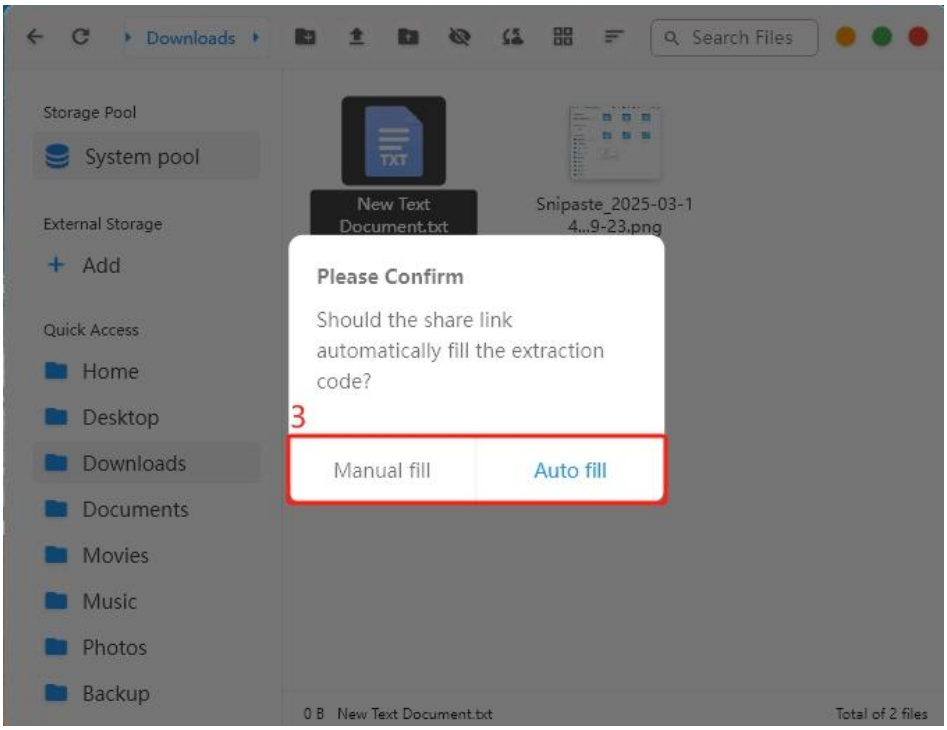
Right-click the file you want to share and select "Share with Link".



· After selecting the validity period of the link, click "OK".



· Choose either "Manual Fill" or "Auto Fill", then complete the sharing link by copying it to the clipboard. Paste and send it to a friend to use the link for downloading.



· The difference between manual filling and automatic filling lies in whether the verify code is included within the link. Manual filling requires the user to add the extraction code themselves in order to complete the download.

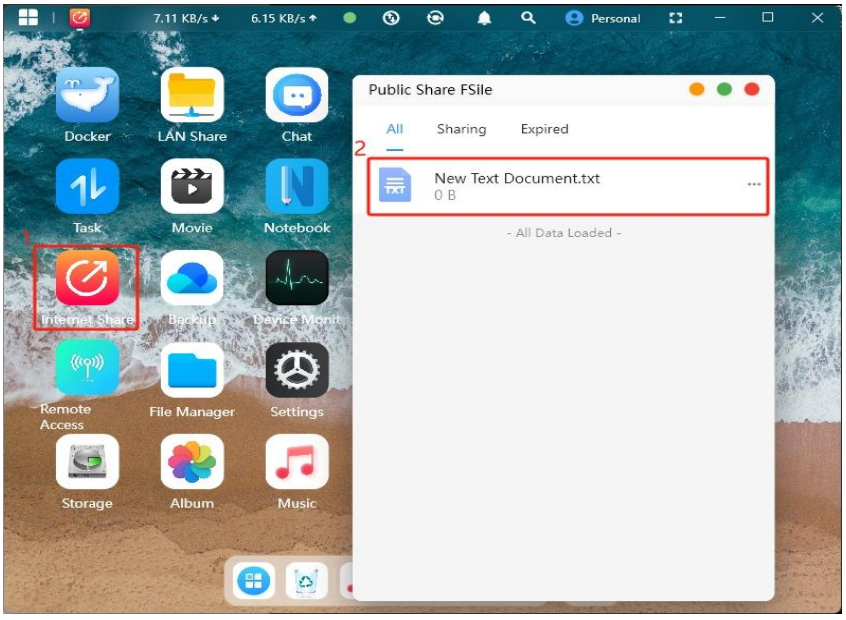
Manual fill:
File shared via CyberData
https://unishare.oriconas.com?region=CN&uuid=6abe91f0f7c01ff06887bc0c27b9cac4&code=95c88fda-ddd7-450d-b3a2-bf668b753b6e&verifycode=

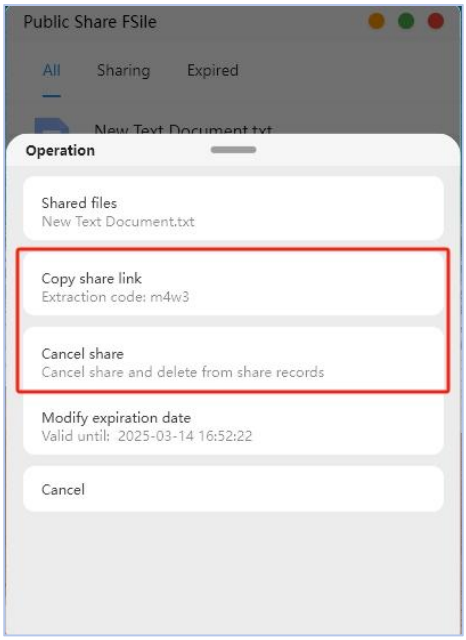
Auto fill:
File shared via CyberData
https://unishare.oriconas.com?region=CN&uuid=6abe91f0f7c01ff06887bc0c27b9cac4&code=95c88fda-ddd7-450d-b3a2-bf668b753b6e&verifycode=m4w3

· After entering the link in the browser, select the file and then click "Download Selected" or "Download All" to complete the download of the linked files.

10.5 File Sharing Management via Public Network

To view historically shared files, you can click on the "Public File Sharing" application on the homepage. Once opened, you will be able to see the shared files. By clicking on the "..." on the right side of a file, you can either copy the file sharing link or cancel the file sharing.

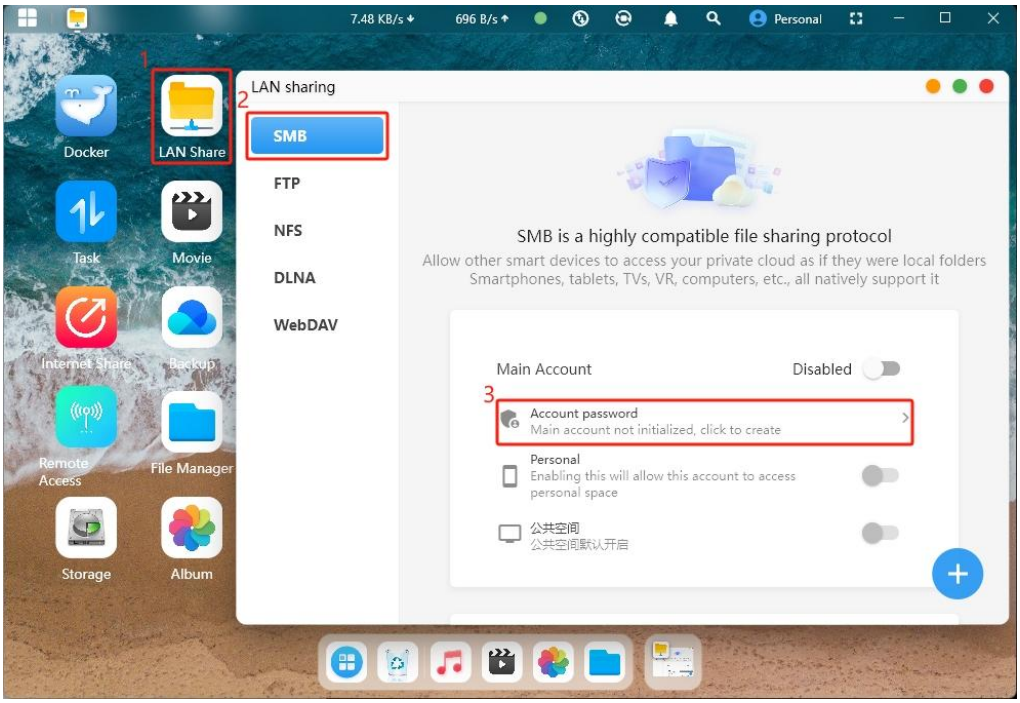




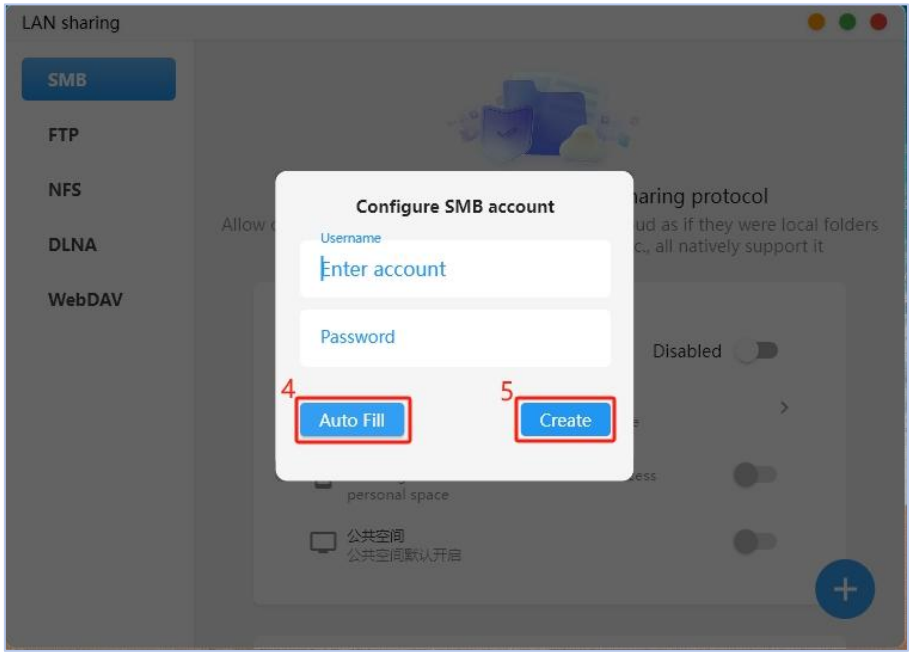
11. Transfer Protocols

11.1 Access via Samba Protocol

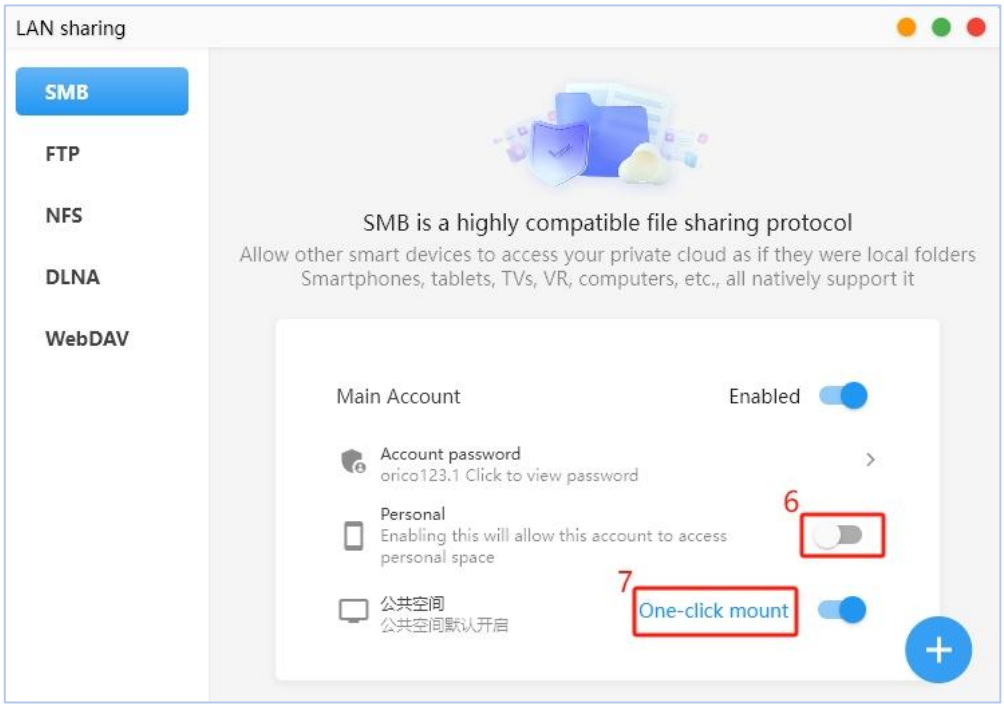
· Click on "LAN Sharing" on the homepage, select "Samba", and enter the settings interface. Click on "Account Password" to set up.

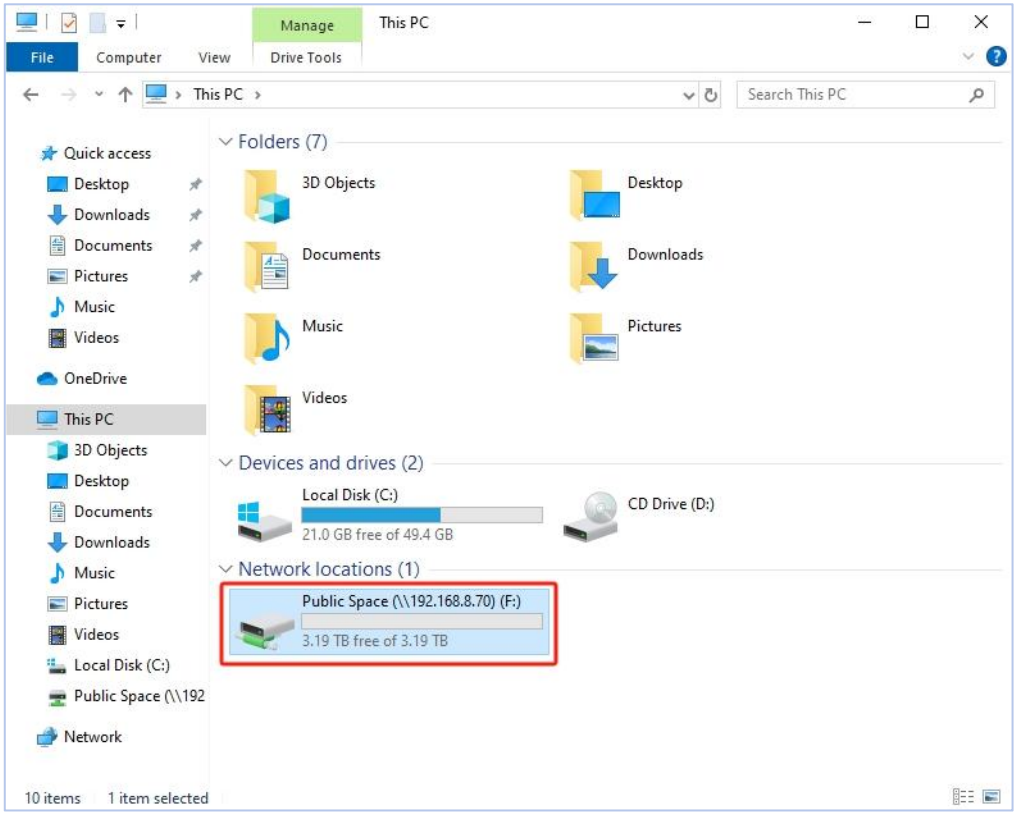


· In the pop-up window, you can click on "Auto Generate" at the bottom left to generate an account based on the username, or set it up manually, then click on "Create" at the bottom right to complete the account creation.



· After creating the account, the main account and public space access are automatically enabled by default, while personal space needs to be manually enabled. You can also click on "One-click Mount" to mount the storage path to your computer.

