

### Welcome

Thank you for purchasing your Blackmagic Cloud Store.

The Blackmagic Cloud Store is a very fast high capacity network storage solution that's designed to handle large media files used on Hollywood feature films. The design uses advanced flash memory so it easily handles lots of simultaneous users. Plus it's extremely easy to set up!

The Blackmagic Cloud Store Mini has a portable rack mount design and features four internal M.2 cards in a RAID 0 configuration so it can sustain the maximum possible speed on its 10G Ethernet port.

Blackmagic Cloud Pod allows any USB disk to be shared on your network. That means you can use the USB disks you already have!

This instruction manual shows you how to get started with Blackmagic Cloud Store.

Check the support page on our website at <u>www.blackmagicdesign.com</u> for the latest version of this manual and for updates to your Blackmagic Cloud Store's internal software. When downloading the software, be sure to register with your information so we can keep you updated when new software is released.

We are continually working on new features and improvements, so we are keen to hear from you!

Grant

**Grant Petty** CEO Blackmagic Design

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# **Introducing Blackmagic Cloud Store**

The Blackmagic Cloud Store is a very fast high capacity network disk designed to handle large media files. Using advanced flash memory, Blackmagic Cloud Store handles many simultaneous users and is available in various storage capacities. With live sync, files can be distributed between multiple units globally for very fast local file access, even on lower cost internet connections. Blackmagic Cloud Store includes four 10G Ethernet connections with Ethernet switch, RAID 5 data protection and redundant power supplies.



## **Blackmagic Cloud Store Mini**

The Blackmagic Cloud Store Mini is a fast network storage solution in a compact rack mount design with 8 TB of flash memory. It features a high speed 10G Ethernet connection and four internal M.2 flash memory cards operating in parallel RAID 0 for fast file access.

-	-
Blackmagic Cloud Store Mini 8TB	Blackmagicdesign
	0

## **Blackmagic Cloud Pod**

The Blackmagic Cloud Pod lets you turn any USB-C disk into network storage. For example, sharing a media disk recorded on a camera with multiple users on your network.



# **Getting Started**

To get started with your Blackmagic Cloud Store, all you need to do is plug in power and connect to a network.

## **Plugging in Power**

Connect power to Blackmagic Cloud Store using a standard IEC power cable.



When power is connected, a soft light will illuminate from the underside of the unit



On Blackmagic Cloud Pod, connect power using the supplied 12V DC power adapter

## **Connecting to a Network**

For the fastest file transfer speeds, connect a 10G Ethernet connector from your cloud store to a port on your 10G network switch. We recommend using CAT 6A Class E or F network cables for longer cable runs. If you have a 1G network switch, connect using your cloud store's 1G Ethernet connector.

## What is 10G Ethernet?

10G Ethernet is a very fast Ethernet connection used in the latest Ethernet switches capable of transferring data at up to 10 Gb/s. 10G Ethernet is perfect for video workflows where files are typically very large.

1G Ethernet connectors are provided for slower connections such as the internet or slower computers. They are part of your cloud store's built in Ethernet switch and help keep the faster 10G ports free.



**TIP** If your computer does not have a 10G Ethernet port but has a Thunderbolt 3 port, you can plug in using a Thunderbolt 3 to 10G Ethernet adapter. This means you will get faster transfer speeds than you would via a 1G Ethernet port. These adapters are also available as PCIe cards that you can install in your computer.

## **Accessing Storage**

To access storage on a Mac computer:

- 1 Open Finder and click on 'network' in the sidebar menu.
- 2 Double click on your Blackmagic Cloud Store in the list.
- 3 Now double click on internal storage.

Your Blackmagic Cloud Store will now appear in the locations sidebar.

To access storage on a Windows computer:

- Click on the 'Network' menu item in File Explorer sidebar. You will see your Blackmagic Cloud Store listed.
- 2 Double click on your cloud store and a Windows security dialog box will appear asking for network credentials.
- 3 Set the username and password to 'guest'.

**NOTE** If your computer fails to connect, your cloud store may belong to a Windows workgroup. Use 'workgroup\guest' as your username and 'guest' as your password to log into your storage.

4 Click 'OK'.

You will now see your cloud store in the File Explorer window and can access the storage like any other network drive.

Alternatively, you can access your storage from the setup utility. On a Mac computer click the 'Show in Finder' button. On a Windows computer this button is 'Show in File Explorer'.

## Monitoring

The HDMI monitor output lets you see the status of your cloud store in real time. Simply plug in a TV or monitor. You can see a storage map, speed graphs, sync, active users and power status. For more information, refer to the 'HDMI monitor output' section.

