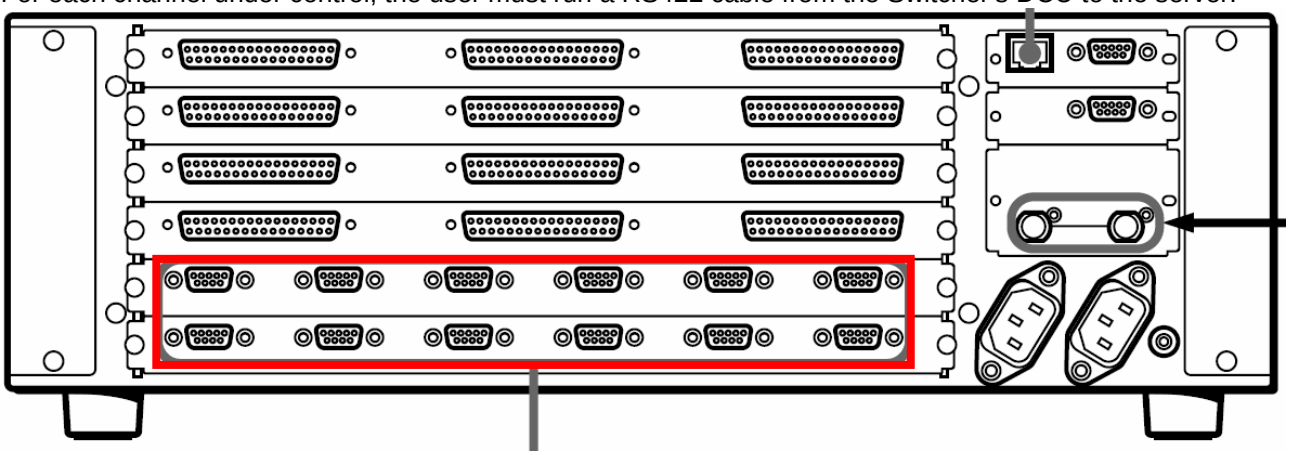
How to interface a MVS-8000 Switcher with a EVS Spotbox-XT / Spotbox-XT[2] system using VDCP Protocol.

This will utilize the Louth VDCP Protocol on the devices to communicate and allow the switcher to load, store, and recall clips from the switcher's timeline.

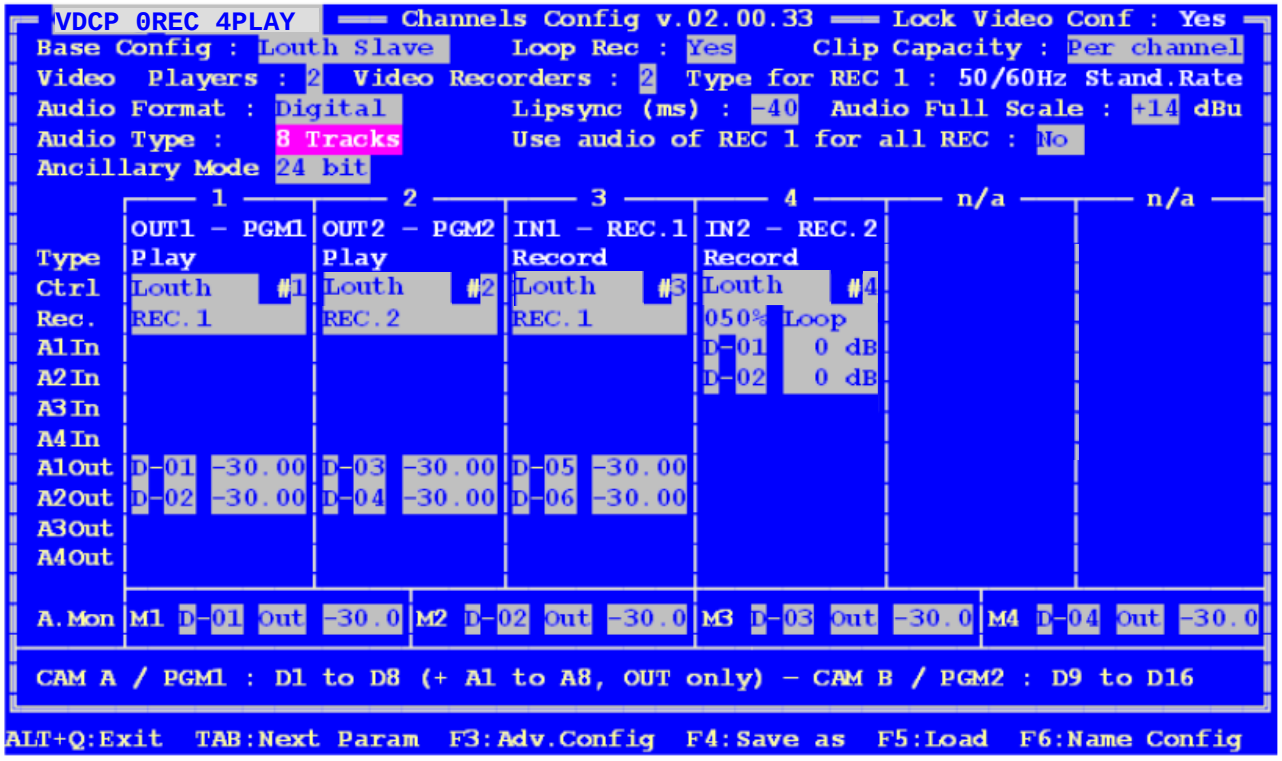
Physical Connection from the Switcher to the Spotbox-XT

