GUIDE

Who is this guide for

This guide is for advanced user who uses Grassvalley products that are using Compact Flash card to operate. One of these well none product are KaleidoX series.

What is this guide for

This guide will show you how to reimage "ghost" an already made image to a compact Flash card.

Terminology:

Ghost (*General Hardware-Oriented System Transfer*)
CompactFlash (**CF**) is a [mass storage device] format used in portable electronic devices .
KAleido X : High picture count multi-viewer with advanced alarming
Frame : Part of the KaleidoX that is attach to the Rack and as the power switch and slots to seat the KaleidoX board.
Seat and reseat: Action that is to "slide-out" or "slide-in" the slots of a frame the KX board till the board is disconnected or connected in to the frame.

What is needed to the do this procedure

Compact Flash
- Choose a compact flash with the right amount of space available in order for the image file to be ghosted

Compact Flash Reader
- Any USB type of Compact Flash Reader will do Compact Flash are 36s43mm
- Preferable with Led status light

Computer
- With USB connector or with included Compact Flash Reader
- **Windows**XP or 7 or 8

USB Flash Tool Software
- The one we will be using is "USB image tools.exe".

Quick Steps

- Make a Backup of the KaleidoX database
- Contact the Technical Support from Grass valley and get the latest Firmware image file for your equipment.
- Take the compact flash from the KaleidoX board
- Put it in a Compact Flash Reader
- Use the Software "USB image Tools" to ghost the Flash Card
- Put the CF card back in the KaleidoX board and push the Card Back in the Frame

PS: The Frame can be left powered at all time.

COMPACT FLASH REIMAGE PROCEDURE (GHOST)
Specific For KAleidoX products

Step by steps

1. **Make a Backup of the KaleidoX database**
   - Use Xedit Grass Valley Software to make a complete backup of the KaleidoX

2. Download the image file and the "USB Flash Tool" from the FTP site that was sent to you from a Grass Valley Tech Support.

==**IMPORTANT: Make sure if you use the express link to copy and paste the link in Windows Explorer and DO NOT USE Internet Explorer.**==

3. Unzip the .zip image file

4. Get the Compact flash of the KaleidoX that need to be updated or repaired
   a. No special tool nedded to retrieve the compact flash.
   b. Pull the **MASTER** output card for the frame and take it's compact flash.
   c. If no other advice from technician then all the other "**output card**" should be **pulled out from the frame** and remain pulled till the end of the reimage procedure.
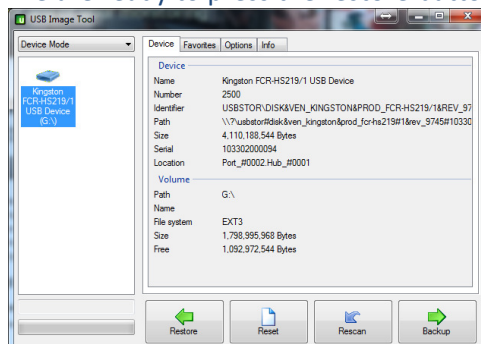
5. Insert the CF or SD into the card reader

   - If Windows asks you to format it again, click Cancel/NO

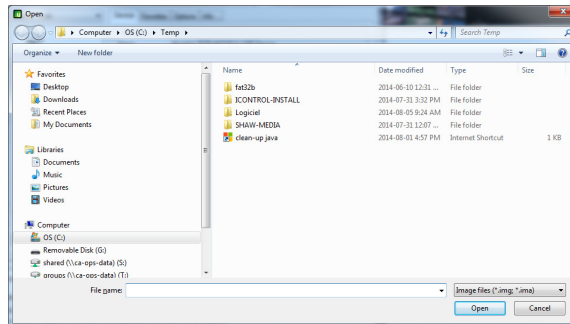6. Start the CompactFlash USB tool Software
   - Click on the Compact Flash presented to you in the Available Device list.
   - Most of the time you will only need the Device tab
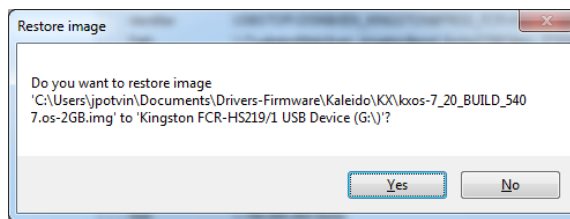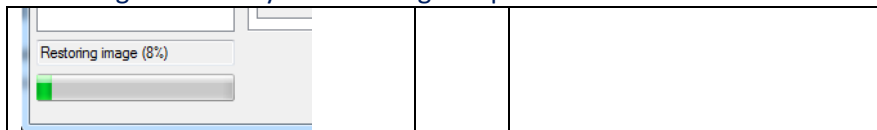   - We are ready to press the restore button

7. Choose the Restore button to select the image file to ghost on the Compact Flash
   a. Choosing the restore button will open a browse window in order for you to select the Image file that needs to be ghosted on the Compact Flash.
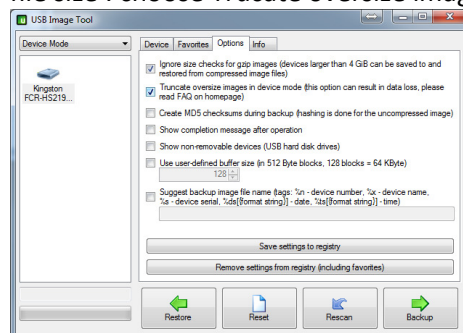

   b. Be careful if you select Yes on the Next Window **everything on the Compact Flash will be erased** and replace with the new image file content.

8. The flash card re-imaging is in progress so you should see the card reader flashing and the following message at the bottom of the software
   a. Reaching 100% tells you that the ghost process has been done with success.

9. Options Tab
   a. You will need to modify options in the "options" tab only on certain occasion
      i. The Cf card you are trying to ghost is just a little to small for the Image file size : choose Trucate oversize images in device mode.

End of Ghosting Procedure the rest of the document gives you a preview of what to do to update the KaleidoX Firmware.

COMPACT FLASH REIMAGE PROCEDURE (GHOST)
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For a complete well imaged step by step on how to update the Firmware of a Kaleido Product
Please read the pdf document called : **upgrade_kaleidoX_instruction.pdf**

10. Take the compact flash and put it back on the Kaleido-X board.
    a. Be careful for static discharge since board can be damaged from it.
    b. No special tool needed just slip the Compact Flash in connector

11. Without powering the frame push back the card in the slot
    a. Or follow the Grass Valley technician advice since there are many possibilities in order to regain complete rebuilding of the frame.
    b. At this point **no other output card should be in the frame** except this reimaged board inside the master slot of the KAleidoX frame.

12. Wait for the Light to stablelize before you push the other card in the frame
    a. You should wait for the two first led to become **green and fixed**. (not blinking)
        i. **Cpu and Status led**
    b. If the technician as not specified to leave other output cards in the frame you **should have only one output card** in the frame, and it should be **only** the one with the Re-imaged compact Flash.

13. Everything is stabilized you can now seat the other card.
    a. Seat back the other output card in the frame in order for those card to be updated from within the frame.

14. All CPU and Status Fixed Green Led **should** tell you that all the frame is back on line