That's all there is to getting started! Keep reading this manual for information about how to sync to your online services, set sync folders and direction, plug in USB drives and more.

# **Adding Syncs**

The first step to adding syncs is to download and install Blackmagic Cloud Store Setup from the Blackmagic Design support center at <u>www.blackmagicdesign.com/support</u>

After installing the software, launch Blackmagic Cloud Store Setup and click on the settings icon to open the settings for your cloud store. The sync settings are located in the 'cloud sync' tab.

## **Setting Date and Time**

Cloud services such as Dropbox or Google Drive require the correct date and time to sync to your Blackmagic Cloud Store. By default, your cloud store will use the Cloudflare NTP server to automatically set the date and time.

Date and Time			
	Set date and	time automatically	
Network Time Protocol (NTP):	time.cloudflare.	com	Set
Date and Time:	10 Feb 2023	2:32 am	
Time Zone:	UTC	•	$\oplus$

To sync your online account with Blackmagic Cloud Store all you need to do is sign into your online account using the cloud sync settings, set the folder you want to sync to and set the sync direction.

## Sign into Dropbox and Google Drive

- 1 Click on the 'sign in' button for the Dropbox or Google Drive account. A sign in window will appear.
- 2 Sign into Dropbox or Google Drive.



A confirmation message will indicate that you have successfully connected. If the connection failed, check your computer is connected to the Internet.

3 You can close the browser window.

## Sync Folder and Direction

- 1 After signing in, you will see an 'add sync location' window appear in the setup utility.
- 2 Name the sync location and click on the folder icons to point to your desired sync folders. These would typically share the same name.
- 3 Select the sync direction. For example, if you are syncing to Dropbox and you want to sync files from your cloud store to Dropbox but not from Dropbox to your cloud store, select 'from cloud store to Dropbox'.

Sync location name:	Documentary	
Cloud Store folder:	Cloud Store Mini/Media	
Dropbox folder:	Dropbox	
Syncing direction:	<ul> <li>Both ways</li> <li>From Cloud Store to Dropbox</li> <li>From Dropbox to Cloud Store</li> </ul>	
	Cancel	Add

#### 4 Click 'add'.

Your online server account is now synced to your Blackmagic Cloud Store.

peter smith@gmail.com	Add Sync	Sign out
Used 200 of 440 TB		
Documentary	<u>⊼</u> ±	20% 🛛 🖓
Documentary Footage, 23 of 1,023 Files	6.3	2 of 30.6 GB (1h)

Status indicators provide information about the sync process

5 If you want to add additional sync locations to your account click on the 'add sync' button.

Blackmagic Cloud Store I Cloud Store Mini	Mini	
Setup <b>Cloud Sync</b> Storage		
For Media Files: O Sync bot	h originals and proxies xies only	
Cloud Services		
Propbox Sync peter_smith@gmail.com Used 200 of 440 TB	Add Sync	Sign out
Google Drive Sync	Add Sync	Sign in
Backup		
Connect externa	al drive to backup.	
Show in Finder	Cancel	Save

The sync arrows show the sync direction. A blue arrow shows that data is being sent from your cloud store and a yellow arrow shows that data is being received. If data is being sent and received at the same time, then a blue and yellow arrow will be displayed. A gray arrow indicates when data is not being synced in that direction.

The percentage figure to the right of the sync arrows shows the current status of the sync progress.

Click on the 'edit sync' indicator to change the sync location name.

Click on this indicator to delete the sync location. In the confirmation dialog box, click 'continue' to confirm or 'cancel' to abort the deletion.

## Backup

By connecting a USB disk to Blackmagic Cloud Store or Cloud Store Mini, you can store local backups of your data. Any external disk or disk array that connects via USB-C can be used and will continue to be updated for as long as the disk is connected to your Cloud Store.

To start the process of backing up your cloud store:

Plug a formatted USB drive into Blackmagic Cloud Store's 'backup' USB-C port, or into the rear USB-C port on Cloud Store Mini. The drive will appear in the 'backup' section of Blackmagic Cloud Setup's 'cloud sync' page.





2 Click on the 'add backup' button.

Setup	Cloud Sync Storage		
	For media files: O Sync bo	oth originals and proxies roxies only	
Cloud Servic	es		
😍 Di	ropbox Sync	Add Sync	Sign in
🔥 G	oogle Drive Sync	Add Sync	Sign in

3 In the 'add backup location' window, type a name for the backup. This would typically be the same name as your source folder.