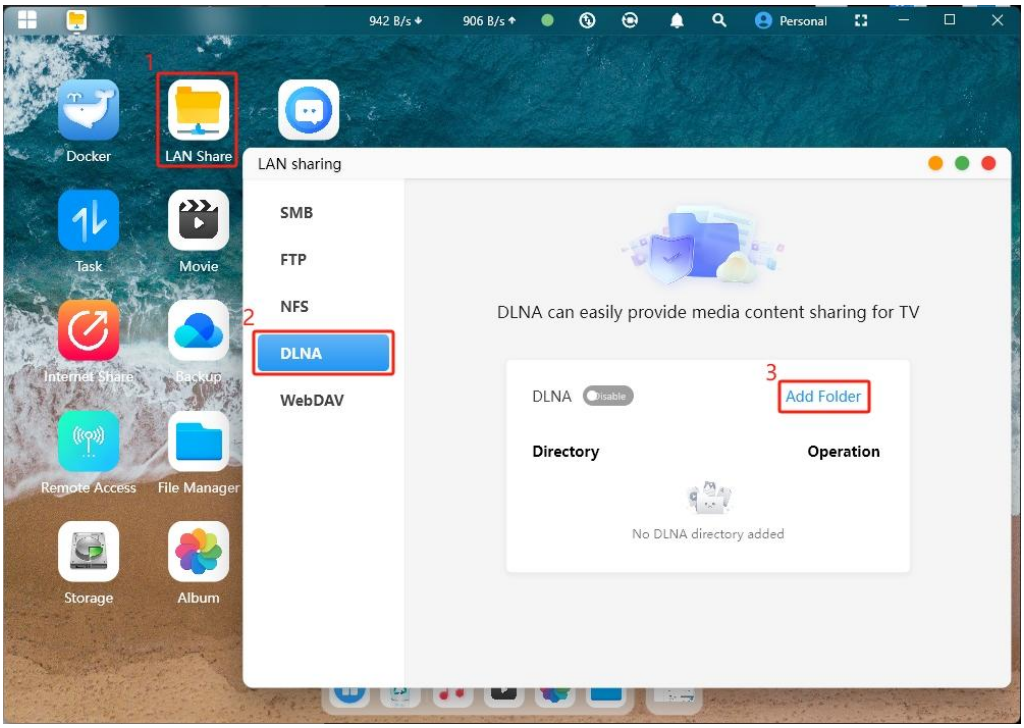


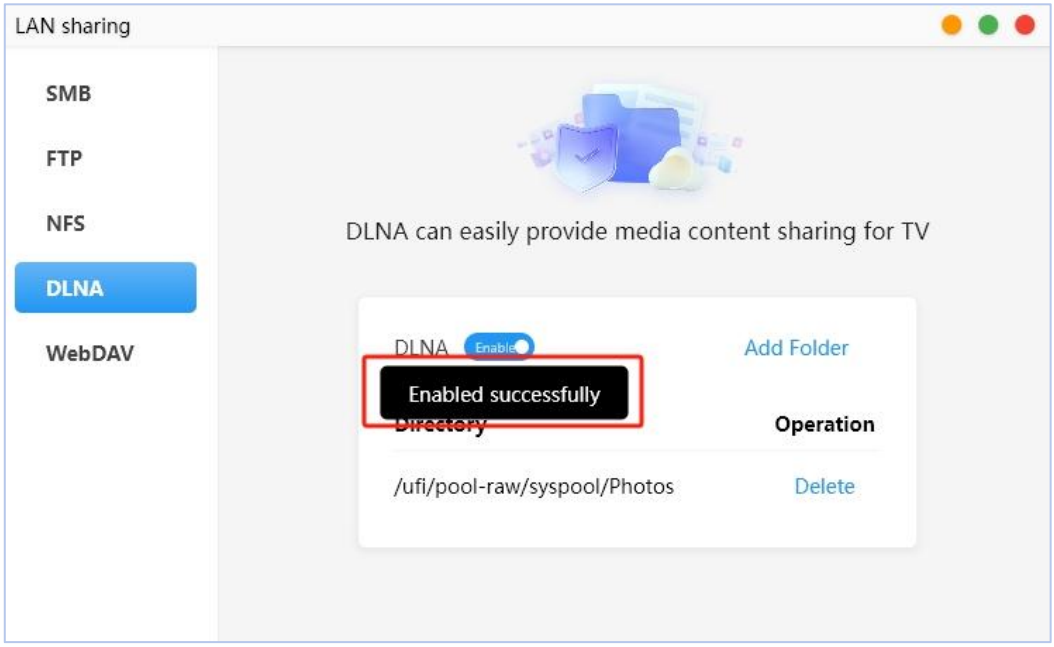


11.2 Access via DLNA

· Click on "LAN Sharing" on the homepage, select "DLNA", and enter the settings interface. Click on "Add Directory" to set up. As shown in the bottom left image.

· After selecting the folder to be shared on CyberData, a “Enabled Successfully” message will be prompted, and the DLNA switch will also be automatically turned on, allowing you to access CyberData files on your TV via the DLNA protocol.

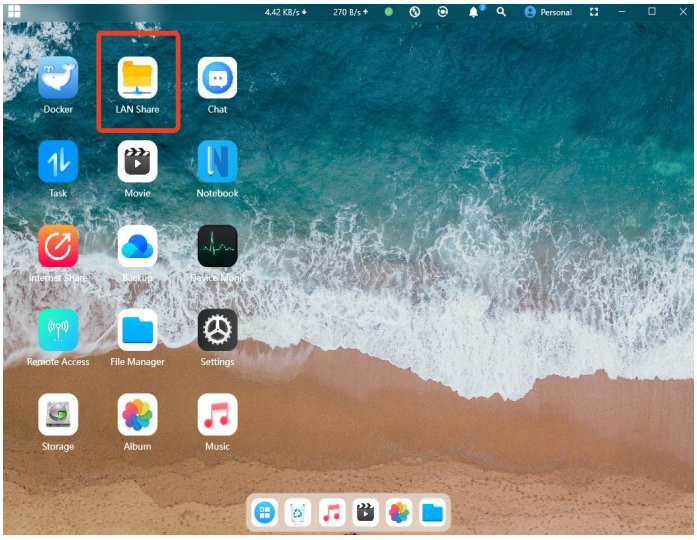


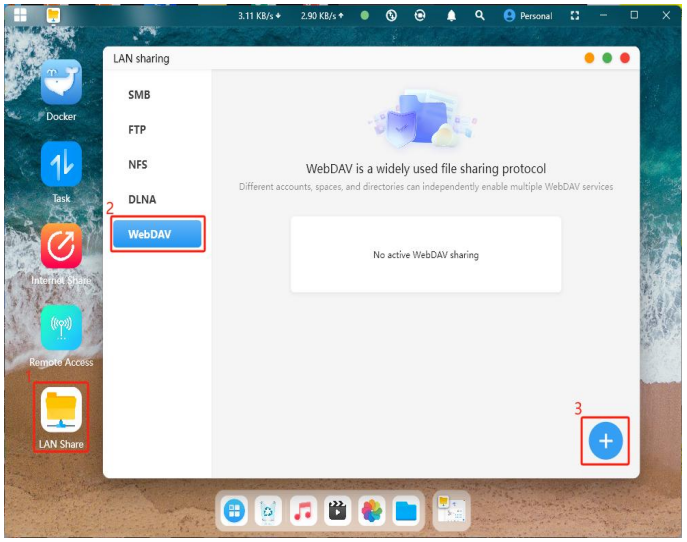


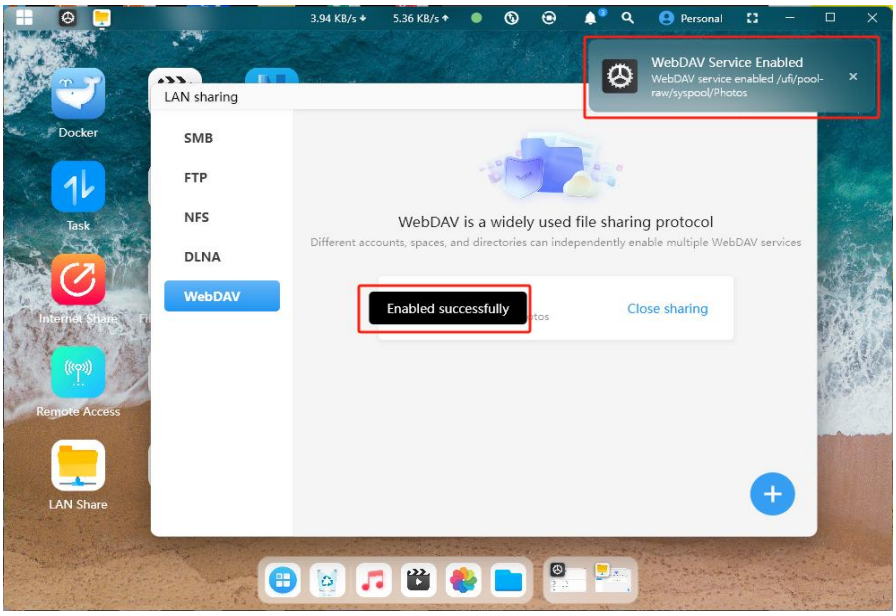
11.3 Access via WebDav

· On the homepage, click "LAN Sharing", select "WebDAV" to enter the settings interface. Then tap the "+" icon in the bottom-right corner to configure.

· After selecting the folder you wish to share on CyberData, a success notification will appear, and a pop-up will also show in the top-right corner of the app.

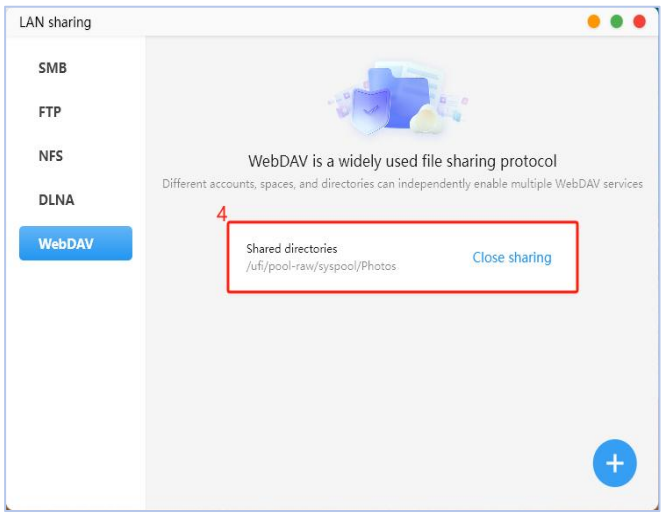


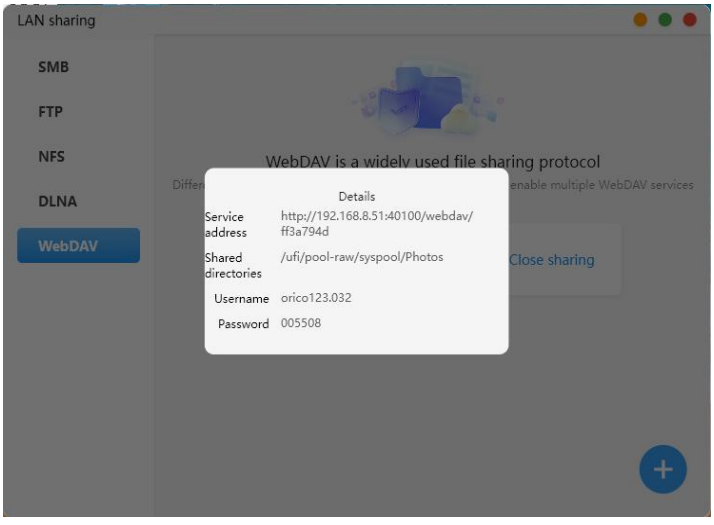




· Once WebDAV is enabled, click "Shared Directory" to view details such as the server address for sharing.

· Enter the server address and shared path in your browser’s address bar. A login prompt will appear—input your credentials to authenticate, after which you can access the shared files.

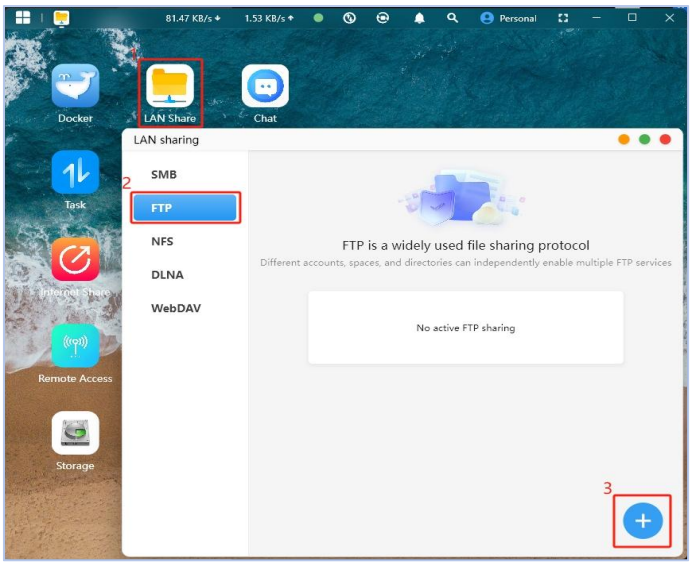


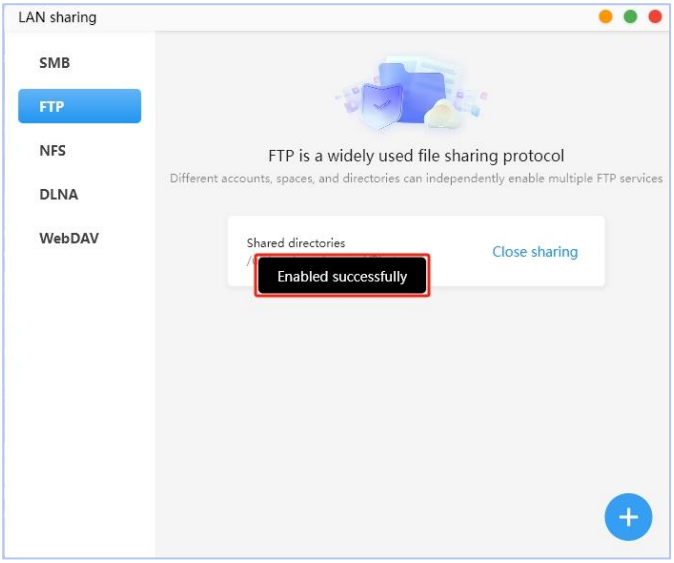


11.4 Access via FTP

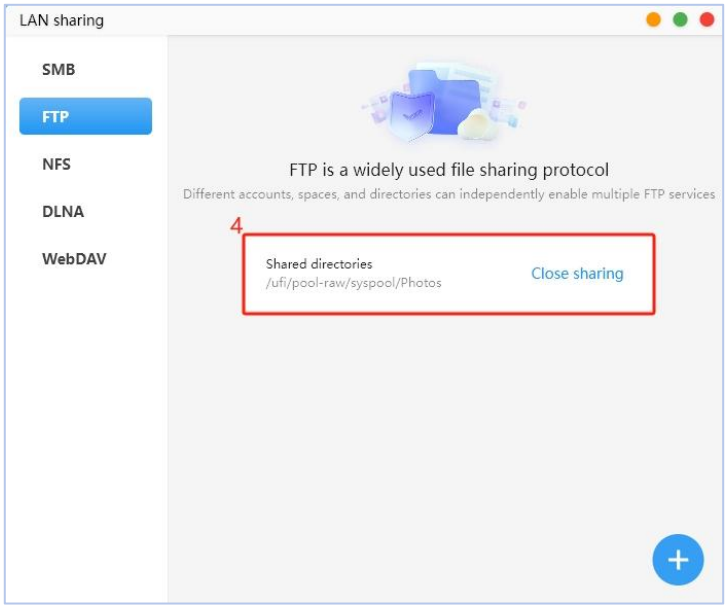
· Click on "LAN Sharing" on the homepage, select "FTP", and enter the settings interface. Click on the "+" at the bottom right to set up.

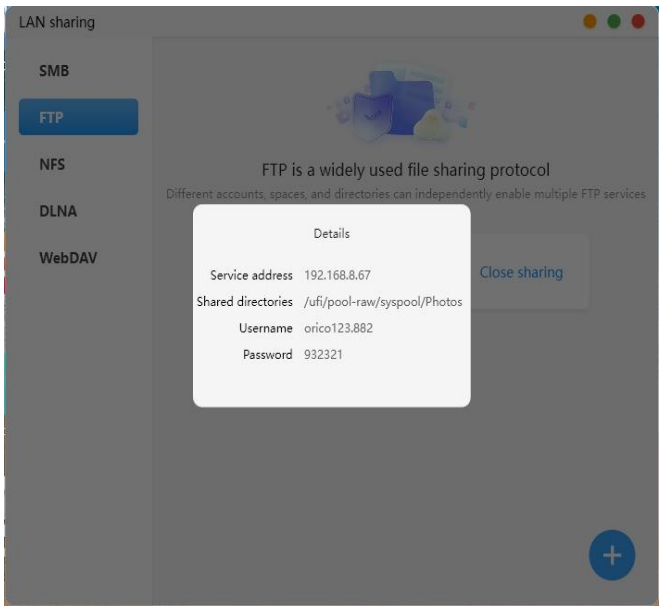
· After selecting the folder to be shared on CyberData, a success message will be prompted.



