CFexpress TYPE B FIRMWARE UPDATE TOOL FOR macOS



User Manual 6th September 2023



INDEX

Sonoma Instructions 3-8

Ventura Instructions

9 - 14

Big Sur and Monterey Instructions 15-19

Catalina Instructions

20 - 23

GENERAL INSTRUCTIONS

Welcome to the manual for the Angelbird CFexpress Card Firmware Update Tool for macOS. The too I is mostly self-explanatory, so just start the app, and follow the on-screen instructions.

This manual is for Tool Version 1.4.0.

macOS system security requires that all drivers are first approved by you, the user. What is needed to make this happen is explained below.

- <u>Click here</u> for instructions for macOS Sonoma.
- <u>Click here</u> for instructions for macOS Ventura.
- <u>Click here</u> for instructions for macOS Big Sur and Monterey.
- <u>Click here</u> for instructions for macOS Catalina.
- For macOS Mojave, drivers don't need approval. Just follow the instruction on-screen and flow into the firmware update.

If you need additional support please contact angelbird.com/support

LEGAL INFORMATION

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CONTACT

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Sonoma Instructions

The Firmware Tool guides you through the steps required to check for and install firmware updates for your Angelbird CFexpress cards.

Warning

Installing the firmware update will destroy all data on the drive. Please ensure that you have securely backed up your files.

THE PROCESS IS AS FOLLOWS

Ensure the card reader is disconnected from the computer.

Start the app and let it load the update driver.

Set the computer security policy to allow driver installation (only on Macs with Apple Silicon).

Approve the update driver.

Plug in the Angelbird CFexpress Card Reader with the CFexpress Card inside.

Update the firmware.

1 Open the app and 1 click "Next". The app will try to install a helper app and load the update driver.

Note:

The helper app and update driver will be automatically uninstalled once the tool closes.

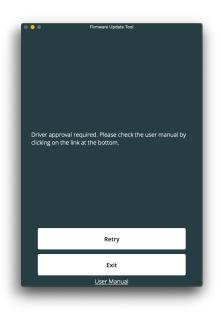
Firmware Update Tool	
Welcome	
Angelbird Firmware Update Too	
With the help of this tool, your CFexpress Type card gets updated to the latest firmware.	В
Installing the update requires an Angelbird CFexpress Type B Card Reader.	
Before proceeding, please make sure your care ejected and your card reader is unplugged.	d is
? Learn Why	
1	
Next	
User Manual	
Firmware Update Tool	
We are loading the update driver.	
This may take a few seconds.	
<u>User Manual</u>	

2 The entire process requires authentication several times. Enter your computer user name and password when, and if, prompted.

CFexpress Card Firmware Update Tool CFexpress Card Firmware Update Tool is trying to install a new helper tool. Enter your password to allow this. angelbird Password Cancel Install Helper		
trying to install a new helper tool. Enter your password to allow this. angelbird Password		ate
angelbird Password		
Password	Enter your password to allow this	
	angelbird	
Cancel Install Helper	Password	
	Cancel Install Help	er

3 If the app says that driver approval is required, you may get a popup about a System Extension being "Blocked" or being "Updated". Or maybe you get no popup at all... This depends on the security settings of your system.

If you get a popup, 2 open the System Settings. If you get no popup, open the System Settings app, then select Privacy & Security.



	System Extension Blocked
Te set	A program tried to load new system extension(s) signed by "Angelbird cchnologies GmbH", but your security tings do not allow system extensions. enable them, open Privacy & Security System Settings.
	Ignore

4 This step is only needed for Macs with Apple Silicon. For the app to work, it is required that your system allows the installation of System Extensions.

For more details, see the Apple support page: click here

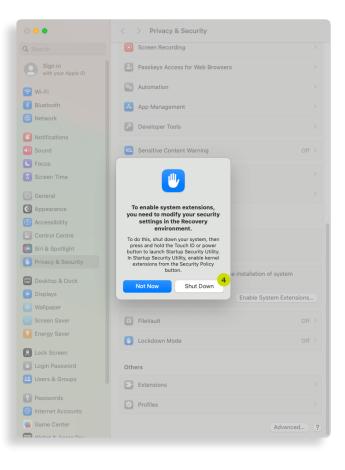
4.1 In the Security Preferences, click the unlock icon, and then 3 click "Enable system extensions...".

Note:

Is the display text different? Then system extensions are already enabled. In this case, continue with step 5.