	Add Backup Location	
Backup name:	Footage Backup	
Cloud Store Mini folder:	Cloud Store Mini/Footage	
	Cancel	Add

- 4 Click the cloud store folder icon and select the folder on your cloud store that you want to back up. Your cloud store will create a new folder on your external drive using the name of the folder selected.
- 5 Click 'add'.

Your cloud store will now back up all the files in the cloud store folder to your external drive backup folder. Backup sync will automatically update any time you make changes to the original files on your cloud store.

#### **Deleted Files**

While synced, any deleted files on your cloud store will not be deleted from your external drive. Instead, the cloud store utility will create a folder in the external drive labelled 'deleted files' and move the deleted files into this folder. This is useful when files need to be recovered that may have been deleted by mistake, or the project requirements change and you need to use those files again.

#### Older Files

When files are overwritten, the original files are also moved to a new folder within the external drive named 'older files'. This means if you need to recover an overwritten file, you can easily restore it.

### USB Disk Space

If the external USB-C disk doesn't have enough free space to accommodate the backup, a warning will be displayed. The backup will continue until the external drive is full.

Used 200 of 200 GB, Not enough space		Add Backup
Footage Backup	$\overline{\uparrow}$	50% 🛛 🗹 📿
Documentary, 232 of 284 Files		

## Ingest

Blackmagic Cloud Store's ingest feature lets you automatically copy files from external USB-C media to your Cloud Store's internal storage. For example, you can ingest media from a USB-C drive or from a camera card connected using a card reader.

To ingest files:

1 Connect your external media to your Cloud Store's 'ingest' USB-C port.



2 Your connected media will appear in the 'ingest' section of Blackmagic Cloud Store Setup's 'cloud sync' page.

	Cloud Sync Storage	
	For media files: <b>O</b> Sync bo	oth originals and proxies oxies only
loud Ser	vices	
¥	Dropbox Sync	Add Sync Sign in
4	Google Drive Sync	Add Sync Sign in
Backup	Connect extern	al drive to backup.
Backup	Connect extern	al drive to backup.
lackup ngest	Connect extern	al drive to backup. 👲 51%
ngest	Connect extern Seagate 2TB Seagate 2TB, 134 of 284 File	al drive to backup. <b>± 51%</b> rs 305 of 607 GB (7m)

3 Your Cloud Store will automatically begin copying the files from the external media to its internal storage into a folder named to match your media. For example, if you have plugged in a CFast card with camera files in a folder named 'A001', cloud store will save them to an internal folder named 'A001'.

•••	< > A001		88	:=		000 ~	··· ~	₾	0	Q
Favourites Locations  Blackmagic Cloud Store_TW  Network  Tags  Red  Orange Yellow  Green	Biackmagic Cloud Store_TW Connected #3: Guest Connect As	Other Files	3		A001	>	0.7			11
• Drug		0 items, 3	7.72 TB av	ailable						

**NOTE** If the drive you have connected has the same name as a folder within the cloud store, a new folder will be created with the same name and a number appended on the end. For example, if the existing folder is called 'A001' and the drive you plug in is the same name, a new folder will be created labeled 'A001-01'.

# **HDMI Monitor Output**

The monitor output provides a comprehensive overview of the storage status, plus all user activity in real time. This section of the manual includes information about the different panels and graphs.



## Storage Map

The storage map shows a graphic representation of the memory core and where the read and write access is happening for the connected users.



The cells represent storage sectors being written to and read. Each cell will change color as it fills with data, for example a cell will start gray to represent an empty sector then change to purple and brighten as it fills with data.

The orange cells represent data being written and the blue cells represent data being read.

## **Cloud Sync Panel**

The cloud sync panel shows all the syncs you have added. Blue arrows indicate data is being synced to your online folder and the orange arrows indicate data syncing from your online folder to your Blackmagic Cloud Store.

Storage space indicators are visible under the online location name and the panel will expand as more syncs are added.



## **User Activity Panel**

This panel shows all connected users and their data being synced. For example, the panel identifies the user and the speed of their connection. Read and write activity is displayed together with a continuously updating graph with a 60 second activity history.



## **Data Rate Graphs**

The data rate graphs display the read and write data rate over a 6 second period. Orange information represents data being written and blue represents data being read.



### **Hardware Panel**

This panel displays the cell size for each sector on the storage map.

USB drives plugged into Blackmagic Cloud Pod will also appear here. The power supply indicators display the status for AV and DC power inputs.



The Internet icon confirms your cloud store is connected to the Internet so syncs can be performed.

## **Error Messages**

This section shows the different error messages that may appear in the hardware panel and what they represent.