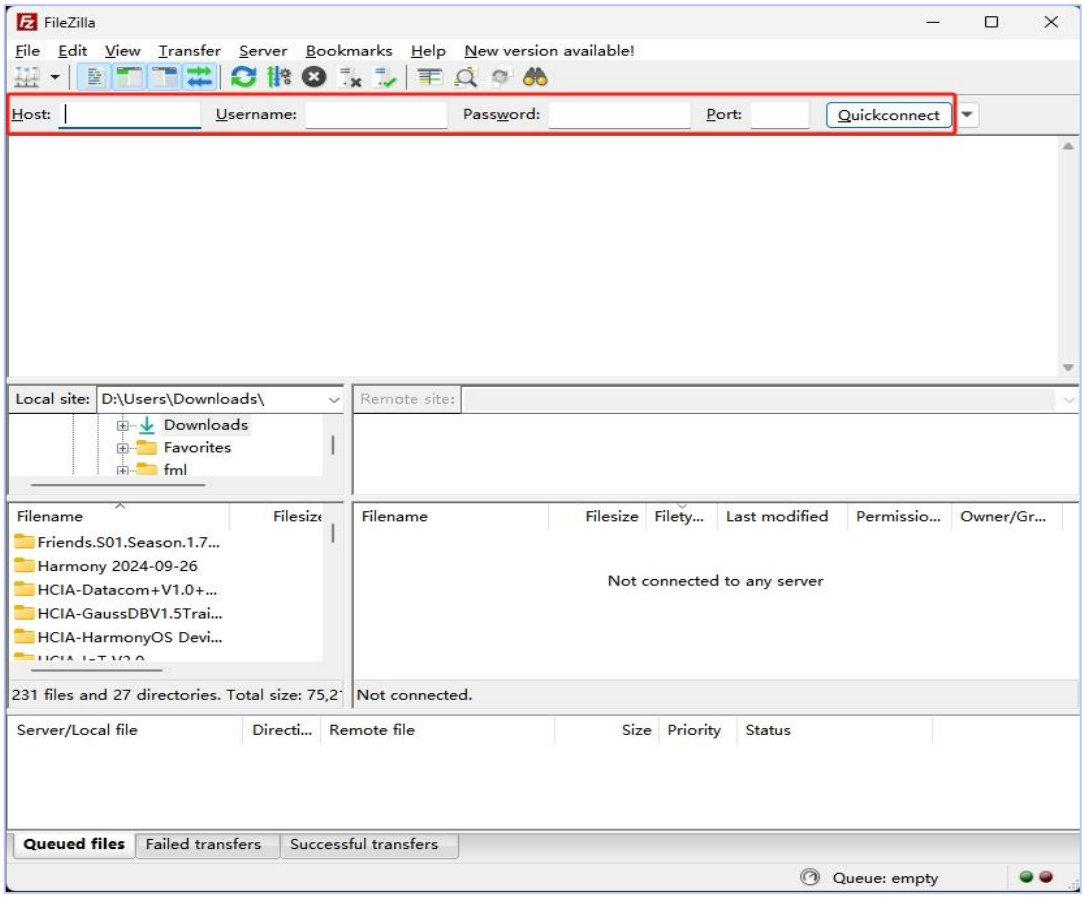


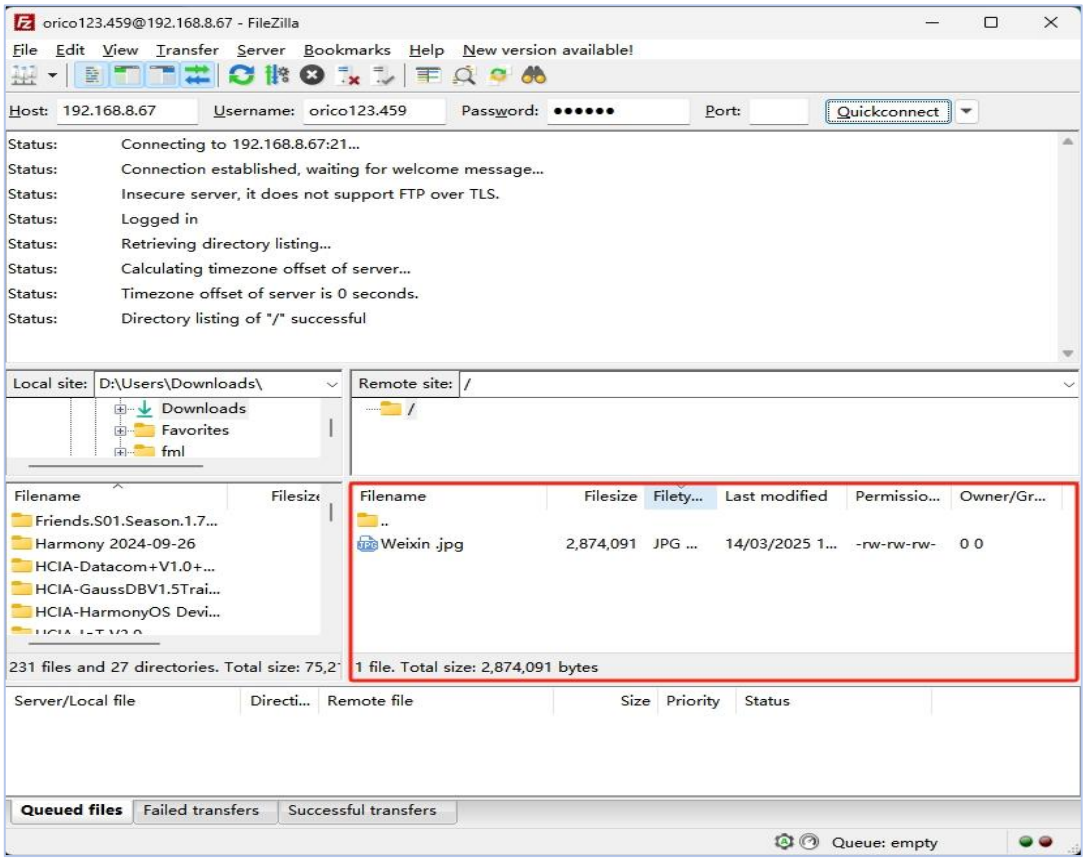
· After enabling FTP, click on the shared directory, and the shared service address and other information will pop up.





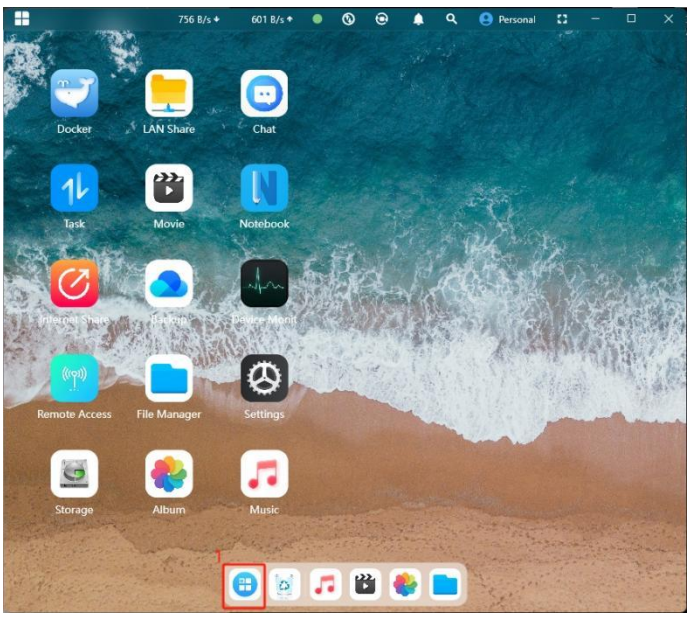
· It is recommended to use FileZilla software to connect. After entering the account password, click on "Quick Connect" to complete the login.

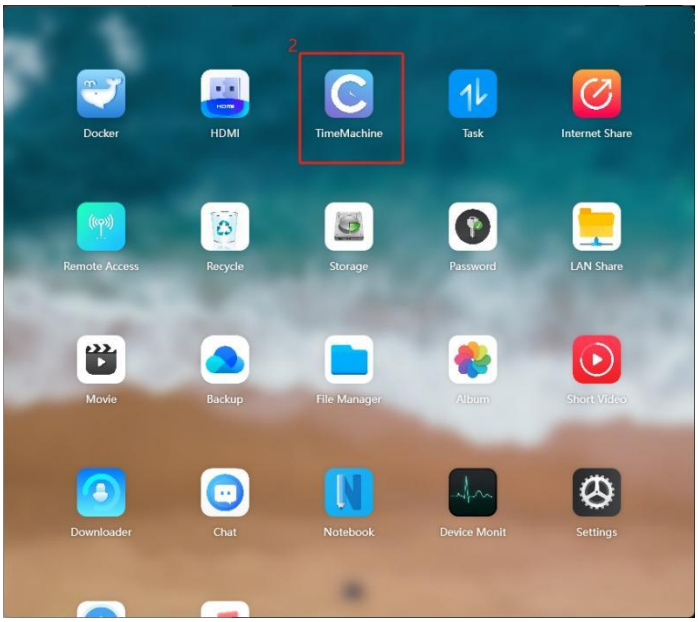




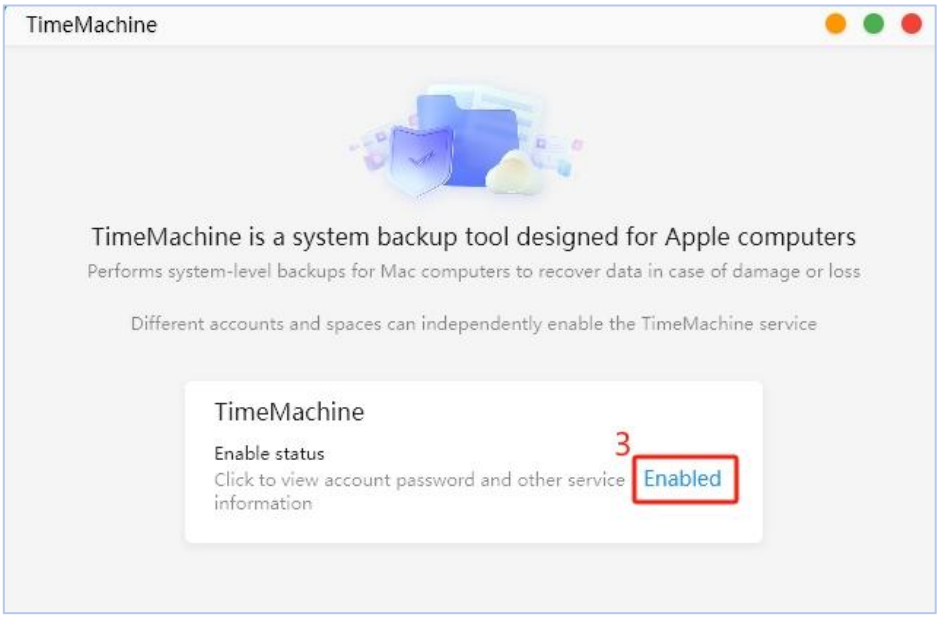
11.5 Apple TimeMachine Setup

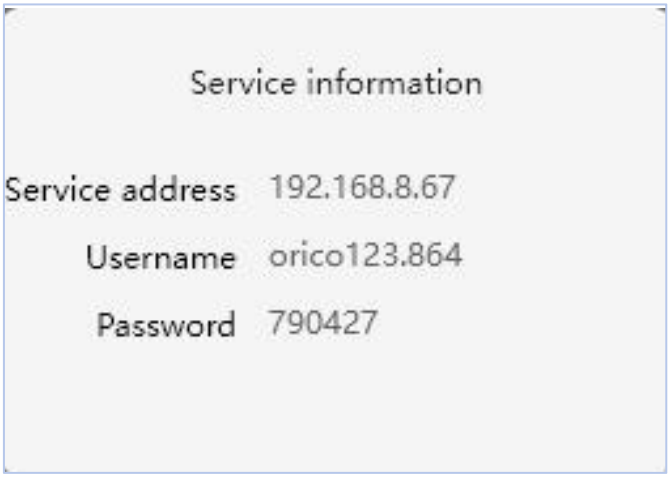
Click on "More Applications" on the homepage, select "TimeMachine", and enter the settings interface.





Once TimeMachine is turned on. click Turn On Status. the shared service address and other information will pop up.

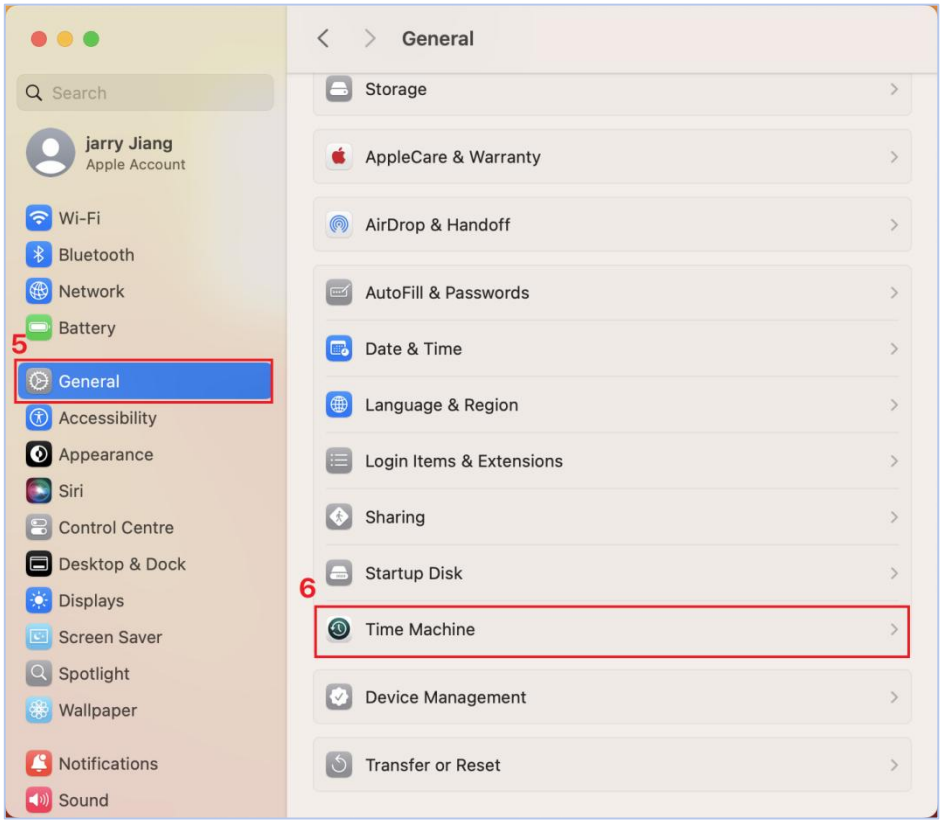


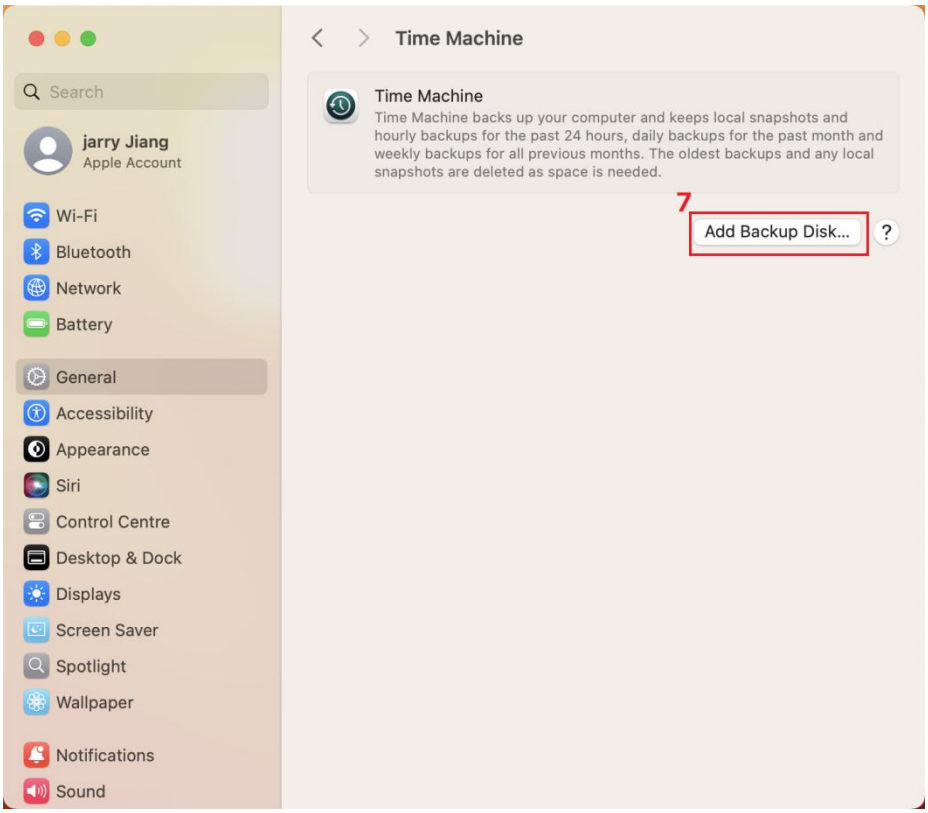


· After enabling TimeMachine on CyberData software, proceed to the settings on the Mac computer. First, right-click on "Finder" and select "Connect to Server...".