•••	< > Privacy & Security	
Q Search	O Screen Recording	>
Sign in with your Apple ID	Passkeys Access for Web Browsers	>
🛜 Wi-Fi	So Automation	>
8 Bluetooth	App Management	>
🛞 Network	Developer Tools	>
Notifications	Developer roots	í í
🚳 Sound	Sensitive Content Warning	Off >
C Focus		
Screen Time	Analytics & Improvements	>
🕑 General	Apple Advertising	>
O Appearance		
(1) Accessibility	Security	
Control Centre	Allow applications downloaded from	
💽 Siri & Spotlight	 App Store App Store and identified developers 	
🕑 Privacy & Security		
E Desktop & Dock	Your current security settings prevent the installation of system extensions.	
🔅 Displays	3 Enable System Extens	sions
🛞 Wallpaper		
Screen Saver	FileVault	Off >
🚺 Energy Saver	2 Lockdown Mode	Off >
Lock Screen		
Login Password	Others	
😃 Users & Groups	Extensions	>
Passwords	Profiles	>
Internet Accounts	Fines	<u> </u>
😘 Game Center	Advance	d ?
Apple Day		

4.2 The system will ask you to Shutdown in order to change the Security Settings in the Recovery Environment. ⁽⁴⁾ Click "Shutdown".



4.3 Reboot your Mac with Apple Silicon in Recovery mode by clicking "Shutdown." Once the Mac has shut down, keep the power button pressed until the Mac loads the Startup Menu. Select 5 "Options" and click "Continue".



4.4 Open the ⁶ Startup Security Utility from the Utilities menu.



4.5 Select the macOS Version for which you are performing the installation, and click
⁷ "Security Policy" to continue.



4.6 Set the security level to

"Reduced Security" and
Allow the user management and loading of third-party texts.

Security Policy for "Ventura":	
S Full Security	
Ensures that only your current OS, or signed operating sys Apple, can run. This mode requires a network connection a	
Reduced Security	
Allows any version of signed operating system software ev	ver trusted by Apple to run.
9 🔽 Allow user management of kernel extensions fr	om identified developers
Allow remote management of kernel extensions	and automatic software update
	Cancel
	Cancel

4.7 Exit Recovery Mode by Rebooting the computer back to macOS. Choose Apple menu - Restart.

5 Now that the security settings have been updated, start the app again. The app will again check if the drivers were approved. This time the drivers need to be approved.

A "Blocked System Extension" popup should appear. O Click the button for "Open System Settings". If no popup appears, open the System Preferences app, and then open the Privacy & Security Preferences.



6 In the Privacy & Security Preferences, make sure the Developer is "Angelbird Technologies GmbH".
11 Click "Allow", and enter your password as needed.

It may also show a more generic message that reads "some system software was blocked from loading". In this case, after clicking allow, a list will appear and software from each developer can be allowed individually.

Q Bearch	O Screen Recording	>
- pearch		
Sign in with your Apple ID	Passkeys Access for Web Browsers	>
🕤 Wi-Fi	💿 Automation	>
Bluetooth	App Management	>
Network	App Management	
	Developer Tools	>
Notifications		
Sound	Sensitive Content Warning	Off >
- Focus	Analytics & Improvements	>
Screen Time		
O General	Apple Advertising	>
Appearance		
 Accessibility 	Security	
Control Centre	Allow applications downloaded from	
Siri & Spotlight	• App Store and identified developers	
Privacy & Security		O
Desktop & Dock	System software from developer "Angelbird Technolo blocked from loading.	ogles GmbH" was
🔅 Displays		11 Allow
🛞 Wallpaper		
Screen Saver	6 FileVault	Off >
🚺 Energy Saver	Lockdown Mode	Off >
Lock Screen	-	
Login Password	Others	
😕 Users & Groups	Extensions	>
Passwords	Profiles	>
Internet Accounts	Controllies	
😘 Game Center		Advanced

