

GUIDE

Who is this guide for?

This guide is intended for the user who has physical access to the Kaleido series and has basic knowledge of this type of equipment.

What is this guide for?

To give user of KaleidoX frame the knowledge how to upgrade the firmware using a USB connector on the device using a USB KEY!.

This is good for ALL Kaleido-X frame type. FR 4, FR 7 or FR 14. This guide is also for system that have no issue, and are simply undergoing normal update procedure to keep up to date with latest GrassValley technology.



What will I need to perform the UPDATE?

- Physical access to the Kaleido Frame
- Access to a Microsoft Windows Computer
- 1 USB Stick (4 gig minimum)
- The latest firmware from Grassvalley support.
- Custom KaleidoX software to prepare the USB stick
- SSH program like putty

What is this Custom KaleidoX software doing?

The program will upgrade the cards firmware for the Kaleido-X, FR4, FR7, and FR14. The procedure implies the use of 2 files.

- Firmware file
- Program to prepare an USB key to push the firmware into the KX Upgrading firmware will automatically propagate it to the other cards.

How much down time should I expect?

Be prepared for a 5 minutes shutdown window when you decide to use the reboot button that will show on the Kaleido screen at the end of the firmware update.

20-35 minutes is needed between every card Updating

The reboot button will show up after the firmware is completely integrated in the memory. All important information is also displayed in the main screen of the Kaleido in a kind of dashboard on the lower left corner.

Why do I need to upgrade?

If you have to replace a broken board with a newer one.

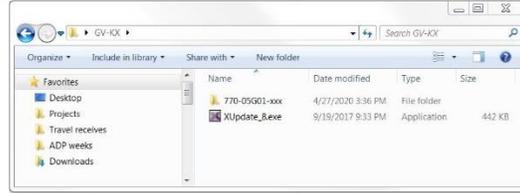
If you want to follow up with newest technologies break through.

If you want to overpass certain limitation or bug firmware version related problem.

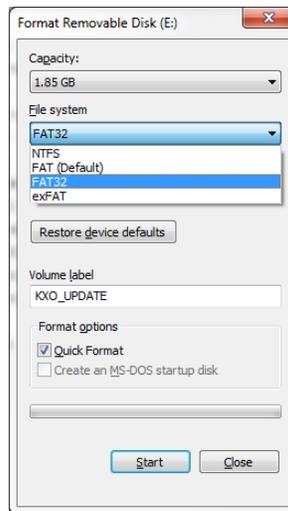
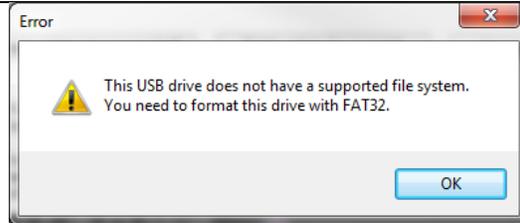
Step by step procedure.

Table: step by step procedure to create the firmware USB key for KaleidoX series

1. Download the files using the link that GV support has sent you
On your Desktop create a folder "GV-KX"



2. Insert a USB flash drive in to one of the PC's USB ports.

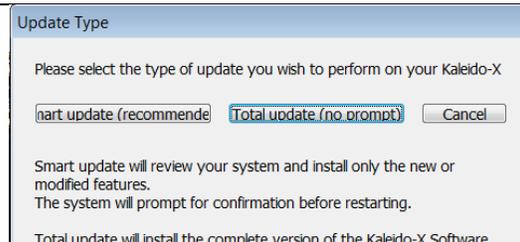


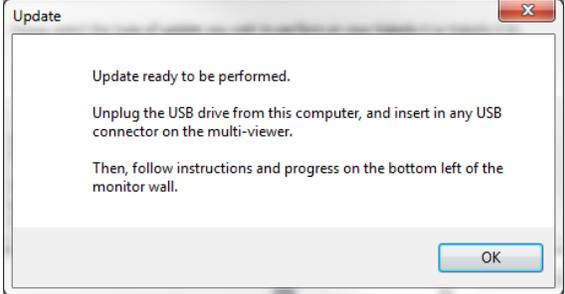
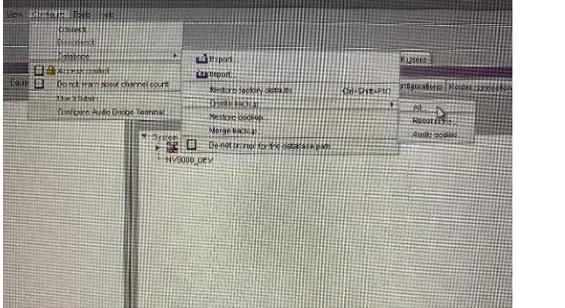
3. Locate and double-click on the KaleidoX Upgrade Manager application (It has a filename of the form "XUpdate8.exe"):



4. When the Welcome screen appears, click on the type of Kaleido that you would need to upgrade. (Kaleido-X in your case)

5. When prompted to select a type of update, click **Smart Update or Force Update**
Note: If you click **Forced Update (no confirm)**, then the update procedure, once initiated, cannot be aborted.



<p>6. When prompted to select an update file, Browse to the GV-KX folder that you have created on the desktop in step1 locate and double-click on the Kaleido-X operating system file (form “kxos-XXX_BUILD_XXXX.os”):</p>	
<p>7. The “.os” file will be copied to the USB drive. This may take a few minutes:</p>	
<p>8. When the copying process is finished, a confirmation message appears. Click OK:</p>	
<p>9. Click Exit on the Welcome screen.</p>	
<p>10. Using X-Edit create a Database Backup of the current system</p>	

11.
Connect the USB key to one of the available USB Connector on one of your KXO card in your multiviewer.



12.
Go back to the Kaleido monitor wall.
From that, at the bottom left corner of every screen you will see the update progress for all the card connected to the frame.
Follow the instructions, you will need a USB Mouse to click in the screen to restart the system.

Please note that a power failure during this procedure or stopping the procedure in the middle of an upgrade may cause permanent issue on the whole system, like data loss or unable to bring the system back on.