Sync Errors	
No Internet	Check that your Internet is connected.
You have been logged out of your online folder	This may appear when your online folder has been connected for a long period of time and has automatically disconnected. All you need to do is log back into your online account using the cloud sync settings in the Blackmagic Cloud Store Setup utility.
Cannot connect to online server	This can appear if there is a problem with your Internet connection. Check that your Internet is connected and your network settings are correct.
Invalid online login information	This may happen if your credentials have been changed for your online account. To solve this error, simply log back into your account using the Blackmagic Cloud Store Setup utility.
Disk is full	Your cloud store's internal storage is full and you will need to delete files to make room.
Storage is full	Your online account has run out of space and you will need to delete some files to make space to enable syncs.
Cannot find online sync folder	This can happen when the sync folder has been deleted or renamed.
Set to read only	Your cloud store has been set to read only mode. Disable read only mode using the setup utility.
Disk Errors	
<b>Disk Error</b> Unable to connect to drive in USB-C DISK 1	The USB disk plugged into port 1 is not formatted using exFAT or HFS formats. You can format the disk using a Mac or Windows computer. Refer to the 'formatting USB drives' section.
No Local Drive Attached Connect drive via USB-C	This will appear if there is no USB drive plugged into Blackmagic Cloud Pod.

<b>Disk Failure</b> Replace disk 1	Blackmagic Cloud Store Mini has 4 internal disks in a RAID format and in the rare event a disk fails, an error message will report the disk number. The example shows that disk 1 has failed and needs to be replaced.
<b>Disk Requires Format</b> Format disk via Cloud Store Setup	After replacing a disk in Blackmagic Cloud Store Mini you will be prompted to format the disk using the Blackmagic Cloud Store Setup utility.
<b>Disk Failure</b> Replace disk B5	In Blackmagic Cloud Store, the internal storage disks are arranged in banks. In the rare event a disk fails, this error will identify the bank and slot number.
Disk Requires Rebuild Rebuild disk via Cloud Store Setup	After replacing a disk in Blackmagic Cloud Store, rebuild the disk array using the Blackmagic Cloud Store Setup settings. This will recover the RAID so you can continue working without losing data.
Disk Error Unable to connect to drive in USB-C BACKUP	This will appear if the USB drive plugged into the backup connector has not been formatted using exFAT or HFS formats. Refer to the 'formatting USB drives' section for more information.

# **Ejecting your Cloud Store**

You can eject the Blackmagic Cloud Store the same way you would eject a USB drive on your computer's operating system. For example, once you have started writing and reading files on a Mac, an 'eject' icon will appear next to the Blackmagic Cloud Store's name in the Finder sidebar. Simply click on the eject icon and your cloud store will be ejected. This makes sure no new files are written and you can safely remove the drive.

If there are multiple users accessing the drive on your network and you need to power the unit down, or disconnect from the network, it's important that each user ejects the Blackmagic Cloud Store from their computer.

# Blackmagic Cloud Store Setup

The Blackmagic Cloud Store Setup utility contains all the settings for your Blackmagic Cloud Store including naming the unit and updating the internal software.

Download the latest Blackmagic Cloud Store software from the Blackmagic Design Support Centre at: <u>www.blackmagicdesign.com/support</u>



## **Home Screen**

The home screen is the primary page you will see when you launch the software. All connected Blackmagic Cloud Store units on your network are accessible and if you have more than one unit connected, you can select the desired unit by clicking on the left or right arrows.

The indicators at the bottom of the home screen display the total storage capacity, amount of space used, the network connection status, plus the current maximum data rate. If the number representing space used is purple you can read and write to the storage. If the number is blue then storage access is set to 'read only'.

The icons near the unit's name indicate when the unit is connected to your computer via Ethernet or USB. Click on the settings icon to open the settings for your cloud store.

# **S**ettings

The settings in Blackmagic Cloud Store Setup are arranged in three tabs. These include 'setup', 'cloud sync' and 'storage'.

## Setup

Setup settings let you change the name of your cloud store, set the date and time, change network settings and displays the current version of your cloud store's internal software.

Setup Cloud Sync Stor	rage	
Name:	Cloud Store Mini	Set
Language:	English 💌	
Software:	Version 1.1.3	
Date and Time		
	Set date and time automatically	
Network Time Protocol (NTP):	time.cloudflare.com	Set
Date and Time:	10 Feb 2023 3:18 am	
Time Zone:	UTC 💌	0
Network		
Network location:	Cloud-Store-Mini.local	
Protocol:	O DHCP	
	Static IP	
IP Address:	192.168.1.106	
Subnet Mask:	255.255.255.0	
Gateway:	192.168.1.1	
Primary DNS:	8.8.8.8	
Secondary DNS:	8.8.4.4	
Allow utility administration:	🕖 via USB	
	via USB and Ethernet	
Reset		
	Factory Reset	

#### Name

Naming your Blackmagic Cloud Store is helpful if you have more than one unit connected to your network and you need to identify them individually.