7 The system will need to be restarted again, so 12 click "Restart".

0 • •	> Privacy & Security	
Q Search	Screen Recording	
Sign in with your Apple ID	Passkeys Access for Web Browsers	
🛜 Wi-Fi	💿 Automation	
8 Bluetooth	App Management	
🛞 Network	Developer Tools	
Notifications		
Sound	Sensitive Content Warning	
C Focus	Analytics & Improvements	
Screen Time	halytics & Improvements	
🕑 General		
O Appearance		
Accessibility		
Control Centre	A restart is required before new system extensions can be used.	
Siri & Spotlight	12	
🕑 Privacy & Security	Not Now Restart	
Desktop & Dock	System sontware from developer Angelbird Technolog blocked from loading.	ies GmbH" was
🔅 Displays		Allow
🛞 Wallpaper		
Screen Saver	FileVault	
Energy Saver	🕑 Lockdown Mode	
Lock Screen		
Login Password	Others	
😕 Users & Groups	Extensions	
Passwords	Profiles	
Internet Accounts		
Game Center		Advanced ?
Mollet 9 Apple Day		

8 Once the system has restarted, start the app again and follow the on-screen instructions. Now the app should tell you to plug in the card reader and card.

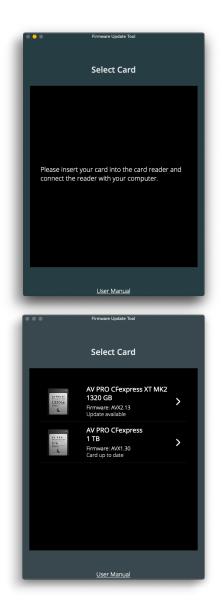
Plug the CFexpress Card Reader with the CFexpress Card into the computer.

Once a CFexpress Card is detected, the tool shows if an update is possible. To continue, select the card you want to update.

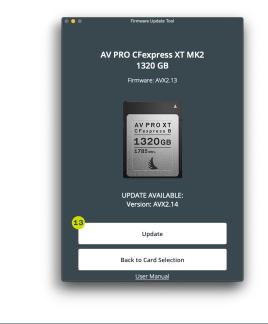
Note:

When the tool has detected a card, simply follow the on-screen instructions to complete the firmware update.

While the firmware is being updated, the card will be unsafely ejected.



9 13 Click "Update" to proceed with the firmware update.



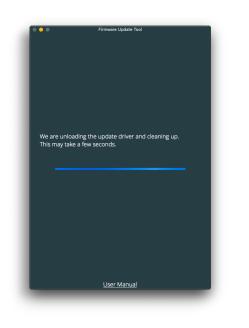
10 If the update was successful, you see the screen as below. ¹⁴ Click "Back to Card Selection" to go back to the list of cards.

Firmware Update Toc	·
AV PRO CFexpress 1320 GB	XT MK2
Firmware: AVX2.1	
AV PROXI CFoxpross B 1320GB 1785mm	
Your card was successfu	ly updated!
14 Back to Card Selec	tion
<u>User Manual</u>	

11 Close the app after your card was updated. Now the firmware update driver and helper tool are uninstalled. The firmware update tool will close automatically.

Note:

While unloading the driver, the connected card will be unsafely ejected.



12 The Security settings can now be reset to their previous values. This step is only needed for Macs with Apple Silicon.

When you have any other System Extension installed which require more permissive Security Settings, you should skip restoring the Security Settings as otherwise they will stop working.

For more details, see the Apple support page: click here

- **12.1** First shut down your computer. Once turned off, press and keep pressed the power button until the boot menu is loaded.
- **12.2** In the boot menu, 15 click "Options" to load the recoveryOS.



12.3 Once the recoveryOS has loaded, open the startup Security Utility from the Utilities menu.



12.4 Next, select the startup disk you wish to update and16 click "Security Policy". Most likely, there is only one Option.



12.5 ¹⁷ Change the setting to "Full Security" and click ok.



12.6 Restart the computer to macOS using the Apple menu.



Ventura Instructions

The Firmware Tool guides you through the steps required to check for and install firmware updates for your Angelbird CFexpress cards.

Warning

Installing the firmware update will destroy all data on the drive. Please ensure that you have securely backed up your files.

THE PROCESS IS AS FOLLOWS

Ensure the card reader is disconnected from the computer.

Start the app and let it load the update driver.

Set the computer security policy to allow driver installation (only on Macs with Apple Silicon).

Approve the update driver.

Plug in the Angelbird CFexpress Card reader with the CFexpress card inside.

Update the firmware.

1 Open the app and **1** click "Next". The app will try to install a helper app and load the update driver.

Note:

The helper app and update driver will be automatically uninstalled once the tool closes.