For each channel under control, the user must run a RS422 cable from the Switcher's DCU to the server.



On the Spotbox-XT

Setup parameters for VDCP Slave mode…. With the desired number of recorders and players assigned under VDCP control.



Compatibility Note: The Sony Switcher, as of version 4 software uses a VDCP spec that requires the usage of the Louth 1998 specifications. By default the EVS-XT servers default to Louth 2000 specifications. To make operations easier, the Spotbox-XT should be changed to operate in the 1998 mode.

Proceed to the DOS Prompt by pressing ALT+Q from the EVS Menu
At the `C:>` prompt, type `cd multicam` followed by [enter]
We want to edit the exec.bat file to add a command line switch for the Louth 98 mode…
At the `c:\multicam>` prompt, type `q exec.bat`

The following will appear in the Q Edit program:

```
@ECHO OFF
del bootwins.log
bootwins /q
if errorlevel 10 goto error
if errorlevel 0 goto exec
goto end

:exec
multicam.exe
if errorlevel 100 goto end
goto dump

:error
echo ERROR while booting
pause
goto end

:dump
echo An error forced the multicam to close. Note all 0x... codes and
send them to EVS
echo You need to do a full hardware reboot before restarting the
application.
pause

:end
```

Move the cursor to the exec area and add a command to the following line:

```
:exec
multicam.exe /Louth98 /Louth_IDLSM
if errorlevel 100 goto end
goto dump
```

When done, press `[ALT]+[X]` to save and exit the editor
Then press `[CTRL]+[ALT]+[DEL]` to reboot the system.

Note: These commands only apply to the Louth VDCP commands when used. These do not affect any other aspect of the Multicam application.

/Louth98 will utilize the 1998 mode for position requests, allowing the Sony switcher to receive the TC of the clip's position. Otherwise, it would receive the current position relative to the start of the clip, in a clip counter.

/Louth_IDLSM will allow the user to see and use the LSM-ID formatting for the list of clips and OSD Displays instead of the autogenerated UmID.