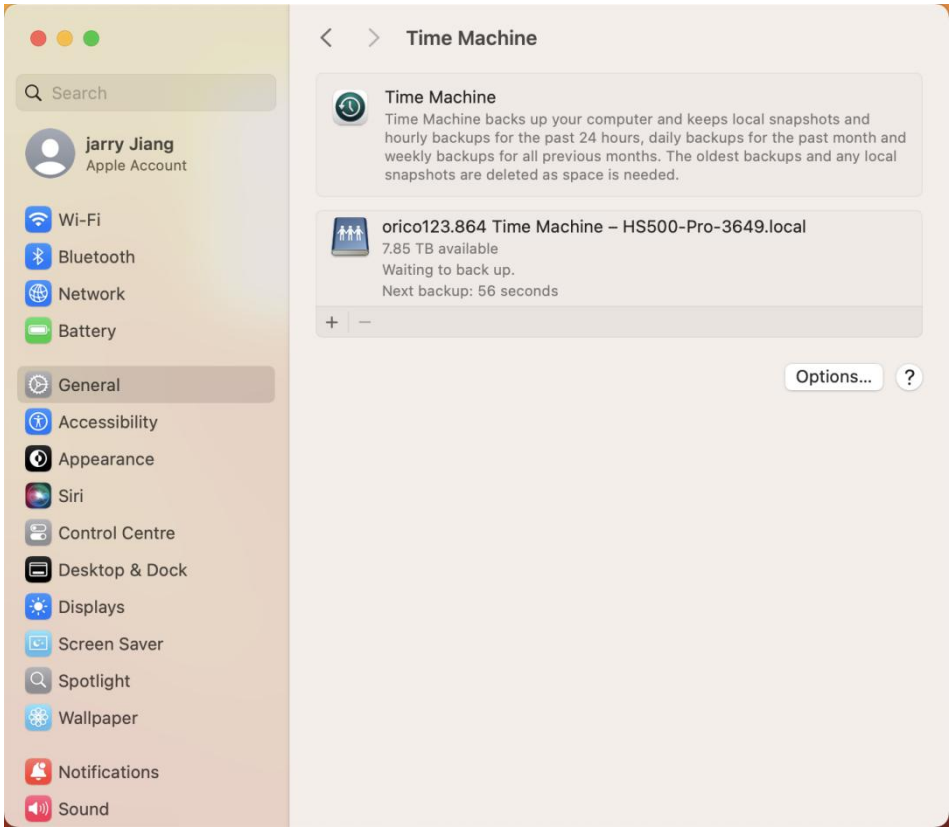
· Then enter "afp://+IP address", and click on "Connect". After entering the account password in the pop-up, complete the connection.

· Then open the "Time Machine" application, and click on "Add Backup Disk". In the pop-up, select the NAS backup space and confirm.





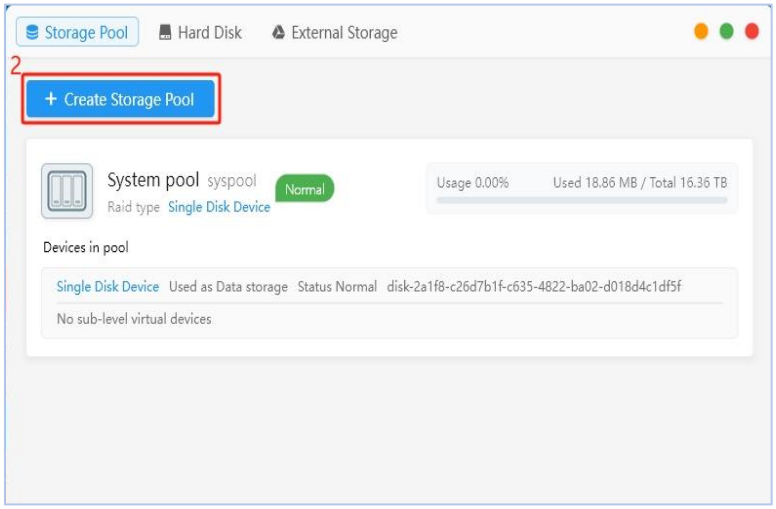
Then you can see the added backup device in Time Machine.



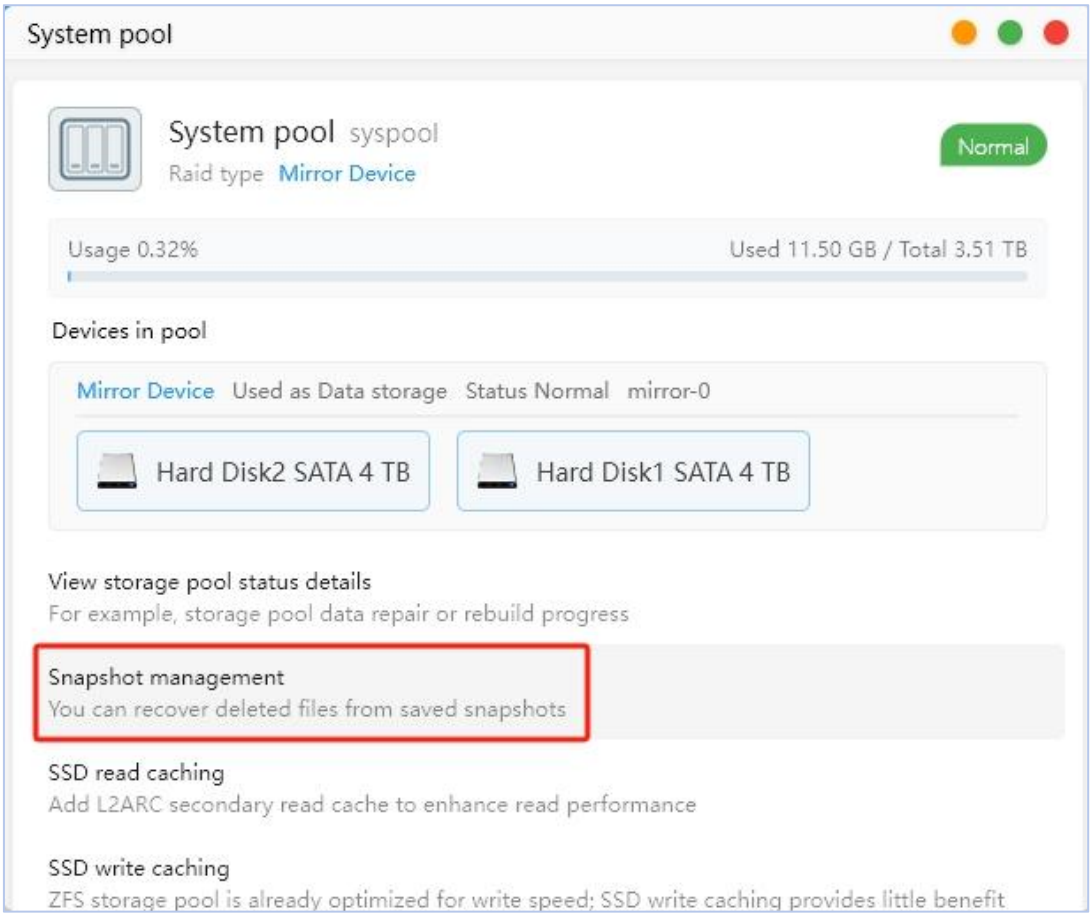
12. Storage Pool Management

12.1 Check the Storage Pool Status

· Click "Storage" on the homepage to access the storage pool management interface. This interface displays information such as the RAID type and capacity usage of the storage pool.



· After clicking "System Pool," you can perform additional operations on the storage pool.

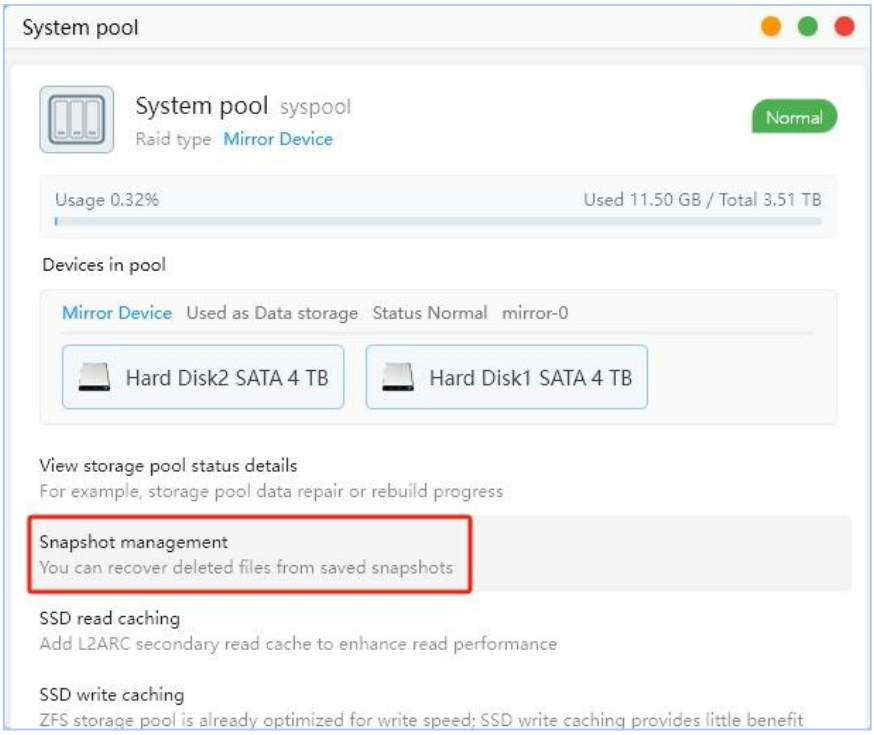


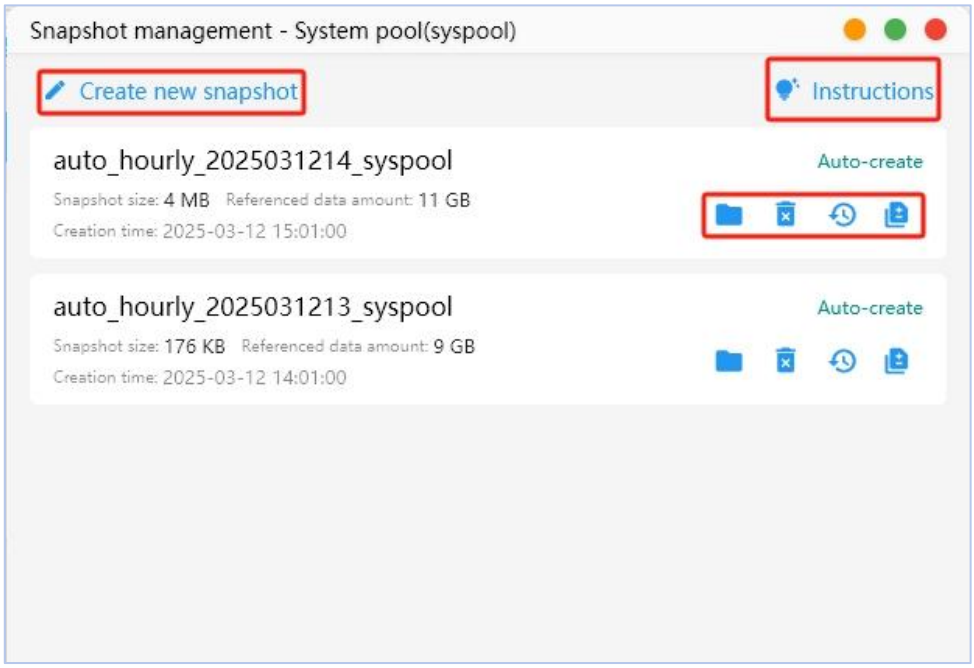
12.2 Snapshot Management

· **Automatic Creation:** After entering the storage pool management interface, click "Snapshot Management" to open the snapshot management interface. The current automatic snapshot mechanism creates one snapshot every 24 hours and daily snapshots for the past 7 days. This results in a maximum of 31 automatically created snapshots (24 hours + 7 days).

· **Manual Creation:** Click "Create Snapshot" in the upper-left corner of the management page to manually create a snapshot.

· Click "Description" in the upper-right corner to view the snapshot function description. You can also click the icon in the lower-right corner of a single snapshot to manage it, with options including: view files, delete snapshot, roll back snapshot, and view changes.

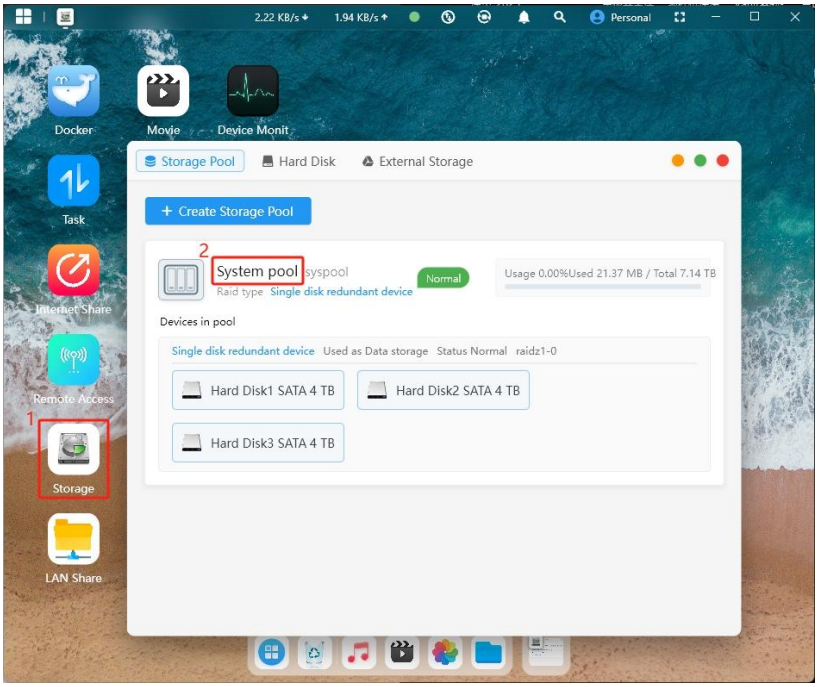

System pool
System pool syspool
Raid type Mirror Device
Normal
Usage 0.32%
Used 11.50 GB / Total 3.51 TB
Devices in pool
Mirror Device Used as Data storage Status Normal mirror-0
Hard Disk2 SATA 4 TB
Hard Disk1 SATA 4 TB
View storage pool status details
For example, storage pool data repair or rebuild progress
Snapshot management
You can recover deleted files from saved snapshots
SSD read caching
Add L2ARC secondary read cache to enhance read performance
SSD write caching
ZFS storage pool is already optimized for write speed; SSD write caching provides little benefit

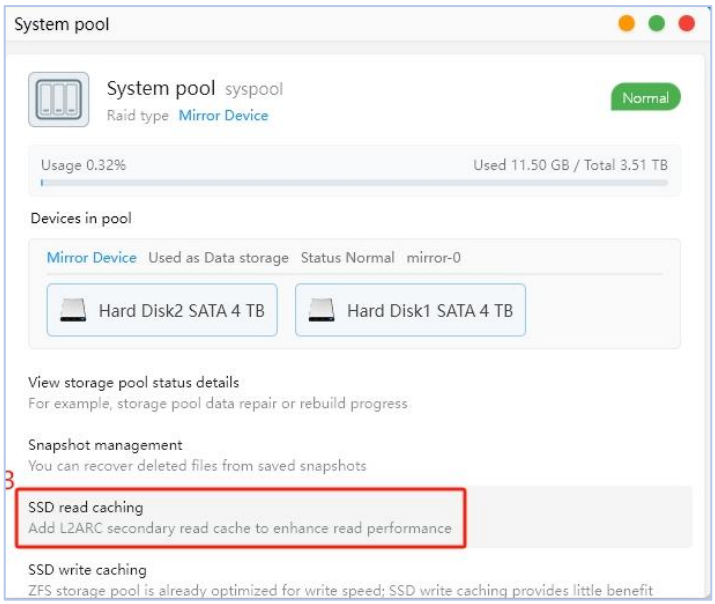

Snapshot management - System pool(syspool)
Create new snapshot
Instructions
auto_hourly_2025031214_syspool
Auto-create
Snapshot size: 4 MB Referenced data amount: 11 GB
Creation time: 2025-03-12 15:01:00
auto_hourly_2025031213_syspool
Auto-create
Snapshot size: 176 KB Referenced data amount: 9 GB
Creation time: 2025-03-12 14:01:00

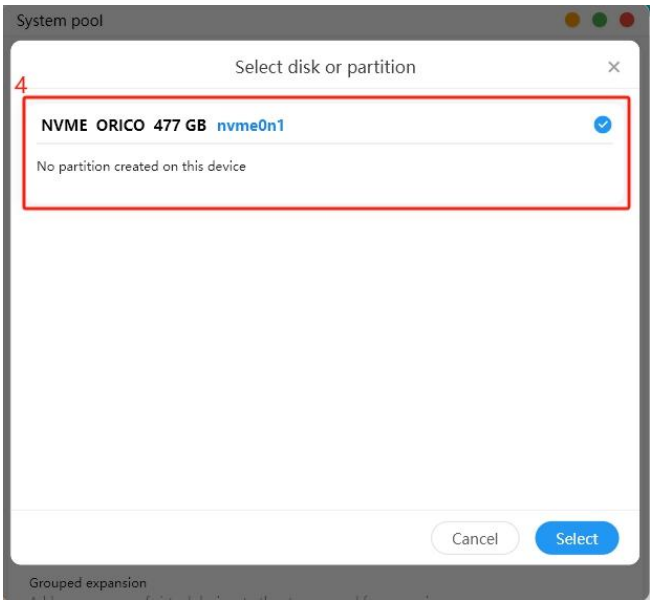
12.3 SSD Cache Acceleration

· Click "Storage Pool Management" on the homepage to access the storage pool management interface. Then, click "System Storage Pool" to enter the management interface of a single storage pool. Click "SSD Read Cache Acceleration" to add an acceleration disk.