Firmware Update Tool
Welcome
Angelbird Firmware Update Tool
With the help of this tool, your CFexpress Type B card gets updated to the latest firmware.
Installing the update requires an Angelbird CFexpress Type B Card Reader.
Before proceeding, please make sure your card is ejected and your card reader is unplugged.
? Learn Why
Next
<u>User Manual</u>
Firmware Update Tool
We are loading the update driver.
This may take a few seconds.
<u>User Manual</u>

2 The entire process requires authentication several times. Enter your computer user name and password when, and if, prompted.

\bigcirc	CFexpress Card Firmware Update Tool is trying t install a new helper tool.
	Enter your password to allow this.
\sim	Username: angelbird
	Password:
	Cancel Install Helper

3 If the app says that driver approval is required, you may get a popup about a System Extension being "Blocked" or being "Updated". Or maybe you get no popup at all... This depends on the security settings of your system.

If you get a popup, 2 open the System Settings. If you get no popup, open the System Settings app, then select Privacy & Security.

Driver approval required. Please check the user manual by
clicking on the link at the bottom.
Retry
i keu y
Exit
<u>User Manual</u>
Sustan Extension Blocked
System Extension Blocked
A program tried to load new system
A program tried to load new system extension(s) signed by "Angelbird
A program tried to load new system extension(s) signed by "Angelbird Technologies GmbH" but your security
A program tried to load new system extension(s) signed by *Angelbird Technologies GmbH* but your security settings do not allow system extensions.
A program tried to load new system extension(s) signed by "Angelbird Technologies GmbH" but your security settings do not allow system extensions. To enable them, open the Security &
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4 This step is only needed for macs with Apple Silicon. For the app to work, it is required that your system allows the installation of System Extensions.

For more details, see the Apple support page: click here

4.1 In the Security Preferences, click the unlock icon, and then ³ click "Enable system extensions...".

Note:

Is the display text different? Then system extensions are already enabled. In this case, continue with step 5.

• • •	Privacy & Security
	Security
Sign in with your Apple ID	Allow applications downloaded from App Store
Software Update 1 Available 1	• App Store and identified developers
ᅙ Wi-Fi	Your current security settings prevent the installation of system extensions.
😵 Bluetooth	3 Enable System Extensions
🛞 Network	
S Notifications	FileVault Secures the data on your disk by encrypting its content automatically.
🔟 Sound	· · · · · · · · · · · · · · · · · · ·
Focus	WARNING: You will need your login password or a recovery key to access your data A recovery key is automatically generated as part of this setup. If you forget both
Screen Time	your password and recovery key, the data will be lost. FileVault is turned off for the disk "Ventura".
😥 General	Lockdown Mode Turn On
Appearance	Lockdown Mode in extreme, optional protection that should only be used if you believe you may be personally
🔞 Accessibility	targeted by a highly sophisticated cyberattack. Most people are never targeted by attacks of this nature.
Control Center	When Mac is in Lockdown Mode, it will not function as it
🔜 Siri & Spotlight	typically does. Applications, websites, and features will be strictly limited for security, and some experiences will be
	completely unavailable. Learn more
Privacy & Security	

4.2 The system will ask you to Shutdown in order to change the Security Settings in the Recovery Environment.4 Click "Shutdown".



4.3 Reboot your Mac with Apple Silicon in Recovery mode by clicking "Shutdown". Once the Mac has shut down, keep the power button pressed until the Mac loads the Startup Menu. Select 5 "Options" and click "Continue".



4.4 6 Open the Startup Security Utility from the Utilities menu.



- 4.5 Select the macOS Version for which you are performing the installation, and click
 7 "Security Policy" to continue.
 - Image: Security Utility

 Select the system you want to use to set the security policy

 Image: Security Utility

 Image: Security Utility

 Image: Security Utility

 Image: Security Utility

 Image: Security Delicy

 Image: Security Delicy
 </
- 4.6 Set the security level to ⁽⁸⁾ "Reduced Security" and
 ⁽⁹⁾ allow the user management and loading of third-party texts.



4.7 Exit Recovery Mode by Rebooting the computer back to macOS. Choose Apple menu - Restart.

5 Now that the security settings have been updated, start the app again. The app will again check if the drivers were approved. This time the drivers need to be approved.

A "Blocked System Extension" popup should appear. Oclick the button for "Open System Settings". If no popup appears, open the System Preferences app, and then open the Privacy & Security Preferences.

