



*Super Edit™ TECH NOTE
Version 8.6 / 2.0 and later*

NLE & Profile XP (MPEG-2)

**These instructions are for using an external video switcher,
external audio mixer, aux bus preview with Full View Record ON.**

NOTE: MPEG-2 Profile control SHOULD be done in FULL VIEW RECORD mode

NOTE: Configuration files MUST have the letter "M" as the first letter of the file name.

Profile XP Configuration Manager:

The Configuration Manager is used for creating/defining the up to four Profile configuration files used by ProLinks (serial control) in conjunction with Super Edit NLE.

Before starting Profile XP Configuration Manager, ensure that no VDR Panels are open or running and that Super Edit is not currently in NLE mode. Click on the Configuration Manager icon on the XP desktop, then select/click on Configuration Manager (bottom choice) to run the application.

For each Profile XP channel (typically R, A, B, C), create a configuration file. It is recommend to create a new file rather than re-name existing files (ie., VTR1, VTR2, etc. which are the default channels used by VDR Panel and other Profile applications).

Please note that Super Edit NLE can currently utilize a maximum of four Profile channels with the Super Edit NLE option. Three channels are for playback and one is used for recording/digitizing.

RVTR = Timeline playback (note: RVTR green key is a PLAYBACK, not a recorder)
AVTR = Non-linear playback channel with instant access to current Profile directory's clips
BVTR = Non-linear playback channel with instant access to current Profile directory's clips
CVTR = The actual RECORD/digitizing channel (encoder) used with Full View Record ON.

Start by selecting the video resources for the first channel (R-VTR) as described later in these setup instructions. The R-VTR would normally have a single decoder (MPEG PLAYER#1) and single playback output (ie., SDI-OutA-J14) as the only video resources selected. A resource accidentally selected can be unselected by clicking on that selection (toggles). When properly selected, continue by selecting audio and timecode resources.

In **Profile XP Configuration Manager**, set **Channel 1** as follows (RVTR/Timeline playback):

Video Decoder: MPEG Player #1 (save file as MPEG1)
Video Input: None.
Video Output: To Line monitor.
Select either the first SDI output or the first analog output.
If using Pre-Read, this output should also go to a video switcher input.

When viewing the selections under Video Output for Channel 1, the video outputs that are available on your *Profile* will be listed. Select the one to be the video out to the Line monitor, similar to the R-VTR output on an E-E connected VTR.

Audio: Select at least 1 channel, and more if desired (typically 1-4)
Timecode Codec: 1
Timecode Input: If INIT # 165 is set to “**TC FROM GEN**” (recommended), select **None**.
The assignment of the Time Code Generator is made by Super Edit based on the current setting of “**FULL-VIEW RECORD**” in INIT # 169.
If INIT # 165 is set to “**TC FROM TAPE**” the LTC from the currently controlled VTR must be routed to the *Profile* LTC port selected.
Timecode Output: None.

In **Profile XP Configuration Manager**, set **Channel 2** as follows:

Video Decoder: MPEG Player #2 (save file as MPEG2)
Video Input: None
Video Output: Select the second SDI or analog output. Connect to a video switcher input (Defined in the Super Edit Shift+ASGN section)

When viewing the selections under Video Output for Channel 2, the video outputs that are available on your *Profile* will be listed. Select the one to be the video output to the video switcher input for AVTR.

Audio: Select at least 1 and more if desired.
Timecode Codec: 2
Timecode Input: None
Timecode Output: None

In **Profile XP Configuration Manager**, set **Channel 3** as follows:

Video Decoder: MPEG Player #3 (save file as MPEG3)
Video Input: None
Video Output: Select the third SDI or analog output. Connect to a video switcher input (Defined in the Super Edit Shift+ASGN section)

When viewing the selections under Video Output for Channel 3, the video outputs that are available on your *Profile* will be listed. Select the one to be the video output to the video switcher input for BVTR.

Audio: Select at least 1 and more if desired.
Timecode Codec: 3
Timecode Input: None
Timecode Output: None

In **Profile XP Configuration Manager**, set **Channel 4** (CVTR/RCDR=RVTR/Timeline Record) as follows:

Video Encoder: MPEG Recorder #1 (save file as MXPEG4)

NOTE: The letter "X" MUST be used in the second field of the configuration file name to prevent unwanted routing of video signals through the encoder during previews and timeline playback.