· Select the M.2 hard drive you want to add, click "Select," and confirm to complete the addition.



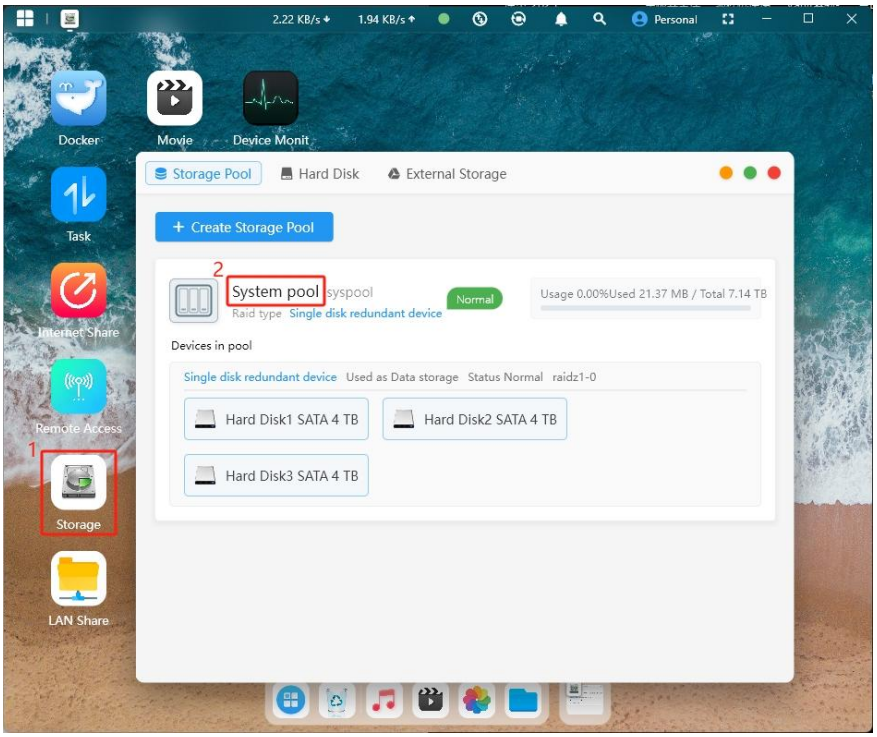


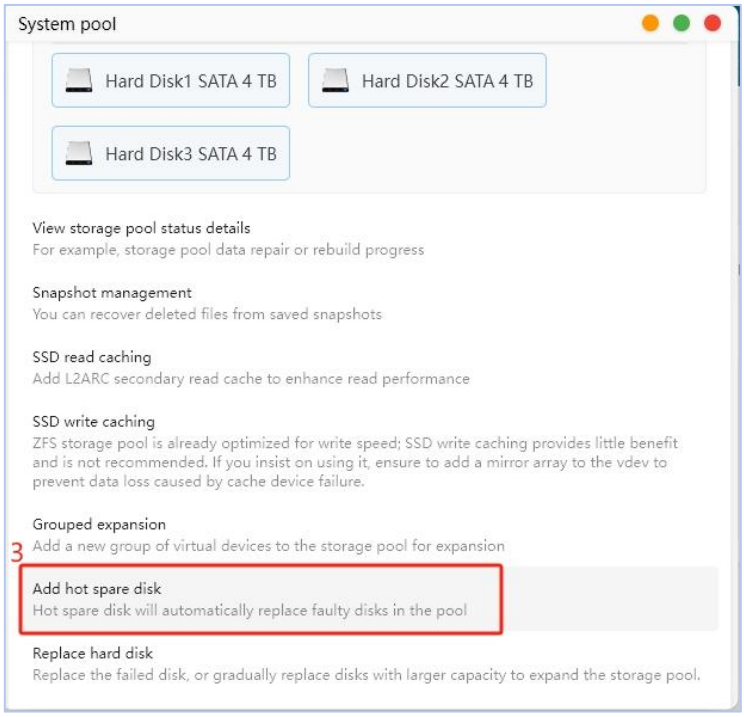


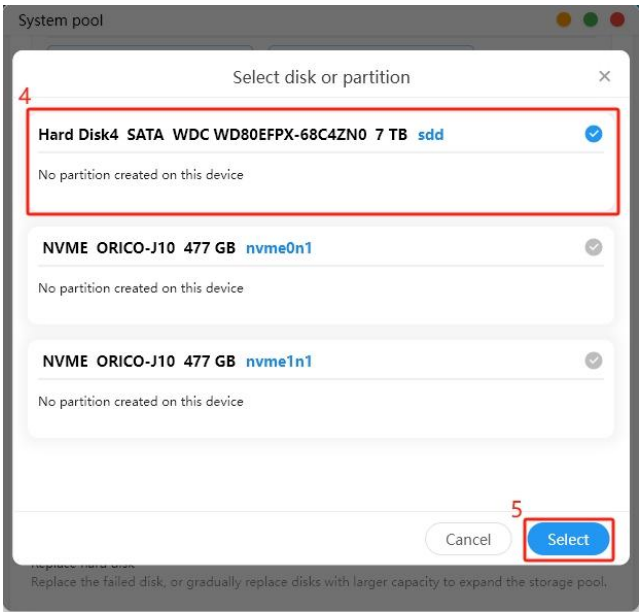
12.4 Add Hot Spare Disk

· Click "Storage Manager" on the homepage, then select the storage pool where you want to add a hot spare disk (e.g., "System Storage Pool") to enter the storage pool management interface.

· Select the hard drive you want to add as a hot spare disk, click "Select," and complete the addition.

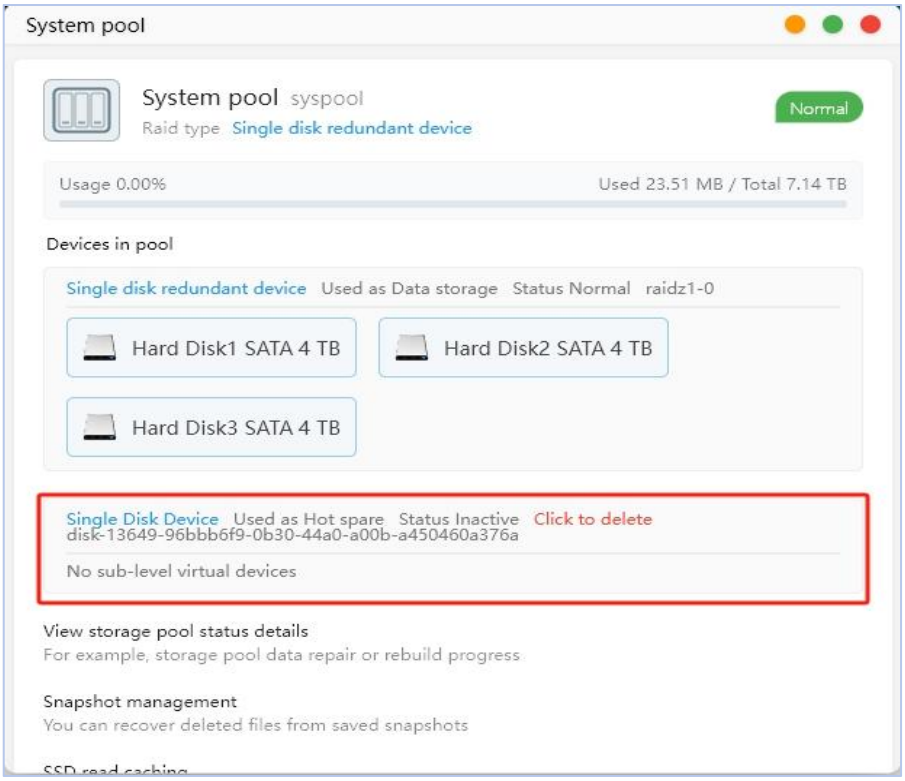






· After successful addition, the configured hot spare disk will be visible in the storage pool.

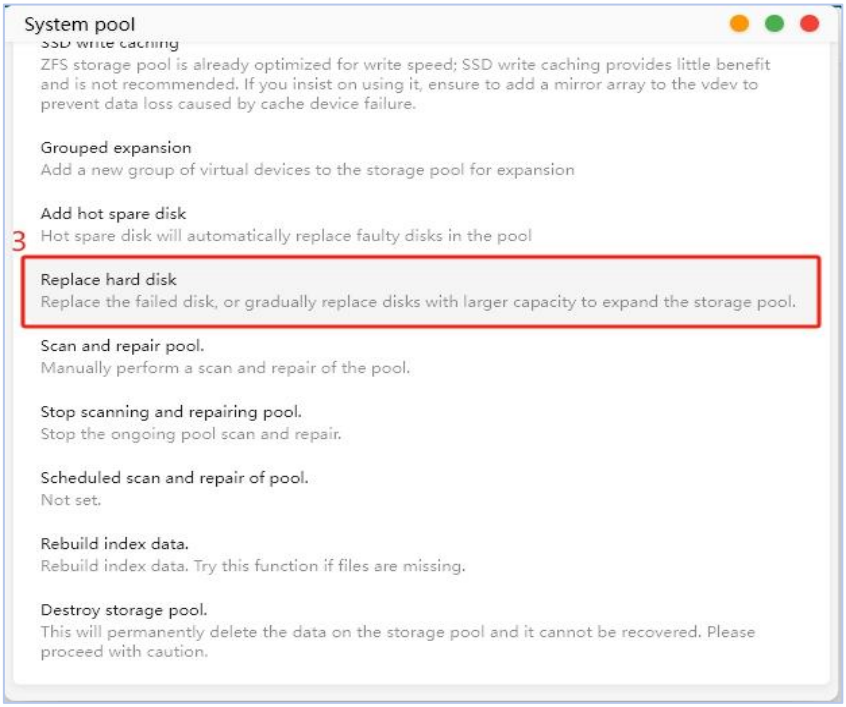
Note: Only storage pools that support the failure of one or more hard drives and have a RAID array configured can add hot spare disks!



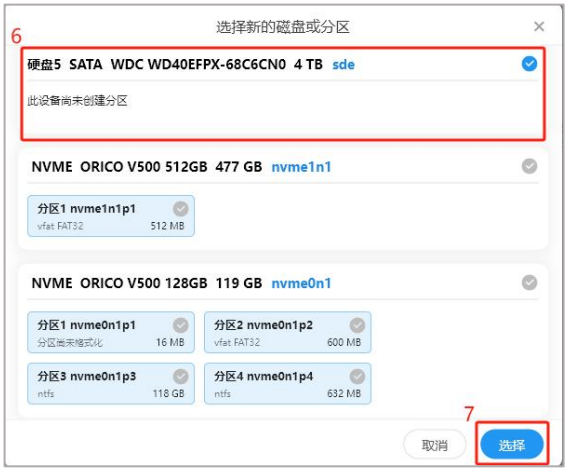
12.5 Replace Hrd Drive (For Capacity Expansion)

· Click "Settings" on the homepage, select "Storage Pool Management," and enter the storage pool management interface. Scroll down to see the "Replace Hard Drive" option.

· After clicking "Replace Hard Drive," select the hard drive to be replaced and click "Next," as shown in the bottom-left image.



· Select the new hard drive, click "Select," and complete the replacement, as shown in the bottom-right image.

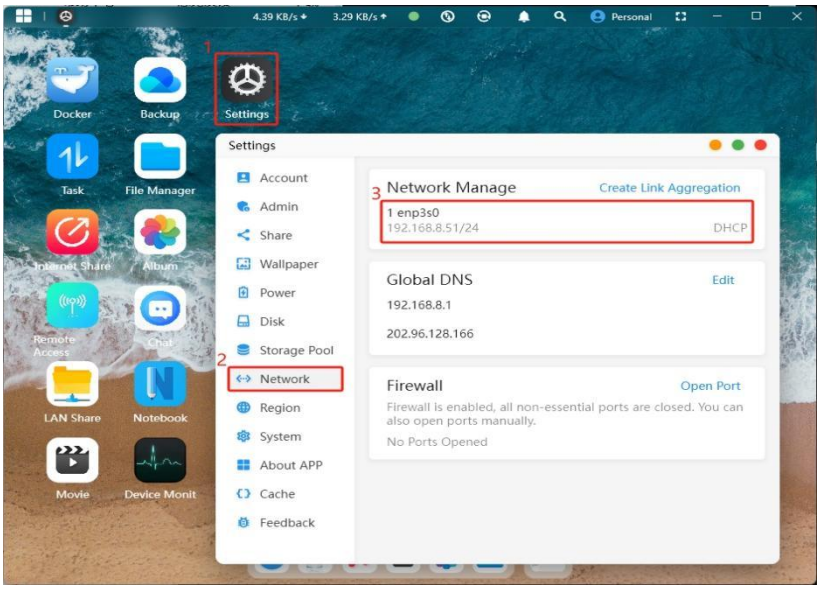


13. Network Management

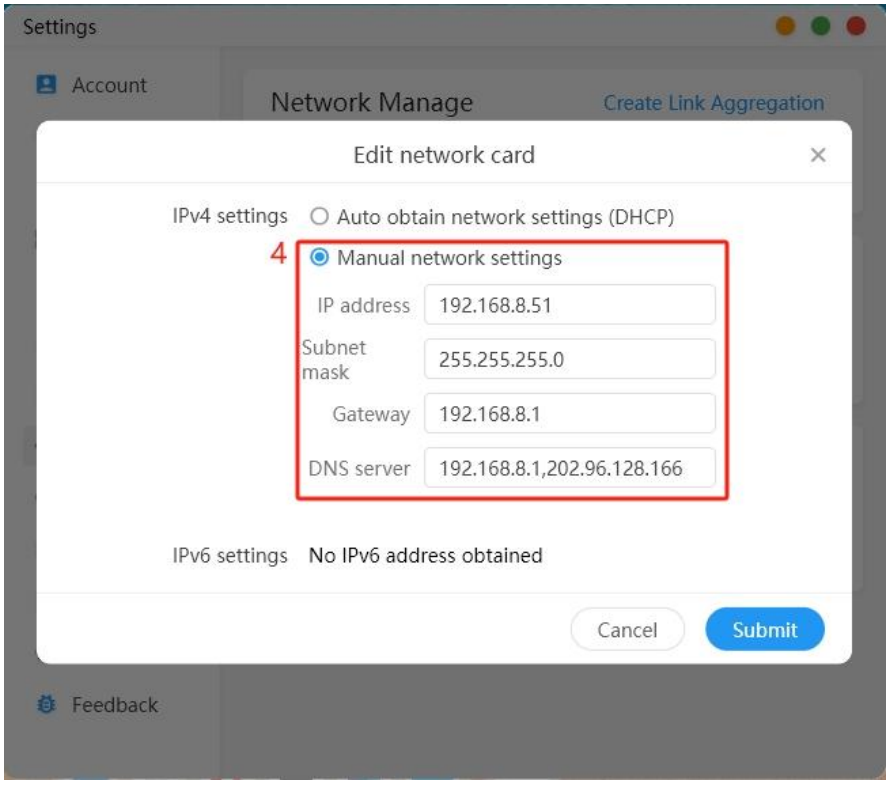
(Require Administrator Privileges)

13.1 Set Static IP Address

· Click "Settings" on the homepage, select "Network Management," and enter the network management interface. Click the network card that requires a fixed IP.

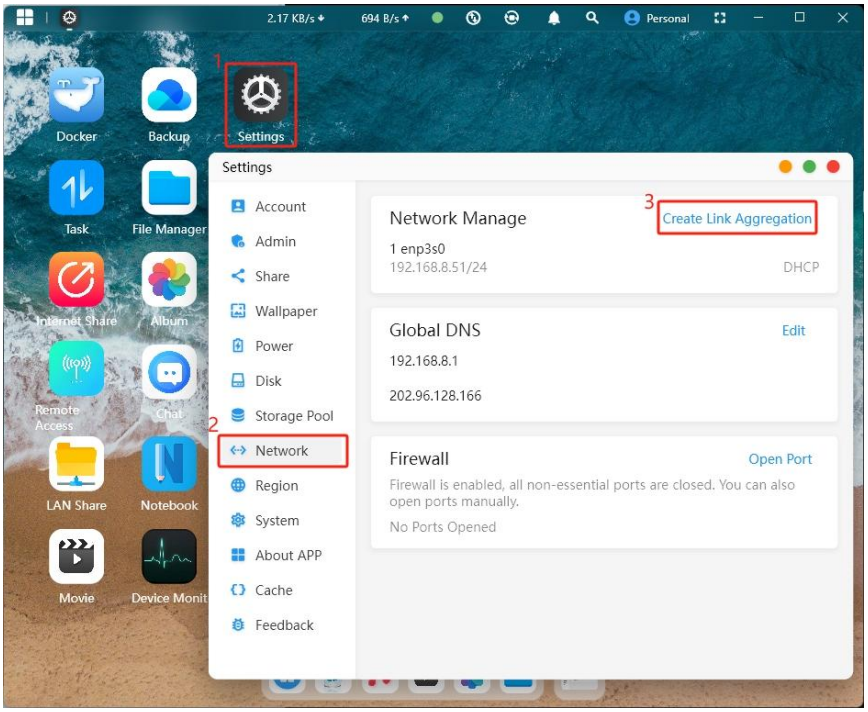


· Click "Manually Configure Network." The automatically obtained IP address information will be loaded by default. Generally, only the IP address needs to be modified, while other information remains unchanged. After making changes, click "Submit" to apply.