On the MVS-8000/9000 switcher

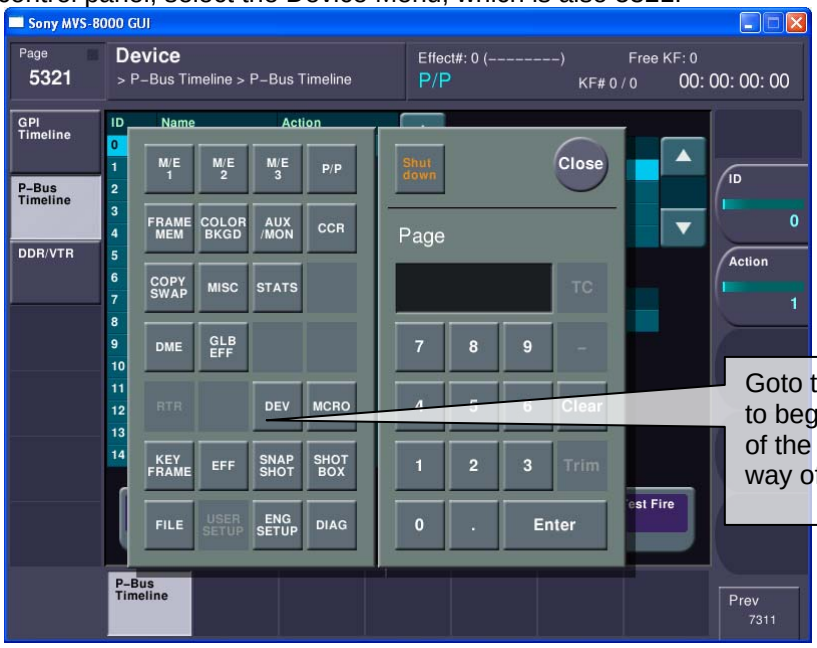
Goto the Page 7355 to configure the DCU
Locate the correct DCU Number and Port that you have connected to.
Change the device type to **DDR VDCP**
Press **[Device Type Set]**
Define a **PORT SETTING** for each device defined to VDCP

Critical to set the PORT SETTING for each channel to a relevant video PGM Output number

Important: To correctly recall the video to the Spotbox-XT PGM Outputs… you MUST define a valid PORT SETTING. This allows the MVS-8000 to indicate which video output the clip recall should be routed to. In Port Settings, the user changes from 0 to a number that matches the PGM output of the Spotbox-XT.
Example: PGM1 = 1, PGM2 = 2… etc. The user could be connected to Spotbox-XT RS422 port 4, but in the video port, manage PGM 1 for example.

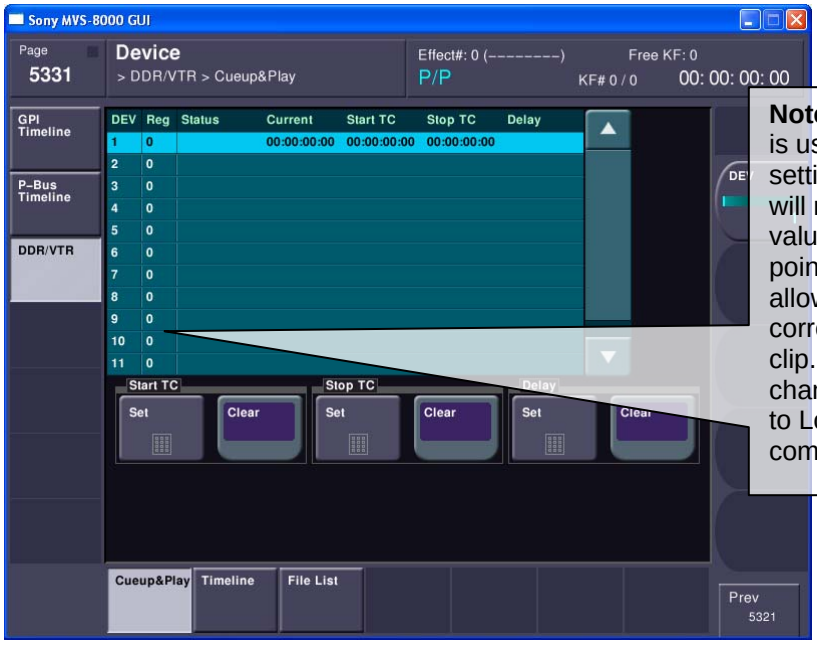
Goto the Page 7325.4 to configure the PANEL DEVICES
These are the buttons where the Spotbox-XT will appear for operations
If desirable, the system can utilize the same FILE LIST for all channels, to reduce the need to refresh all channels individually.