Video Input: This input must be externally connected to the *Profile* Video Output specified in INIT# 171.
Video Output: None.
Audio: Select at least 1 and more if desired.
Timecode Codec: 4
Timecode Input: None
Timecode Output: None

Assigning Configuration Files

INITs 172, 173, 174 and 175 relate to the particular Profile channel configuration files that NLE uses when running NLE. If defined as suggested above, these Configuration Files should be assigned as:

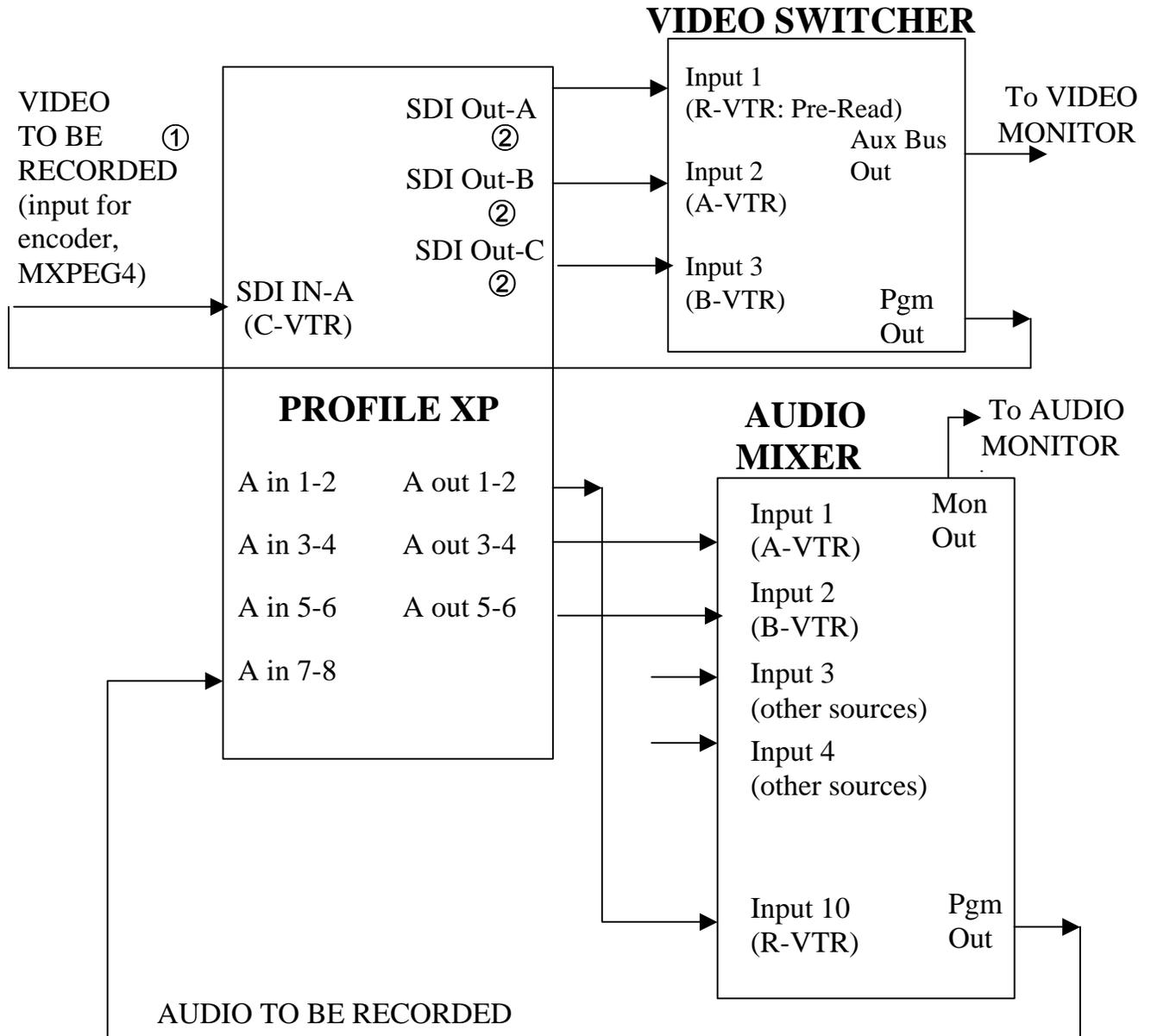
| | |
|----------|--------------------------------------|
| INIT 172 | MPEG1 (MPEG Player #1; decoder 1) |
| INIT 173 | MPEG2 (MPEG Player #2; decoder 2) |
| INIT 174 | MPEG3 (MPEG Player #3; decoder 3) |
| INIT 175 | MXPEG4 (MPEG Recorder #1; encoder 1) |