#### Language

Use the language setting to change the language used on the HDMI monitor output.

#### Software

Displays the current version of your cloud store's internal software.

#### Date and Time

You can set your Blackmagic Cloud Store's date and time automatically using network time protocol.

To set the date and time automatically using network time protocol, select the checkbox. This will use the default Cloudflare NTP server, but you can also set it manually.

To set the date and time manually, deselect the checkbox and use the contextual menus. Clicking the location icon will automatically set the time zone to match your computer's.

#### **Network Settings**

Blackmagic Cloud Store can connect to the network using a static IP address or by using DHCP.

DHCP will automatically set an IP address for your cloud store and connect to the network without the need to change any settings.

The dynamic host configuration protocol, or DHCP, is a service on network servers and routers that automatically finds your Blackmagic Cloud Store and assigns an IP address. DHCP makes it easy to connect equipment via Ethernet and make sure that IP addresses do not conflict with each other. Most computers and network switches support DHCP.

Select static IP if you want to set the IP address yourself, simply set the protocol setting to 'static IP' and change the IP settings manually. A static IP address is one that won't change even if your Blackmagic Cloud Store is rebooted.

Using a static IP address might be necessary if you are connecting to a corporate network. If you have a network administrator, it's possible your network might have custom IP addresses for all the equipment connected to it. It's best to check with your network administrator if they are managing your computers and network in your company.

#### Allow utility administration

Enabling the 'via USB' setting removes the risk of anyone on the network making accidental settings changes by limiting control to the computer the unit is connected to via USB.

### **Cloud Sync**

Use the cloud sync settings to add syncs and set how the Proxy Generator application syncs proxy files. The Proxy Generator application is installed when you install the Blackmagic Cloud Store software.

	For Media Files: O Sync both orig	inals and proxies nly
ud Servic	es	
pe Us	ropbox Sync ter_smith@gmail.com ed 200 of 440 TB	Add Sync Sign out
Docume	ntary	₹≝ 20%   🗹 🤇
🗎 Docu	mentary Footage, 23 of 1,023 Files	6.2 of 30.6 GB (1h
RAW Foo	otage	<b>⊼</b> ≰ 51%   ⊠ G
🗎 URSA	Mini Pro_02, 134 of 284 Files	0.6 of 1.6 GB (5m
Camera	01 RAW	⊼±100%   ⊠ ऽ
🕒 Com	oleted 2022-01-03 17:49, 10,245 Files	
<b>6</b>	oogle Drive Sync	Add Sync Sign in

#### Media Files

These two radio buttons let you decide whether to sync both proxy and original files, or to only sync proxy files.

For more information refer to the 'Proxy Generator' section in this manual.

#### **Cloud Services**

Use the cloud services pane to sign into online account and add syncs.

### **Storage**

#### Enable Read Only

The storage settings include a checkbox to enable read only and a factory reset button. When the storage requires formatting, a format indicator will appear.

uu store	e Mini		
Setup	Cloud Sync	Storage	
Setup	Cloud Sync	Storage	

Check this option to set your Blackmagic Cloud Store's storage to 'read only'. When enabled, no additional files can be written to the drive.

#### Format

Occasionally, it may be necessary to format your Blackmagic Cloud Store's internal storage. Your cloud store will let you know when formatting is required by displaying a 'format required' message on the home page.

7.12 / 8.00 TB	FORMAT	±0.00 ⊼0.00
READ ONLY	REQUIRED	OFF

It's worth noting that formatting the internal storage will delete all files stored on the drive. We recommend copying them to another drive before formatting.

To format the internal storage:

- 1 Click the 'format drive' button and then click 'format'.
- 2 In the first confirmation dialog box, click the 'format' button.

Format		
Format Cloud Store M Formatting will permanently era	l <b>ini</b> ase all your files. Thi	s cannot be undone.
	Cancel	Format

- 3 A second dialog box will ask you to confirm your selection. Click 'erase' to start the formatting process, or click 'stop' to exit without formatting.
- 4 A percentage indicator will display the formatting progress.

#### **Factory Reset**

The factory reset button lets you restore your Blackmagic Cloud Store to its factory default state. Any files that you have stored on the unit will not be changed.

## **Proxy Generator**

Proxy Generator is an application that automatically generates proxy files for source files located in watch folders. A watch folder can be any folder on your cloud store or disk connected to your computer. All you need to do is tell Proxy Generator where the watch folders are, click 'start', then the application runs in the background while you work.