Using the sidecar's control panel, select the Device Menu, which is also 5321.



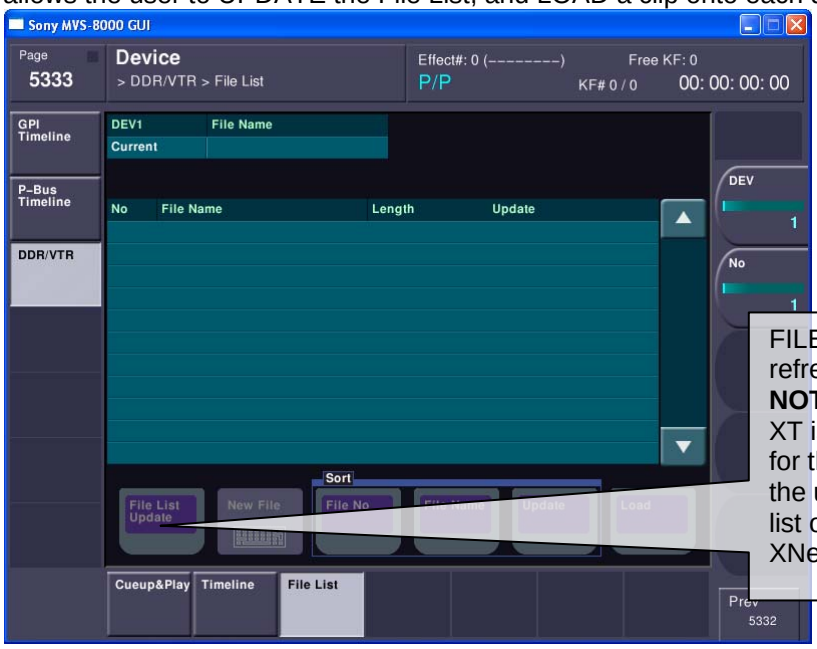
On the Device menu…the user can see the 3 subpages for Device Management

- CUEUP & Play – allows the user to see the current status of the devices, and know if a clip is loaded ad cued.



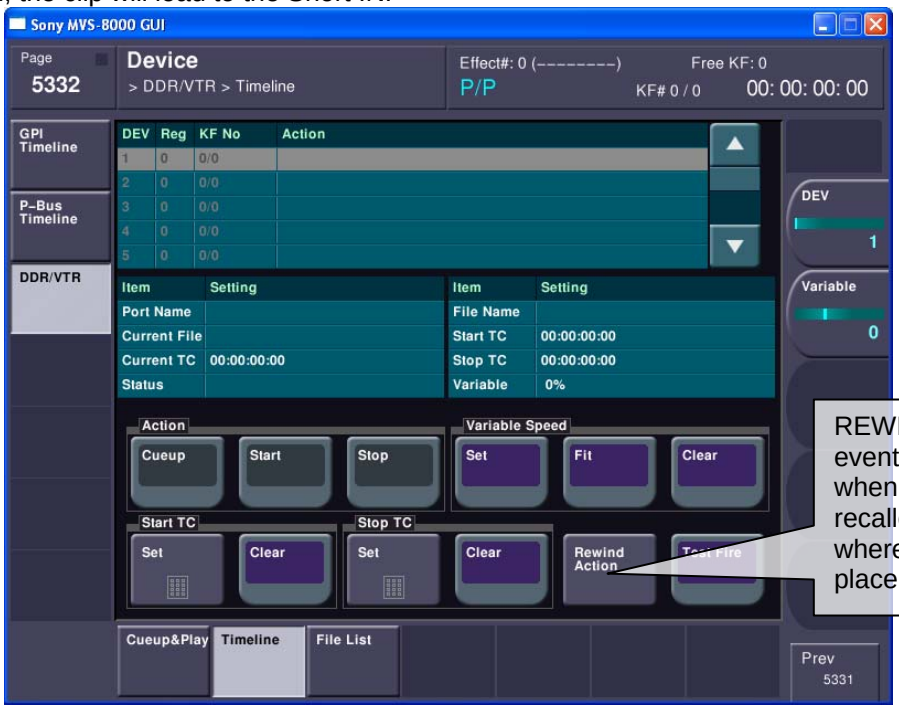
Note: If the Spotbox-XT is using Louth2000 settings, the MVS-8000 will receive clip counter values when setting TC points, which will NOT allow the user to cue correctly to the TC of the clip. The user should change the Spotbox-XT to Louth98 at the commend prompt.