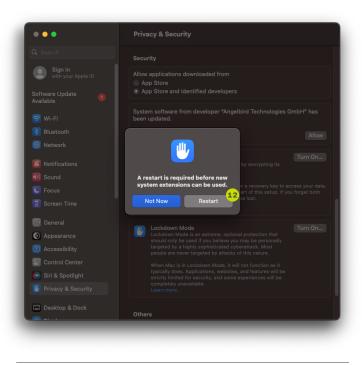


6 In the Privacy & Security Preferences, make sure the Developer is "Angelbird Technologies GmbH".
11 Click "Allow", and enter your password as needed.

It may also show a more generic message that reads "some system software was blocked from loading". In this case, after clicking allow, a list will appear and software from each developer can be allowed individually.

•••	Privacy & Security
Q Search	Security
Sign in with your Apple ID	Allow applications downloaded from App Store
Software Update 1 Available 1	App Store and identified developers
🛜 Wi-Fi	System software from developer "Angelbird Technologies GmbH" was blocked from loading.
🛞 Bluetooth	11 Allow
🛞 Network	
Notifications	FileVault Ecures the data on your disk by encrypting its content automatically.
🚺 Sound	
C Focus	WARNING: You will need your login password or a recovery key to access your data. A recovery key is automatically generated as part of this setup. If you forget both
Screen Time	your password and recovery key, the data will be lost. FileVault is turned off for the disk "Ventura".
🗑 General	Lockdown Mode Turn On
Appearance	Lockdown Mode is an extreme, optional protection that
Accessibility	should only be used if you believe you may be personally targeted by a highly sophisticated cyberattack. Most
Control Center	people are never targeted by attacks of this nature.
	When Mac is in Lockdown Mode, it will not function as it typically does. Applications, websites, and features will be
Siri & Spotlight	strictly limited for security, and some experiences will be completely unavailable.
🕑 Privacy & Security	Learn more
Desktop & Dock	Others

7 The system will need to be restarted again, so 12 click "Restart".



8 Once the system has restarted, start the app again and follow the on-screen instructions. Now the app should tell you to plug in the card reader and card.

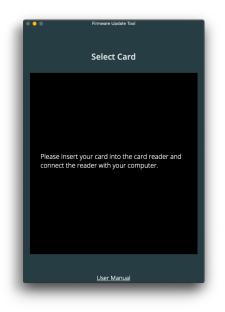
Plug the CFexpress Card Reader with the CFexpress Card into the computer.

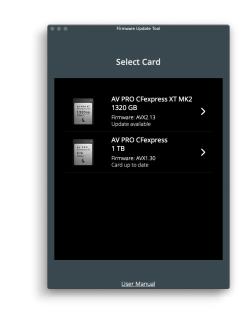
Once a CFexpress Card is detected, the tool shows if an update is possible. To continue, select the card you want to update.

Note:

When the tool has detected a card, simply follow the on-screen instructions to complete the firmware update.

While the firmware is being updated, the card will be unsafely ejected.

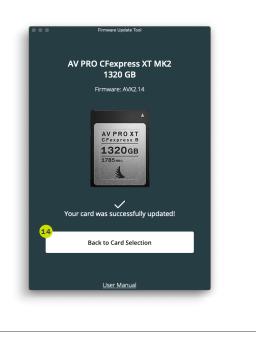




9 13 Click "Update" to proceed with the firmware update.



10 If the update was successful, you see the screen as below.
 14 Click "Back to Card Selection" to go back to the list of cards.



11 Close the app after your card was updated. Now the firmware update driver and helper tool are uninstalled. The firmware update tool will close automatically.

Note:

While unloading the driver, the connected card will be unsafely ejected.



12 The Security settings can now be reset to their previous values. This step is only needed for Macs with Apple Silicon.

When you have any other System Extension installed which require more permissive Security Settings, you should skip restoring the Security Settings as otherwise they will stop working.

For more details, see the Apple support page: click here

- **12.1** First shut down your computer. Once turned off, press and keep pressed the power button until the boot menu is loaded.
- **12.2** In the boot menu, 15 click "Options" to load the recoveryOS.



12.3 Once the recoveryOS has loaded, open the startup Security Utility from the Utilities menu.

Startup Security Utility Terminal		Window	Utilities	Edit	File	Recovery	É	
Terminal		ecurity Utility	Startup S					
	ሰ 🕷 т 😽		Terminal					
Share Disk		k	Share Dis					

12.4 Next, select the startup disk you wish to update and
 16 click "Security Policy". Most likely, there is only one Option.