×	E	Blackmagic Proxy Generator Lit	te	
Processing				
Proxy Format				
	Create proxies in	H.264 8 bit 4:2:0 Half Res 1080p H.264 8 bit 4:2:0 1080p H.265 10 bit 4:2:0 1080p ProRes 422 10 bit 4:2:2 1080p		
Watch Folders				
🗄 🖶 Media	Rushes_0			Waiting
				0 B Required
Add	Remove	Show	Delete Proxies	Extract Proxies

Set your watch folder and proxy format and when new files are added to the watch folder, proxy files will be automatically generated

The Blackmagic Proxy Generator is included with DaVinci Resolve Studio, but there is a lite version that's included with the cloud store products. The difference is the Blackmagic Proxy Generator included with DaVinci Resolve Studio includes all the camera codecs that DaVinci Resolve Studio supports.

However due to licensing limitations, the Blackmagic Proxy Generator Lite included with the Blackmagic Cloud Store products uses the codecs built into your computer's operating system. This means on Windows, ProRes proxies are disabled. Plus other formats could be disabled unless the HEVC video extensions download is purchased from Microsoft.

## **Adding Watch Folders**

A watch folder is constantly monitored by the application and when new files are added to that folder, proxy files are created and saved in a subfolder named 'proxy'.

Favorites	$\langle \rangle \square \bullet$	000 ~	Proxy	٢		Q Search
A Macintosh HD	Rushes_01	>	🕮 A003_062001.braw	A003_062C001.mov		
⊖ Drive_01	Rushes_02	>	A003_062002.braw	A003_062C002.mov		
Network			Proxy >			
farre						
Red						
Orange						
• Yellow						
Green						
Blue		11		11	11	
Purple	New Folder					Cancel Open

Proxy files will be saved in a 'proxy' subfolder automatically created in your watch folder

You can add as many watch folders as you want, but it is important there is enough free storage space to store both the original media files and the new proxy files.

When launching Proxy Generator for the first time, the application will automatically prompt you to add a watch folder.

1 Locate an existing folder and click 'open', or create a new one by clicking 'new folder'.

Favorites	< > ≡ • 8	🗄 🗸 📗 Cloud Stor	re Mini	Search	
<ul> <li>Recents</li> </ul>	Name	Size	Kind	Date Added	~
Applications	> Footage		Folder		
Desktop	> 🚞 Media		Folder		
Documents	> Creenshots		Folder		
Ownloads					
Locations					
Cloud Store Mini	≜				
Network					
Tags					
• Red					
Orange					
Yellow					
Green	New Folder			Cancel	Open

2 After the folder has been selected or created, it will appear in the 'watch folders' pane.

Watch Folders		
	Folder	
🗄 🖶 Media	Rushes_01	Waiting

3 Add additional watch folders by clicking the 'add' button. You can also drag and drop folders into the watch folders pane.



To remove a watch folder, select the folder in the list and click on the 'remove' button.



**TIP** Click the 'show' button to open the watch folder in your computer's file browser.

You can observe the status of all your watch folders and change their order of priority by dragging and dropping them into different positions. The information beneath your watch folders list displays how much storage space is required to store the proxy files.

## **Setting the Format**

Set the proxy file codec and format you want to use by clicking on the appropriate radio button. You can choose H264, H265 and Apple ProRes codecs.



All you need to do now is click the 'start' button in the processing pane. If you want to stop the process at any time, just click the 'stop' button.

Processing 3 of 5: No	lumes/Media/Rushes 01/A002 05241837 0	C028 copy.braw	
			(Stop)

## **Managing Proxy Files**

There are two options available to help manage your proxy files once processing has been stopped.

#### **Delete Proxies**

This option deletes all proxy files and the proxy folder from the selected watch folders.

#### **Extract Proxies**

This option copies all proxy files from the selected watch folders to a new destination. The following instructions show how to extract proxy files.

1 In the watch folders pane, click on the folder that contains the proxy files that you want to extract and then click 'extract proxies'.

Watch Folders		
	Folder	
🗄 🚍 Media	Rushes_01	Completed
🗄 🚍 Media	Rushes_02	Completed
🗄 🚍 Media	Rushes_03	Completed
		0 B Required
Add Ren	nove Show Delete Proxi	es Extract Proxies

2 Select a location to copy your proxy files to and click 'open'. A progress bar displays the extraction process.

# **Formatting USB Drives**

When using a disk with the Blackmagic Cloud Pod, it needs to be formatted in HFS+ or ExFAT. Most disks come as NTFS format, but the disk needs to be reformatted to work with the cloud pod. This section explains how to format disks on your computer.