- FILELIST – allows the user to UPDATE the File List, and LOAD a clip onto each device.



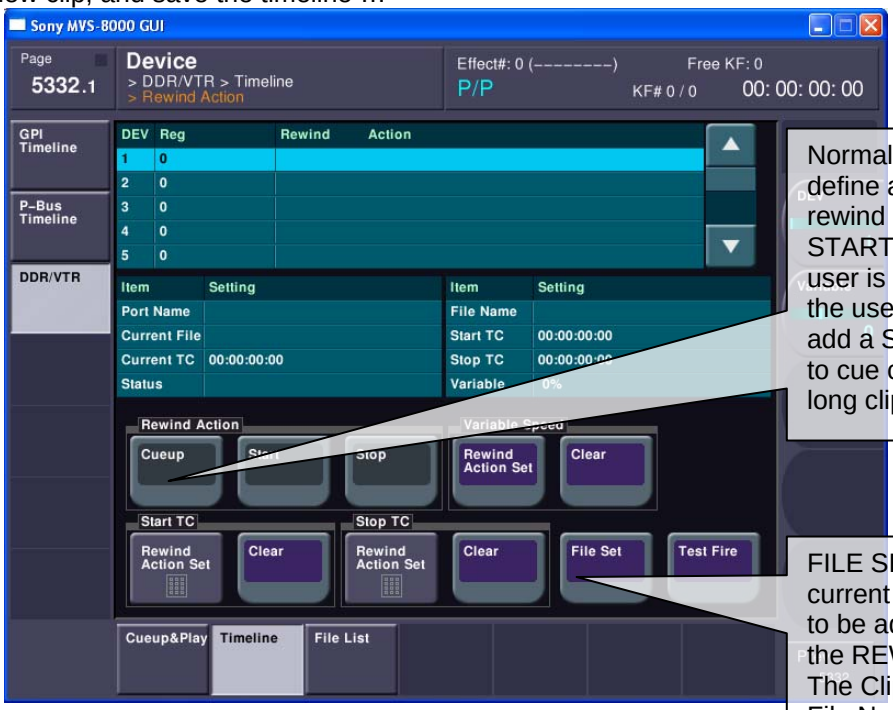
FILE LIST UPDATE will refresh the LIST.
NOTE: If the Spotbox-XT is set as a MASTER for the SDTI Networking, the user may receive a list of all clips on the XNet!

- TIMELINE – allows the user to place the clip CUEUP, START, STOP actions into timeline keyframes. Note: a CUEUP action should be placed in the REWIND ACTION for the timeline. The REWIND ACTION fires each time a keyframe is recalled. Having a CUEUP Timecode is optional, if not used, the clip will load to the Short IN.



REWIND ACTION is the event that happens when the effect is recalled. Tis is normally where the user should place the Clip for cueup

In the REWIND ACTION Menu, the user uses the FILE SET to define the clip that is loaded as the FILE that will be loaded in the REWIND ACTION. This is a useful feature when use user has a generic timeline and wants to load a new clip, and save the timeline …



Normally most users will define a CUEUP for the rewind action, and no START TC value. If the user is using 1 long clip… the user would need to add a Start TC for the clip to cue correctly inside the long clip.

FILE SET will add the current clip on the channel to be added as the clip for the REWIND ACTION set. The Clip ID will appear in File Name