12.5 17 Change the setting to Full Security and click ok.



12.6 Restart the computer to macOS using the Apple menu.



Big Sur and Monterey Instructions

The Firmware Tool guides you through the steps required to check for and install firmware updates for your Angelbird CFexpress cards.

Warning

Installing the firmware update will destroy all data on the drive. Please ensure that you have securely backed up your files.

THE PROCESS IS AS FOLLOWS

Ensure the card reader is disconnected from the computer.

Start the app and let it load the update driver.

Set the computer security policy to allow driver installation (only on Macs with Apple Silicon).

Approve the update driver.

Plug in the Angelbird CFexpress Card reader with the CFexpress card inside.

Update the firmware.

1 Open the app and **1** click "Next". The app will try to install a helper app and load the update driver.

Note:

The helper app and update driver will be automatically uninstalled once the tool closes.

Firmware Update Tool	1
Welcome	
Angelbird Firmware Update Tool	
With the help of this tool, your CFexpress Type B card gets updated to the latest firmware.	
Installing the update requires an Angelbird CFexpress Type B Card Reader.	
Before proceeding, please make sure your card is ejected and your card reader is unplugged.	
? Learn Why	
1	
Next	
<u>User Manual</u>	J
Firmware Update Tool	
We are loading the update driver.	
This may take a few seconds.	
	1
	1
<u>User Manual</u>	

2 The entire process requires authentication several times. Enter your computer user name and password when, and if, prompted.

\bigcirc		Card Firmware Update Tool is trying t w helper tool.
	Enter your pa	ssword to allow this.
\sim	Username:	angelbird
	Password:	•••••
		Cancel Install Helper

3 If the app says that driver approval is required, you may get a popup about a System Extension being "Blocked" or being "Updated". Or maybe you get no popup at all... This depends on the security settings of your system.

If you get a popup, 2 open the System Settings. If you get no popup, open the System Settings app, then select Privacy & Security.

Driver approval required. Please check the user manual by	
clicking on the link at the bottom.	
Retry	
Exit	
User Manual	
The second se	
^	
System Extension Blocked	
System Extension Blocked	
A program tried to load new system	
A program tried to load new system extension(s) signed by "Angelbird	
A program tried to load new system extension(s) signed by "Angelbird Technologies GmbH" but your security	
A program tried to load new system extension(s) signed by "Angelbird Technologies GmbH" but your security settings do not allow system extensions.	
A program tried to load new system extension(s) signed by "Angelbird Technologies GmbH" but your security settings do not allow system extensions. To enable them, open the Security &	
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A program tried to load new system extension(s) signed by "Angelbird Technologies GmbH" but your security settings do not allow system extensions. To enable them, open the Security & Privacy preference pane.	
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4 This step is only needed for macs with Apple Silicon. For the app to work it is required that your system allows the installation of System Extensions.

For more details, see the Apple support page: <u>click here</u>

4.1 In the Security Preferences, **3** click the unlock icon, and then **4** click "Enable system extensions...".

Note:

Is the text different? Then system extensions are already enabled. In this case, continue with step 5.

•••) < > iiii Security & Privacy	Q Search
	General FileVault Firewall Privacy	
	A login password has been set for this user Change Password	
	🗸 Require password 🛛 5 minutes 🛛 😒 after sleep or screen s	aver begins
	Show a message when the screen is locked Set Lock Mes	
	✓ Disable automatic login	
	Allow apps downloaded from: App Store	
	App Store and identified developers	
	Your current security settings prevent the installation of Enable system extensions	system extensions 4
° c	lick the lock to prevent further changes.	Advanced ?

4.2 The system will ask you to Shutdown in order to change the Security Settings in the Recovery Environment.
⁵ Click "Shutdown".

you need to setting	system extensions, modify your security s in the Recovery wironment.	
press and ho button to laun In Startup Sec Store extensions	ut down your system, then Id the Touch ID or power ch Startup Security Utility. surity Utility, enable kernel from the Security Policy button.	
5 Shutdowr	Not Now	

- **4.3** Reboot your Mac with Apple Silicon into Recovery mode by clicking Shutdown. Don't worry, the system will automatically reboot into the Recovery Environment. If nothing happens, hold down the power button of your mac until it is booted in recovery mode.
 - 6 Click "Security Policy" to continue.