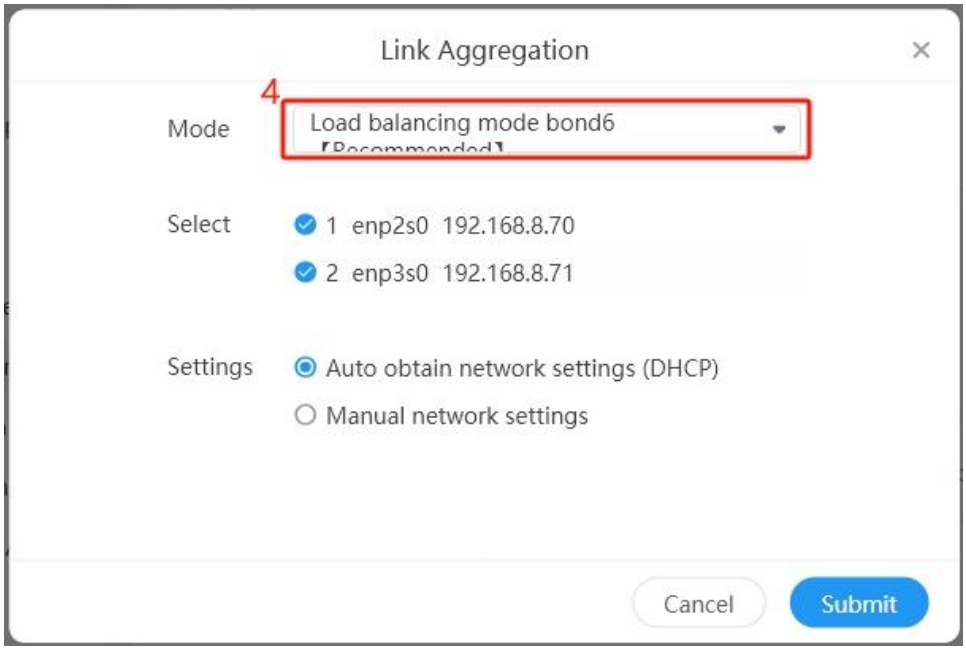


13.2 Create Link Aggregation

· Click "Settings" on the homepage, select "Network Management," and enter the network management interface. Click "Create Link Aggregation."



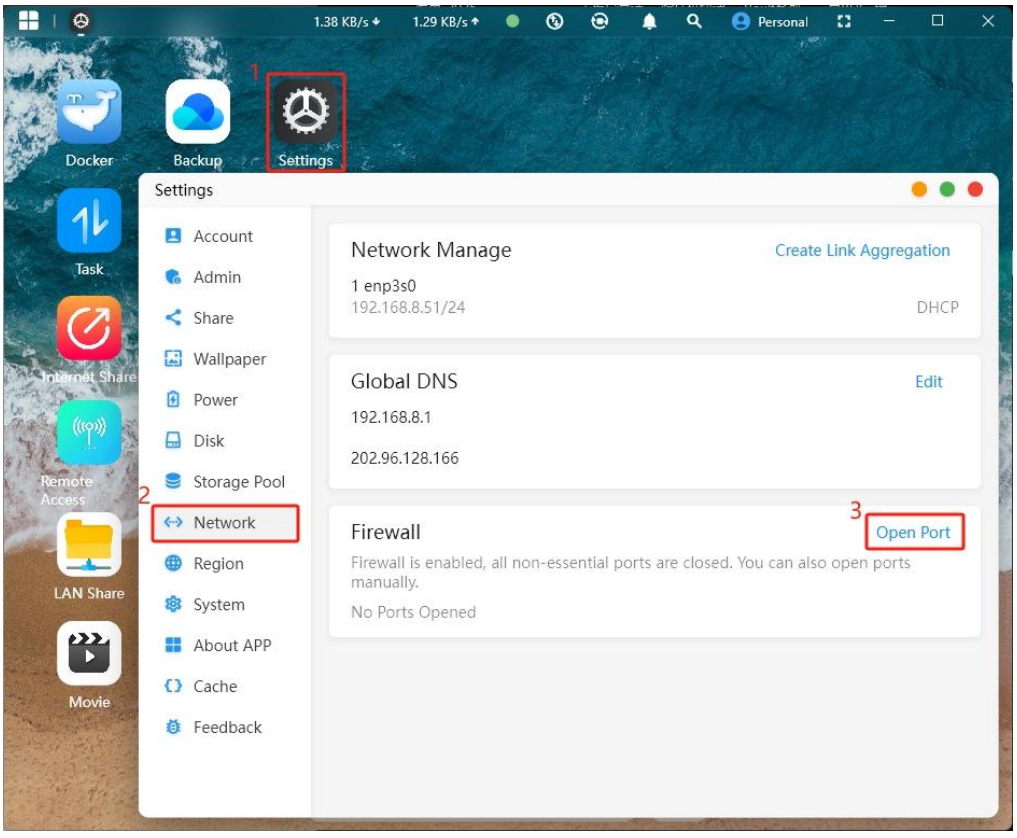
· Select the desired aggregation mode and click "Submit" to apply.

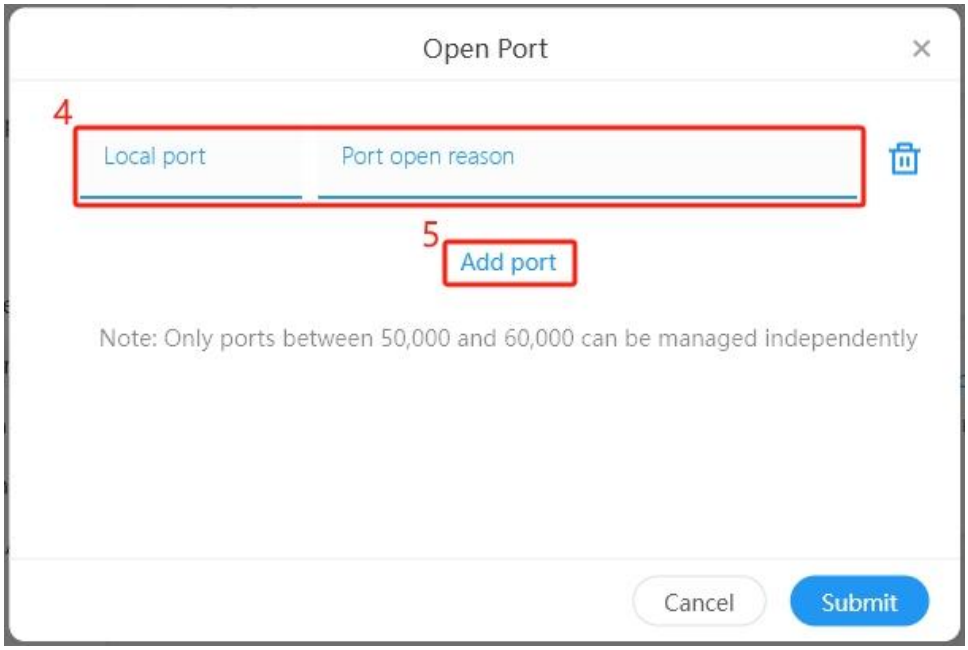


13.3 Network Port Settings

· Click "Settings" on the homepage, select "Network Management," and enter the network management interface. Click "Open Port" under the firewall to customize external ports.

· After setting the port, click "Submit" to apply.



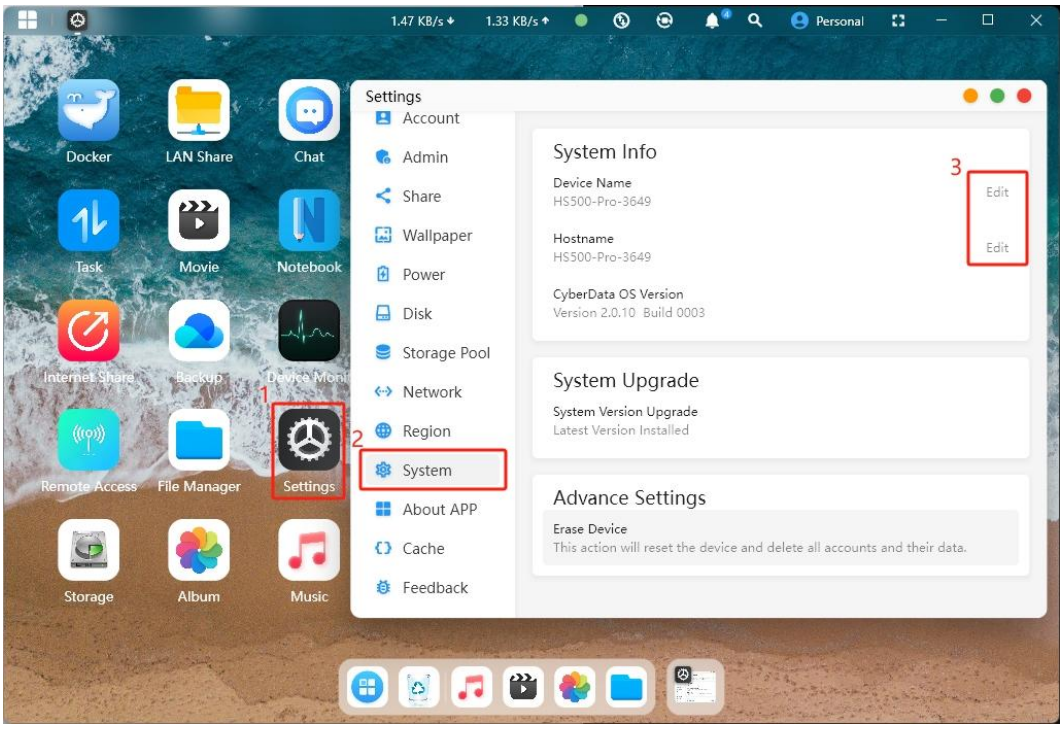


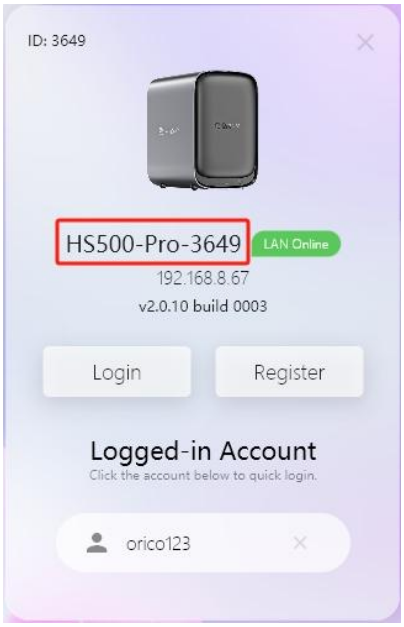
14. System Setup

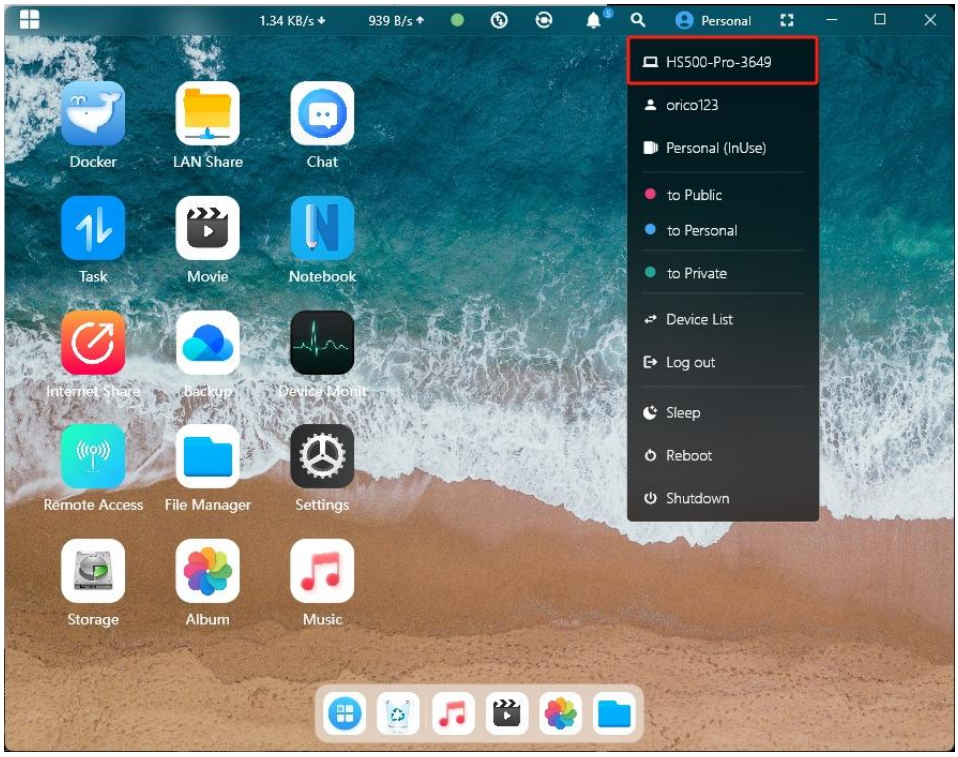
14.1 Edit Device/Host Name (Requires Administrator Privileges)

· Click "Settings" on the homepage, select "System Settings," and enter the system information interface. Click "Edit" next to the device name or host name to make changes.

· The device name is displayed on the login homepage, while the host name is the hardware's network hostname.

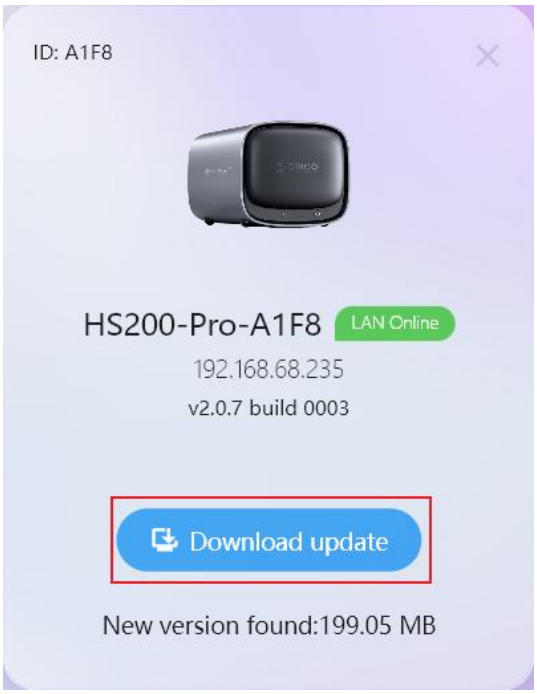




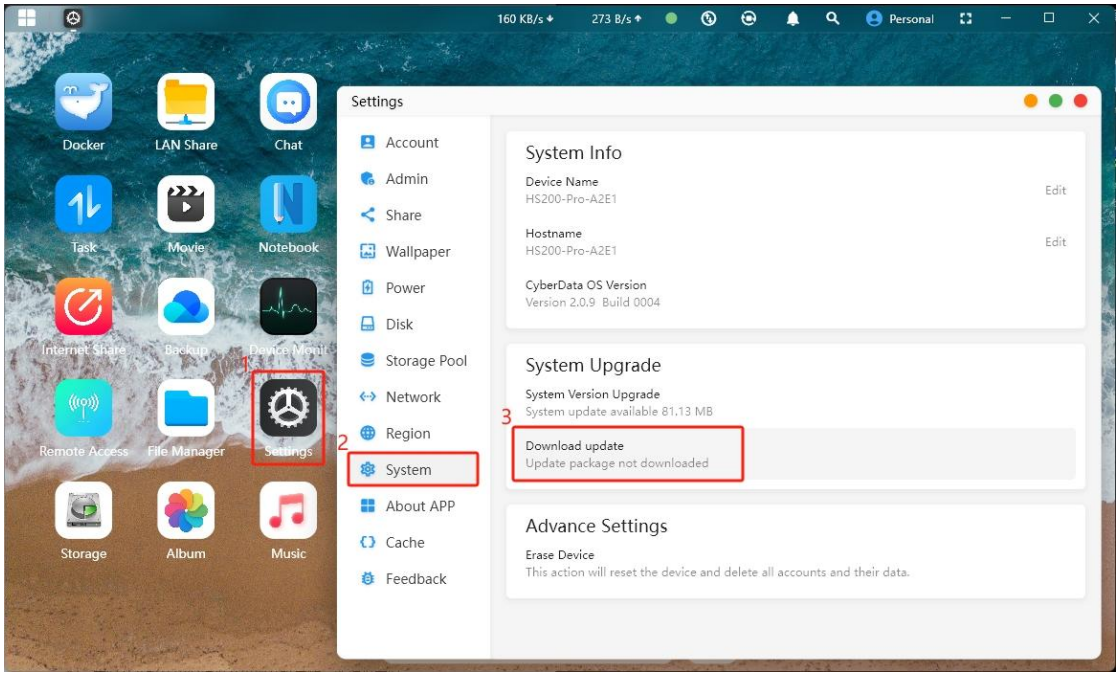


14.2 Check and Update System (Requires Administrator Privileges)

· If a new device has system updates, they must be installed before use.