### Formatting Drives on a Mac

The Disk Utility application included with Mac can format a drive in the HFS+ or ExFat formats. HFS+ is also known as Mac OS Extended which includes a journaling feature that helps the drive recover if it has a problem.

Make sure you back up anything important from your drive as you will lose everything on it when it is formatted.

- Connect a USB drive to your computer and dismiss any message offering to use it for Time Machine backups.
- 2 Go to applications/utilities and launch Disk Utility.
- 3 Click on the disk icon of your USB drive and then click the erase tab.
- 4 Set the format to Mac OS Extended or ExFat.
- 5 Type a name for the new volume and then click erase. Your media will quickly be formatted and made ready for use with Cloud Pod.

•••	Disk Utility			
Internal APPLE SSD AP1024Z Media Container disk3	USB San	Disk 3.2Gen1 Media		
G Macintosh HD volumes     Macintosh HD     Macintosh HD sn	Erase "US Erasing "US stored on it	B SanDisk 3.2Gen1 Media"? B SanDisk 3.2Gen1 Media" will permanent You can't undo this action.	y erase all data	
	n Name:	Drive_01		
<ul> <li>OSB SanDisk 3.2Gen1 M</li> </ul>	Scheme:	GUID Partition Map	0	250.05 GB
	Co Security Options	Cancel	Erase	1
	Partition Map:	GUID Partition Map	Type:	Disk
	S.M.A.R.T. status:	Not Supported	Device:	disk4

### **Formatting Drives in Windows**

The format dialog box can format a drive in the ExFat format on a Windows PC. Make sure you back up anything important from your USB drive as you will lose everything on it when it is formatted.

- 1 Connect a USB drive to your computer.
- 2 Open the start menu or start screen and choose 'computer'. Right-click on your USB drive.
- 3 From the contextual menu, choose format.
- 4 Set the file system to ExFat and the allocation unit size to 128 kilobytes.
- 5 Type a volume label, select quick format and click Start.
- 6 Your media will quickly be formatted and made ready for use with your Blackmagic Cloud Store.

# **Updating the Internal Software**

To update your Blackmagic Cloud Store, first connect the unit to your computer via USB. You can connect to either of the cloud pod's USB-C ports. On Blackmagic Cloud Store Mini you can connect via the front USB-C or rear 'Ethernet via USB' ports. Download the latest version of Blackmagic Cloud Store software from the Blackmagic Design support center at www.blackmagicdesign.com/support

When you launch Blackmagic Cloud Store Setup the software will automatically detect the current software version installed on your cloud store and will prompt you to update.

Click on 'update' and follow the on screen instructions to complete the update process.

Sc	oftware Update
Update Available!	
You can still use the Cloud Po the latest features.	d if you don't update, but it may be missing
	Continue Update

After installing the latest Blackmagic Cloud Store software on your computer, an update prompt will appear in Blackmagic Cloud Store Setup the next time you plug in the unit via USB

# Help

## **Getting Help**

The fastest way to obtain help is to go to the Blackmagic Design online support pages and check the latest support material available for your Blackmagic Cloud Pod and Blackmagic Cloud Store Mini.

### Blackmagic Design Online Support Pages

The latest manual, software and support notes can be found at the Blackmagic Design support center at <u>www.blackmagicdesign.com/support</u>.

### Blackmagic Design Forum

The Blackmagic Design forum on our website is a helpful resource you can visit for more information and creative ideas. This can also be a faster way of getting help as there may already be answers you can find from other experienced users and Blackmagic Design staff which will keep you moving forward. You can visit the forum at <a href="https://forum.blackmagicdesign.com">https://forum.blackmagicdesign.com</a>

### Contacting Blackmagic Design Support

If you can't find the help you need in our support material or on the forum, please use the "Send us an email" button on the support page to email a support request. Alternatively, click on the "Find your local support team" button on the support page and call your nearest Blackmagic Design support office.

### Checking the Software Version Currently Installed

To check which version of Blackmagic Cloud Store software is installed on your computer, open the About Blackmagic Cloud Store Setup window.

- On Mac OS, open Blackmagic Cloud Store Setup from the Applications folder. Select About Blackmagic Cloud Store Setup from the application menu to reveal the version number.
- On Windows, open Blackmagic Cloud Store Setup utility from your Start menu or Start Screen. Click on the Help menu and select About Blackmagic Cloud Store Setup to reveal the version number.