	Startup Security Utility	
	Select the system you want to use to set the s	ecurity policy
	Macintosh HD macOS 11.1	
	macos n.i	
You have selected mac	DS 11.1 on the disk "Macintosh HD."	6 Security Policy

4.4 Set the security level to 7 "Reduced Security" and
8 Allow the loading of third-party texts.



- **4.5** Reboot back to macOS. Choose Apple menu – Shut Down.
- **5** Now that the security settings have been updated, start the app again, and follow the on-screen instructions. This time the update driver needs to be approved.

A popup should appear about a "Blocked System Extension". 9 Open the Security Preferences by clicking the button. If you get no popup, open the System Preferences app, and open the Security & Privacy Preferences.

System Extension Blocked	
extension(s) signed by "Angelbird chnologies GmbH" but your securit tings do not allow system extensior	ty 1s.
Ignore	
Open Security Preferences	
	A program tried to load new system extension(s) signed by "Angelbird chnologies GmbH" but your securit tings do not allow system extensior o enable them, open the Security & Privacy preference pane.

6 In the Security & Privacy Preferences, make sure the Developer is "Angelbird Technologies GmbH".
10 Click the unlock icon, and then 11 click "Allow".

It may also show a more generic message that reads "some system software was blocked from loading". In this case, after clicking allow, a list will appear and the software from each developer can be allowed individually.

••• < > IIII Security & Privacy Q. Search	
General FileVault Firewall Privacy	
A login password has been set for this user Change Password	
Require password 5 minutes 📀 after sleep or screen saver begins	
Show a message when the screen is locked Set Lock Message	
✓ Disable automatic login	
Allow apps downloaded from:	
App Store	
App Store and identified developers	
System software from developer "Angelbird Technologies GmbH" was Allow	Ð
10	
Click the lock to prevent further changes.	

7 The system will need to be restarted again, so 12 click "Restart".

Security & Privacy
Disable auto
Allow apps downloa Restart Not Now
App Store

8 Once the system has restarted, start the app again and follow the on-screen instructions. Now the app should tell you to plug in the card reader and card.

Plug the CFexpress Card Reader with the CFexpress Card into the computer.

Once a CFexpress Card is detected, the tool shows if an update is possible. To continue, select the card you want to update.

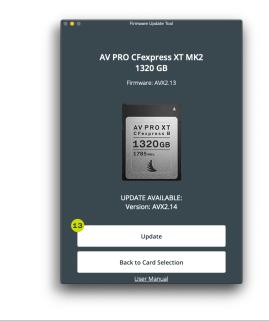
Note:

When the tool has detected a card, simply follow the on-screen instructions to complete the firmware update.

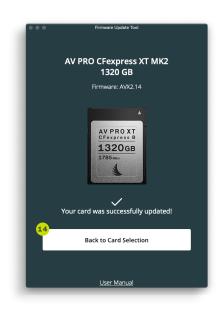
While the firmware is being updated, the card will be unsafely ejected.



9 13 Click "Update" to proceed with the firmware update.



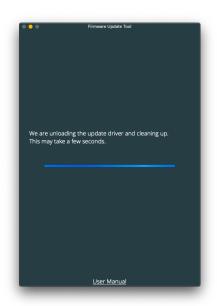
10 If the update was successful, you see the screen as below. ¹³ Click "Back to Card Selection" to go back to the list of cards.



11 Close the app after your card was updated. Now the firmware update driver and helper tool are uninstalled. The firmware update tool will close automatically.

Note:

While unloading the driver, the connected card will be unsafely ejected.



Catalina Instructions

The Firmware Tool guides you through the steps required to check for and install firmware updates for your Angelbird CFexpress cards.

Warning

Installing the firmware update will destroy all data on the drive. Please ensure that you have securely backed up your files.

THE PROCESS IS AS FOLLOWS

Ensure the card reader is disconnected from the computer.

Start the app and let it load the update driver.

Approve the update driver.

Plug in the Angelbird CFexpress Card reader with the CFexpress card.

Update the firmware.

1 Open the app and **1** click "Next". The app will try to install a helper app and load the update driver.

Note:

The helper app and update driver will be automatically uninstalled once the tool closes.