· Click "Settings" on the homepage, select "System Settings," and enter the system information interface. If updates are available, the "System Update" interface will prompt you to download and install the update package.



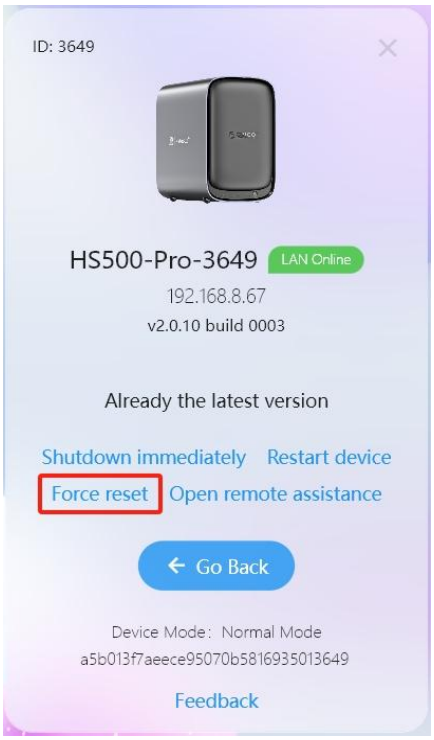
14.3 Device Reset/Data Erasure

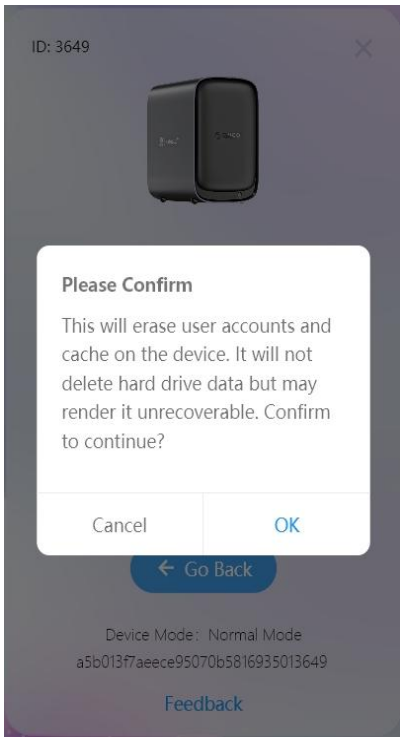
There are two methods for device reset/data erasure:

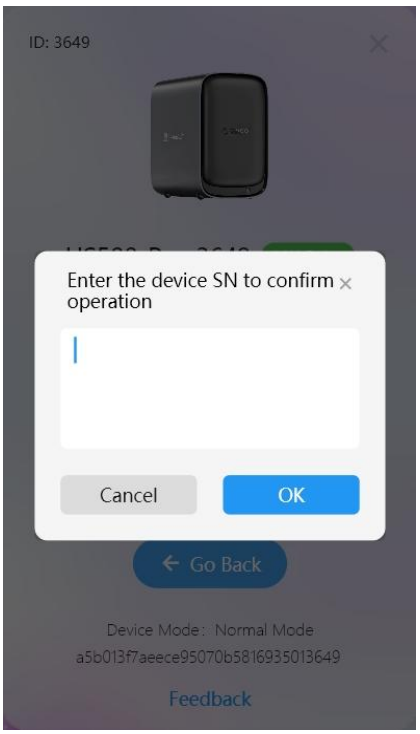
Method 1: Through the LAN Advanced Settings Interface

· On the device login interface, click the header image to enter the LAN advanced settings interface. Click "Force Reset" to complete the device reset.

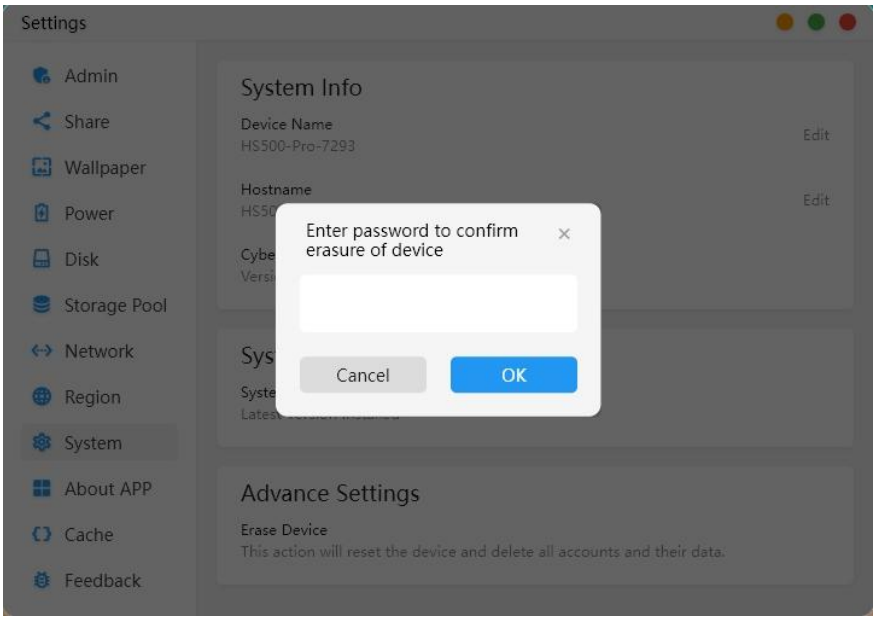
· The device's serial number (SN) is required for reset. The SN can be found on the device's label.

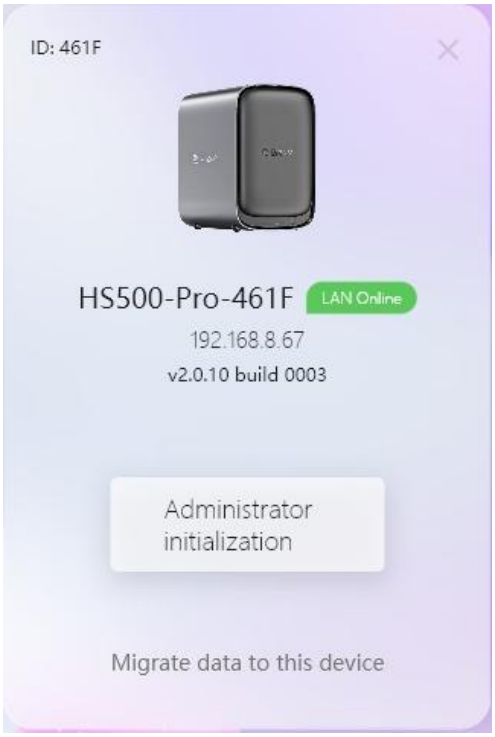






· After entering the correct SN, the reset will proceed. Once completed, the device will need to be re-bound and initialized.

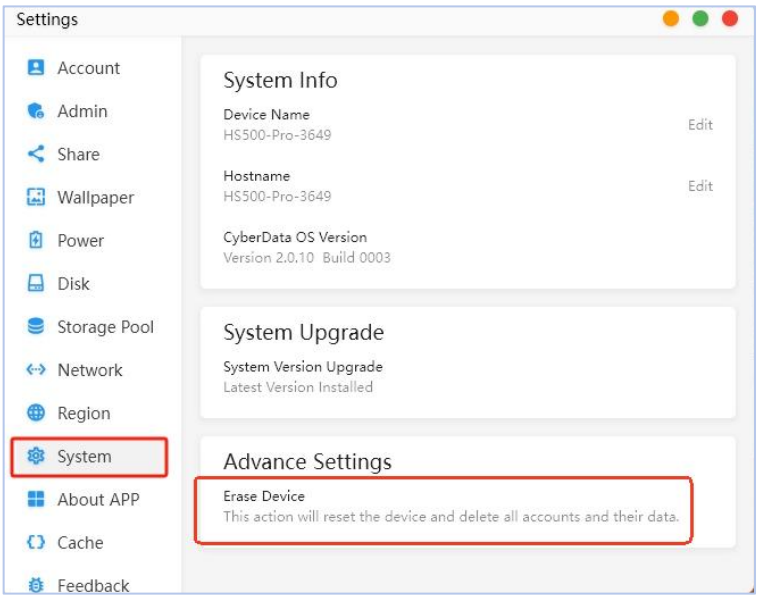


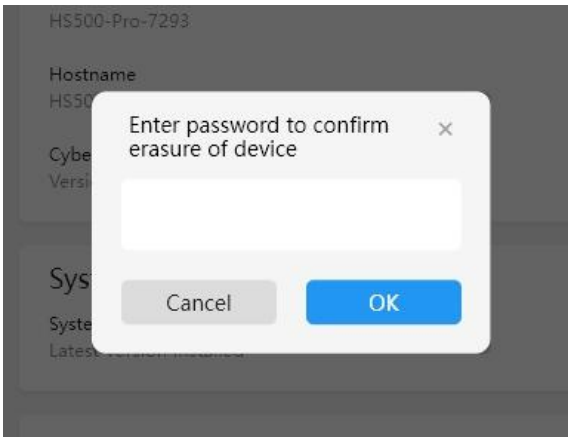


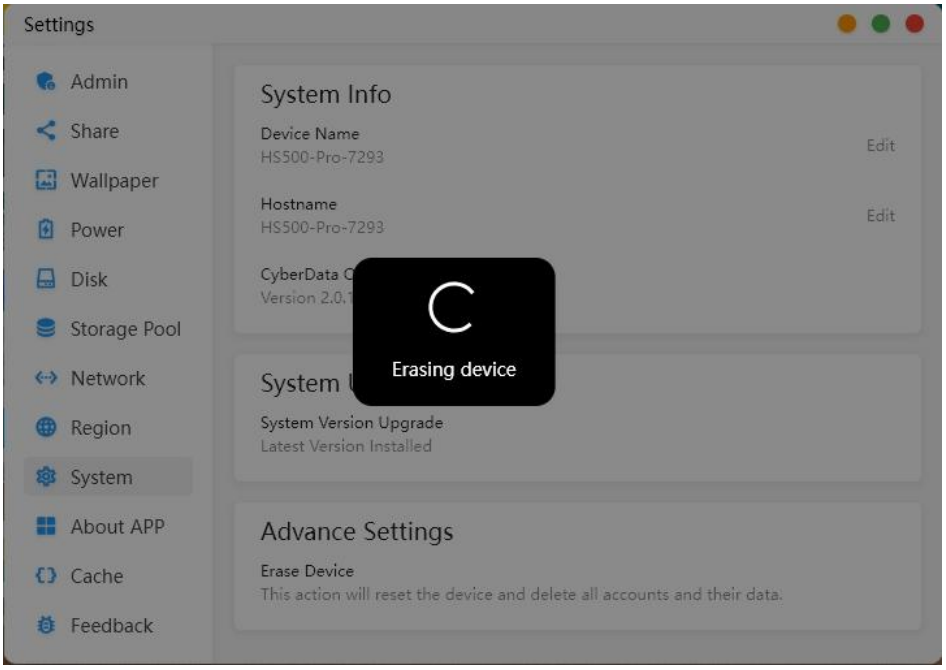
Method 2: Through Administrator Password

· Click "Settings" on the homepage, select "System Settings," and enter the system information interface. Under "Advanced Settings," click "Erase Device." Enter the password in the pop-up window and click "Confirm Erase."

· The device will enter the data erasure state. After erasure is complete, the device will be unbound.







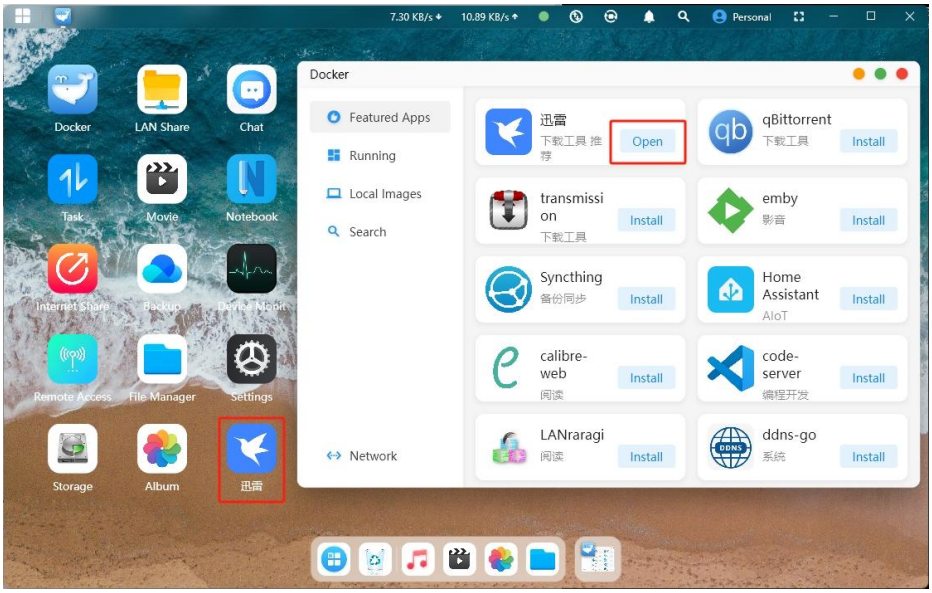
15. Other Applications

15.1 Docker

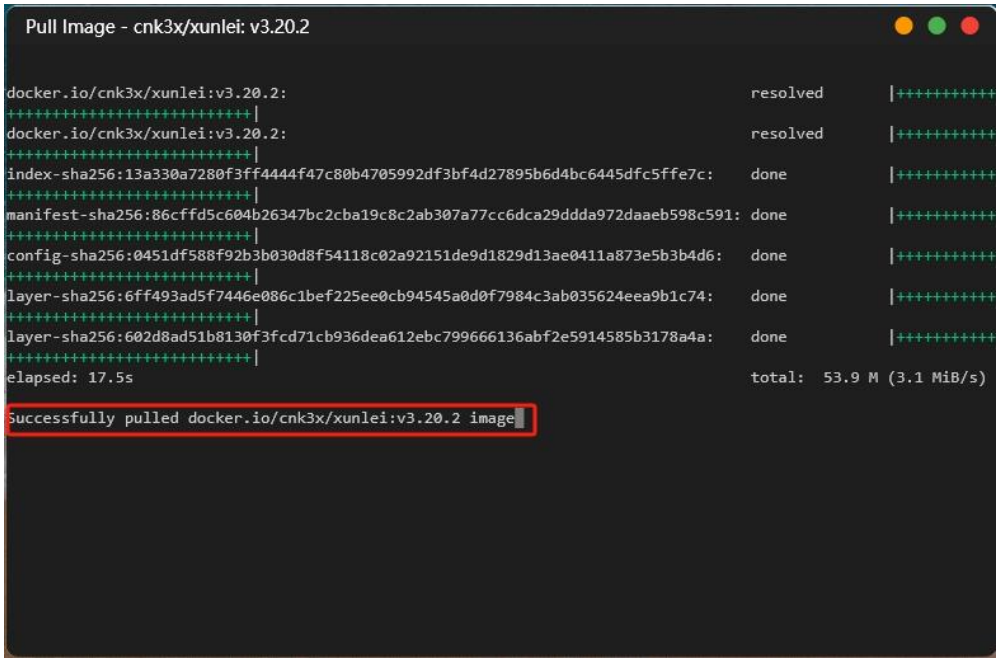
· Click "Docker" on the homepage to enter the Docker application interface.

· Under "Featured Applications," you can see Docker containers with default parameters pre-configured. Simply click "Install" to use them.