### How to Get the Latest Software Updates

After checking the version of Blackmagic Cloud Store Setup software installed on your computer, please visit the Blackmagic Design support center at <u>www.blackmagicdesign.com/support</u> to check for the latest updates. While it is usually a good idea to run the latest updates, it is wise to avoid updating any software if you are in the middle of an important project.

# **Regulatory Notices**

#### Disposal of Waste of Electrical and Electronic Equipment Within the European Union.



The symbol on the product indicates that this equipment must not be disposed of with other waste materials. In order to dispose of your waste equipment, it must be handed over to a designated collection point for recycling. The separate collection and recycling of your waste equipment at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city recycling office or the dealer from whom you purchased the product.

## Blackmagic Cloud Pod & Cloud Store Mini

#### **Class B Product**



NOTE: The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



R-R-BMD-20210818001 R-R-BMD-20211115001

#### **ISED Canada Statement**



This device complies with Innovation, Science and Economic Development Canada standards for Class B Digital apparatus.

Any modifications or use of this product outside its intended use could void compliance to these standards.

Connection to HDMI interfaces must be made with high quality shielded HDMI cables.

## **Blackmagic Cloud Store**

#### **Class A Product**

FC.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this product in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at personal expense. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference.
- 2 This device must accept any interference received, including interference that may cause undesired operation.



R-R-BMD-20220322001 R-R-BMD-20220322002 R-R-BMD-20220322003

#### ISED Canada Statement

ICES-3 (A) NMB-3 (A) This device complies with Canadian standards for Class A digital apparatus.

Any modifications or use of this product outside its intended use could void compliance to these standards.

Connection to HDMI interfaces must be made with high quality shielded HDMI cables.

This equipment has been tested for compliance with the intended use in a commercial environment. If the equipment is used in a domestic environment, it may cause radio interference.

# **Safety Information**

For protection against electric shock, the equipment must be connected to a mains socket outlet with a protective earth connection. In case of doubt contact a qualified electrician.

To reduce the risk of electric shock, do not expose this equipment to dripping or splashing.

Product is suitable for use in tropical locations with an ambient temperature of up to 40°C.

Ensure that adequate ventilation is provided around the product and that it is not restricted.

When rack mounting, ensure that the ventilation is not restricted by adjacent equipment.

No operator serviceable parts inside product. Refer servicing to your local Blackmagic Design service center.



For Cloud Store Mini, use only at altitudes not more than 2000m above sea level.

#### State of California statement

This product can expose you to chemicals such as trace amounts of polybrominated biphenyls within plastic parts, which is known to the state of California to cause cancer and birth defects or other reproductive harm.

For more information go to <u>www.P65Warnings.ca.gov</u>.

# Warranty

## **12 Month Limited Warranty**

Blackmagic Design warrants that this product will be free from defects in materials and workmanship for a period of 12 months from the date of purchase. If a product proves to be defective during this warranty period, Blackmagic Design, at its option, either will repair the defective product without charge for parts and labor, or will provide a replacement in exchange for the defective product.

In order to obtain service under this warranty, you the Customer, must notify Blackmagic Design of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. The Customer shall be responsible for packaging and shipping the defective product to a designated service center nominated by Blackmagic Design, with shipping charges pre paid. Customer shall be responsible for paying all shipping charges, insurance, duties, taxes, and any other charges for products returned to us for any reason.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Blackmagic Design shall not be obligated to furnish service under this warranty: a) to repair damage resulting from attempts by personnel other than Blackmagic Design representatives to install, repair or service the product, b) to repair damage resulting from improper use or connection to incompatible equipment, c) to repair any damage or malfunction caused by the use of non Blackmagic Design parts or supplies, or d) to service a product that has been modified or integrated with other products when the effect of such a modification or integration increases the time or difficulty of servicing the product. THIS WARRANTY IS GIVEN BY BLACKMAGIC DESIGN IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. BLACKMAGIC DESIGN AND ITS VENDORS DISCLAIM ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BLACKMAGIC DESIGN'S RESPONSIBILITY TO REPAIR OR REPLACE DEFECTIVE PRODUCTS IS THE WHOLE AND EXCLUSIVE REMEDY PROVIDED TO THE CUSTOMER FOR ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES IRRESPECTIVE OF WHETHER BLACKMAGIC DESIGN OR THE VENDOR HAS ADVANCE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. BLACKMAGIC DESIGN IS NOT LIABLE FOR ANY ILLEGAL USE OF EQUIPMENT BY CUSTOMER. BLACKMAGIC IS NOT LIABLE FOR ANY DAMAGES RESULTING FROM USE OF THIS PRODUCT. USER OPERATES THIS PRODUCT AT OWN RISK.

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