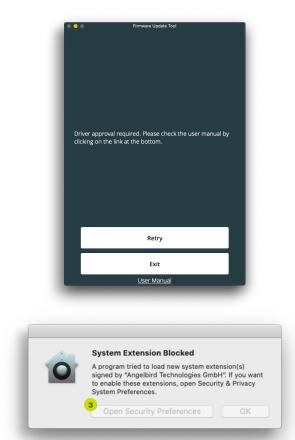
Welcome	
Angelbird Firmware Update Tool	
With the help of this tool, your CFexpress Type B	
card gets updated to the latest firmware.	
Installing the update requires an Angelbird	
CFexpress Type B Card Reader.	
Before proceeding, please make sure your card is	
ejected and your card reader is unplugged.	
? Learn Why	
a	
Next	
<u>User Manual</u>	
Firmware Update Tool	
We are loading the undate driver	
We are loading the update driver, This may take a few seconds.	
We are loading the update driver. This may take a few seconds.	
We are loading the update driver. This may take a few seconds.	
We are loading the update driver. This may take a few seconds.	
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This may take a few seconds.	
We are loading the update driver, This may take a few seconds.	

2 The entire process requires authentication several times. Enter your computer user name and password when, and if, prompted.

\bigcirc		Card Firmware Update Tool is trying t w helper tool.
	Enter your pa	ssword to allow this.
	Username:	angelbird
	Password:	•••••
		Cancel Install Helper

 If the app says that driver approval is required, you may get a popup about a System Extension being "Blocked".
 Or maybe you get no popup at all... This depends on the security settings of your system.

If you get only one popup, use it to ③ open your Security Preferences. If you get no popup, open the System Preferences app, then open the Security & Privacy Preferences.



4 In the Security & Privacy Preferences, make sure the Developer is "Angelbird Technologies GmbH".
4 Click the unlock icon, and then 5 click "Allow".

Note:

The Allow button is only visible for 30 minutes after you get the popup. To show the button again if 30 minutes have passed, restart the computer and the app.

login password ha	s been set for this us	- Oheren D		
		er Change P	assword	
	word 5 minutes		or screen saver	
		is locked Set	Lock Message	
	2			
llow apps downloa	ded from:			
App Store				
 App Store ar 	nd identified develope	rs		
		ird Technologies	s GmbH"	Allow
	aan.g.			
	Disable auto Disable auto disps downloa App Store App Store ar ystem software fro	Disable automatic login Ilow apps downloaded from: App Store App Store	 Disable automatic login Ilow apps downloaded from: App Store App Store and identified developers ystem software from developer "Angelbird Technologies 	llow apps downloaded from: App Store App Store and identified developers ystem software from developer "Angelbird Technologies GmbH"

5 After clicking "Allow", go back to the tool and5 click "Retry".

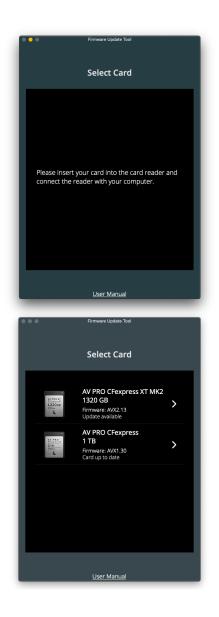
If the approval was successful, the tool will continue. If a retry does not work, restart the computer and try again.

🖉 🔮 💿 Firmware Update Tool	
Driver approval required. Please check the user manual by	
clicking on the link at the bottom.	
5 Retry	
Exit User Manual	

6 Once the system has restarted, start the app again and follow the on-screen instructions. Now the app should tell you to plug in the card reader and card.

 Plug the CFexpress Card Reader with the CFexpress Card into the computer.

Once a CFexpress Card is detected, the tool shows if an update is possible. To continue, select the card you want to update.



7 6 Click "Update" to proceed with the firmware update.

Firmware Update Tool
AV PRO CFexpress XT MK2 1320 GB
Firmware: AVX2.13
AV PROXT CFeepress B 1320GB 1785ms
UPDATE AVAILABLE: Version: AVX2.14
6 Update
Back to Card Selection
User Manual

8 If the update was successful, you see the screen as below.
 7 Click "Back to Card Selection" to go back to the list of cards.

•••	Firmware Update Tool
	AV PRO CFexpress XT MK2 1320 GB
	Firmware: AVX2.14
	AV PRO XT CFexpress B 1320GB 1785ws
7	
	Back to Card Selection
	<u>User Manual</u>

9 Close the app after your card was updated. Now the firmware update driver and helper tool are uninstalled. The firmware update tool will close automatically.

Note:

While unloading the driver, the connected card will be unsafely ejected.