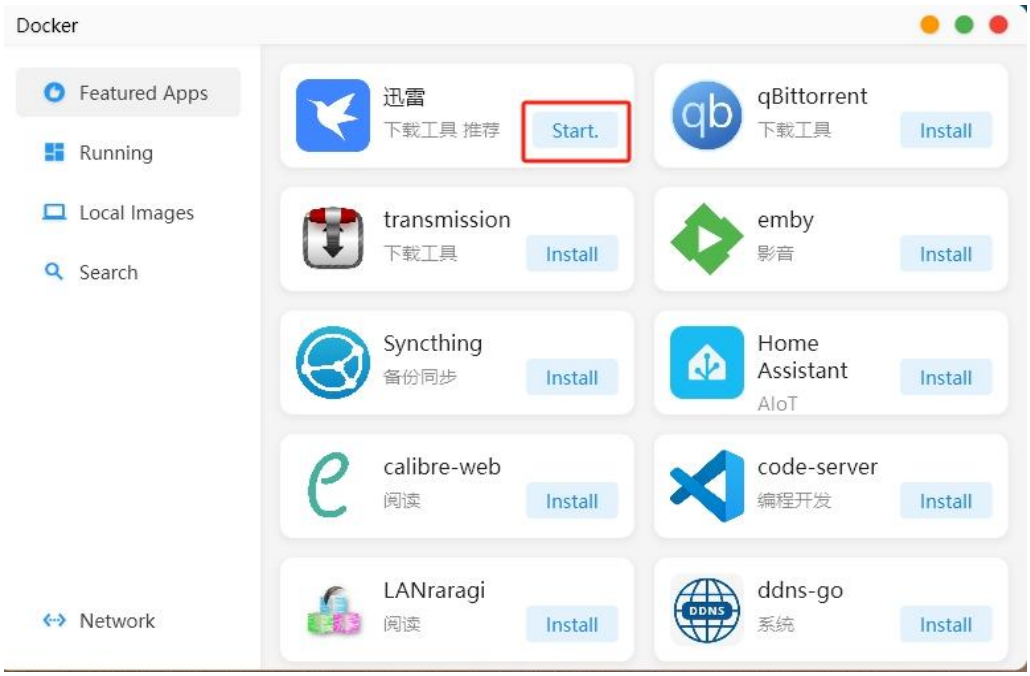
· Below is an example using Xunlei (Thunder). After clicking "Install" for Xunlei, a pop-up will indicate that the image is being pulled, as shown in the bottom-left image.

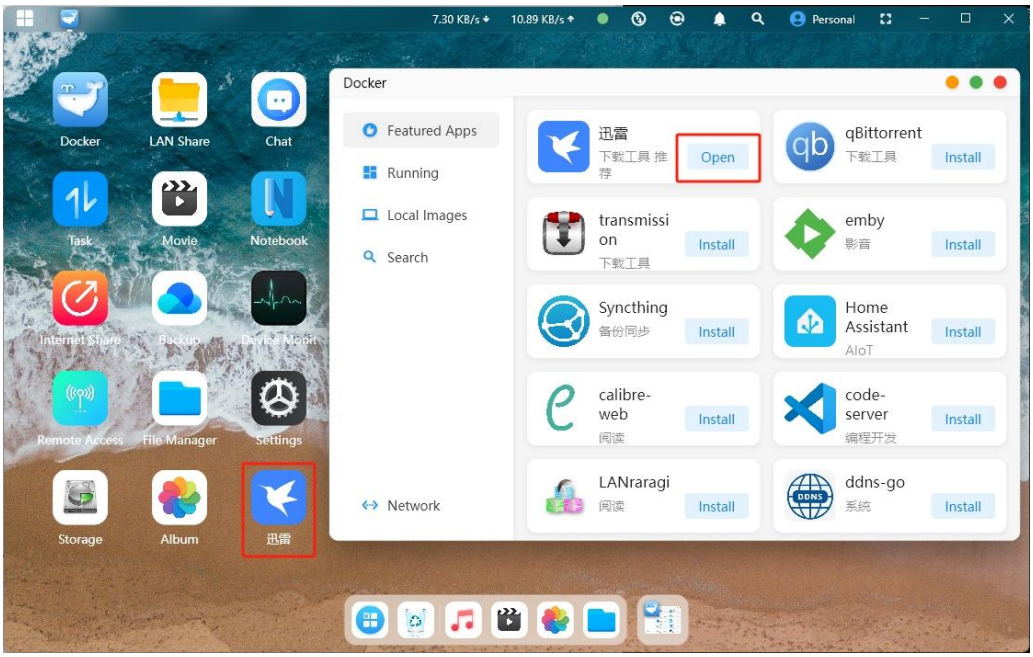


· Wait for the "Image Pulled Successfully" message, as shown in the bottom-right image, indicating that the container installation is complete.

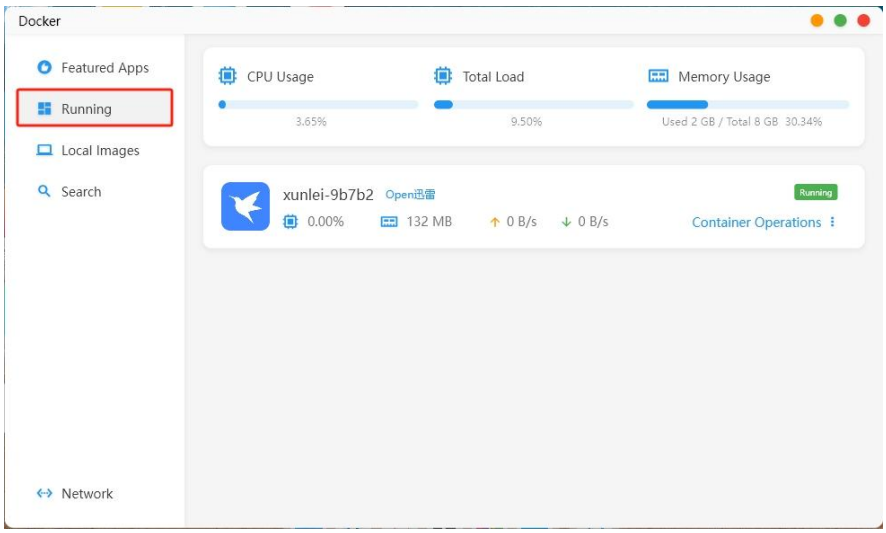


· The "Install" button will change to a "Start" button, as shown in the bottom-left image.
· After clicking "Start," the container will run successfully, and the button will change to "Open." A "Xunlei" icon will also be generated on the desktop, as shown in the bottom-right image.

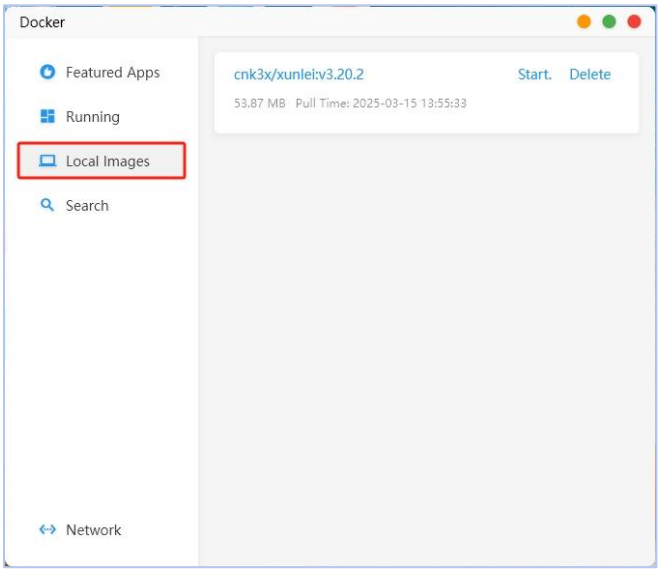


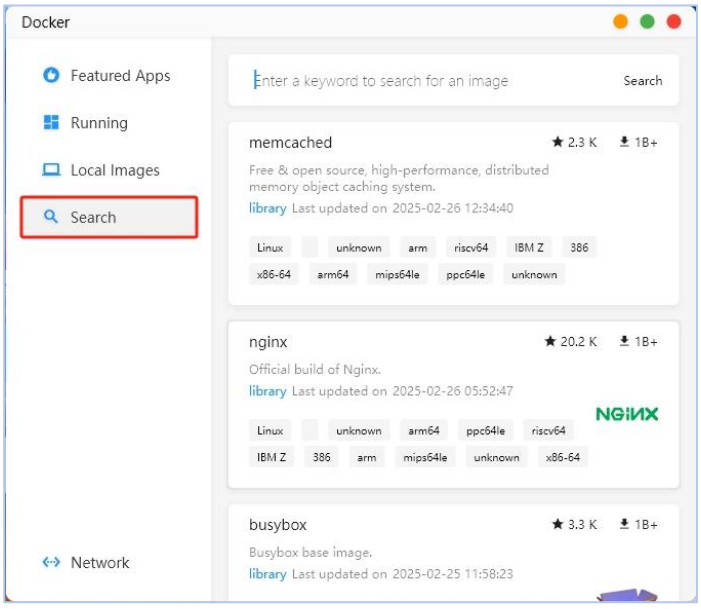


· Click "Open" to access the Docker container's operation interface via a browser. After logging in, you can use it. The container's status can be viewed under "Running."



· Under "Local Images," you can see the Docker container images that have been downloaded. "Image Search" allows you to search for and download the required images.

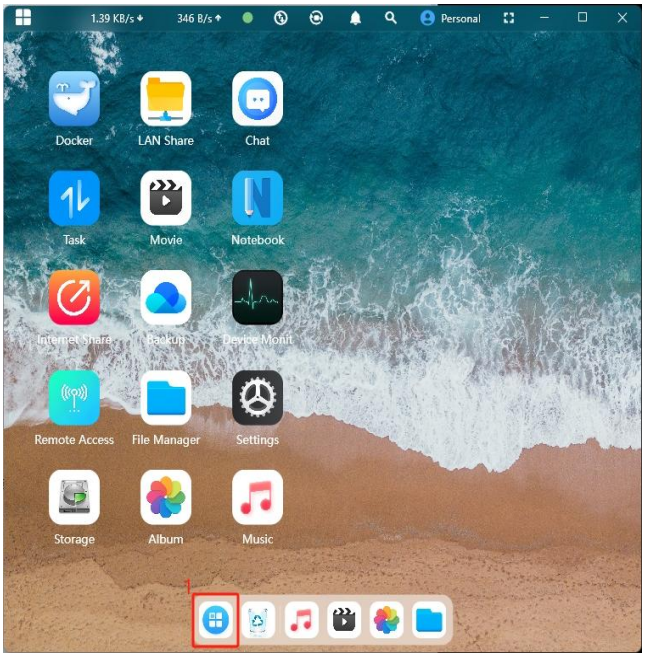


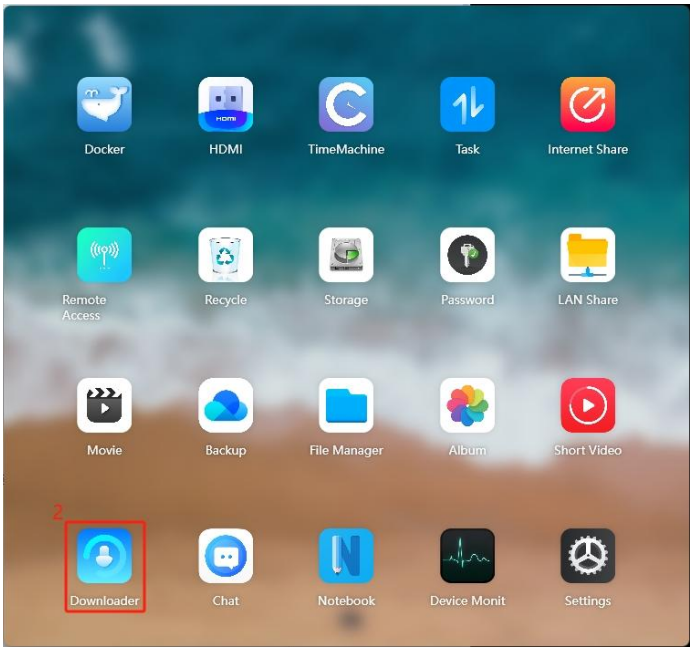


15.2 Offline Download

· Access the Offline Download Application

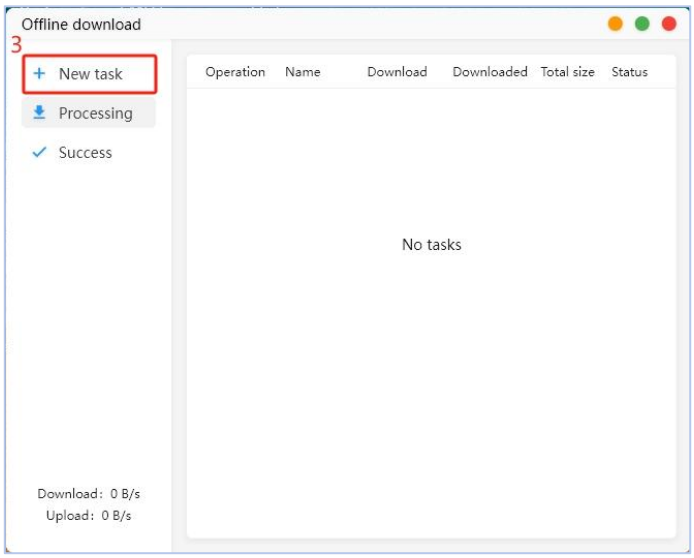
· Click on the "All Apps" icon on the home page to enter the application selection interface, then click to open "Downloader."

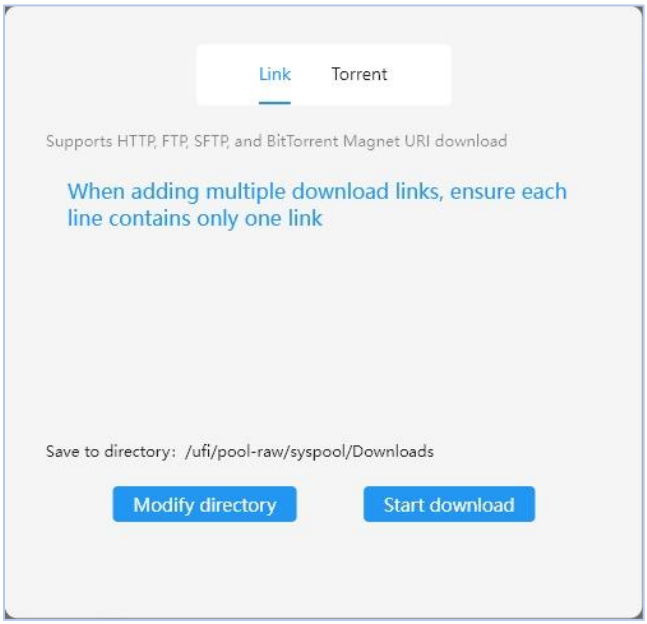
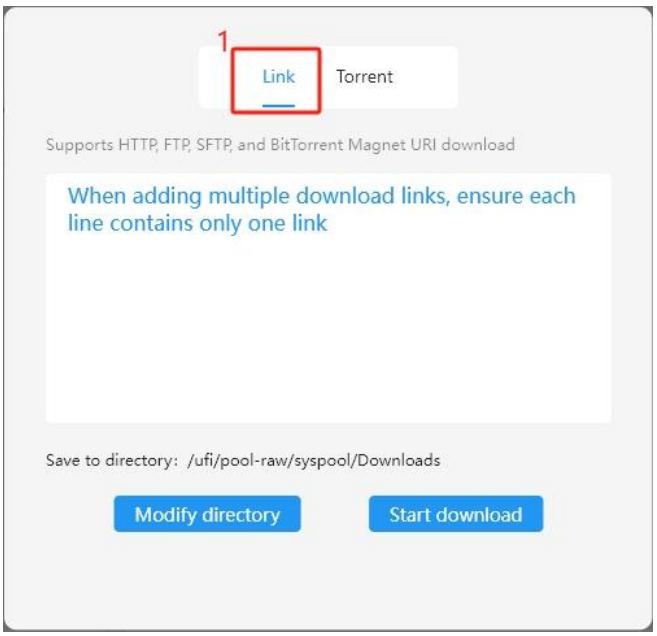
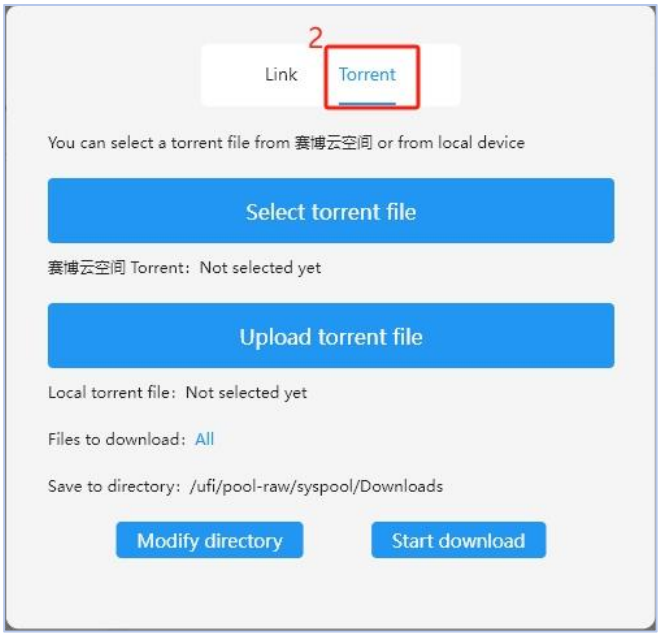




· Create a New Download Task

After clicking "New Task," the link download interface is displayed by default. Paste the download link and click "Start Download" to proceed. You can also modify the file's save path on this page.





· What Download Methods Are Supported? ---Llink download and torrent file download.