NOTE: Any file name may be used to define the MPEG-2 Configuration files as long as they begin with the letter "M" (ie., MPG1, MM1, MAMMA1, etc). The actual digitizing/recording channel (Channel 4, CVTR, INIT 175) must have the first two letters "MX" in the file name to designate MPEG-2 and to turn off the XP's input routing control.

Set video timing

Open the *Profile* utility called **Configuration Manager**. On the Menu Bar, select **Q** **System**. The check box near the bottom marked "**Zero Timed Output**"

Diagram 1... The following is a typical set-up for **external video switcher and external audio mixer with FULL VIEW RECORD ON** using Profile SDI outputs for video monitoring through the video switcher aux bus preview.



① Assigned in INIT # 171 (VIDEO OUT=001) and in Profile Configuration Manager, MXPEG4 (encoder)

② Assigned in Configuration Manager, MPEG player 1, 2 & 3

Configuration Manager setups for example in Diagram 1 are...

Channel 1: (R-VTR/Timeline playback)

Video Decoder #1: MPEG Player #1
Video IN: NONE
Video OUT: Typically SDI-OUT A-J14 (#1) [pick your OUT from those available]
Audio IN/OUT: 1 and 2
Timecode Codec: 1
Timecode IN: NONE
Timecode OUT: NONE

Channel 2: (A-VTR)

Video Decoder #2: MPEG Player #2
Video IN: NONE
Video OUT: SDI-OUT B-J14 (#2)
Audio IN/OUT: 3 and 4
Timecode Codec: 2
Timecode IN: NONE
Timecode OUT: NONE

Channel 3: (B-VTR)

Video Decoder #3: MPEG Player #3
Video IN: NONE
Video OUT: SDI-OUT A-J15 (#3)
Audio IN/OUT: 5 and 6
Timecode Codec: 3
Timecode IN: NONE
Timecode OUT: NONE

Channel 4: (C-VTR is named "RCDR" because Full View Record On uses this channel for recording only, not used for playback; the RVTR is the timeline playback)

Video Encoder: MPEG Recorder #1
Video IN: SDI-IN A-J14 (#1)
Video OUT: NONE
Audio IN/OUT: 7 and 8
Timecode Codec: 4
Timecode IN: NONE
Timecode OUT: NONE

Assign Super Edit video cross-points in the Super Edit Assignment page.

R-VTR: (Decoder/MPEG Player #1): Video cross-point X on video switcher
A-VTR: (Decoder/MPEG Player #2): Video cross-point Y on video switcher
B-VTR: (Decoder/MPEG Player #3): Video cross-point Z on video switcher
C-VTR: (Used exclusively for recording only, not playback, hence no cross-point)

Full View Record mode (turn ON w/Init #169); FVR uses Video cross-point 12

If the *Profile* timecode input was set to either **None** (use “Internal Generator”) or **Genlock** (VITC), Super Edit INIT# 165 must be set to “TC FROM GEN”. If the *Profile* timecode input was set to “**External LTC**” timecode, Super Edit INIT# 165 must be set to “TC FROM TAPE.”

NOTE: When changes are made to the **Configuration Manager** while in the NLE mode, you must:

1. Exit the NLE mode via INIT # 100
2. Close all open ProLinks
3. Re-open the desired ProLinks
4. Re-enter the NLE mode via INIT # 100

NOTE: If any resources are changed while ProLinks are running, it is necessary to first turn off Non-Linear mode (INIT# 100) if it is on, shut down all ProLinks, reopen all ProLinks and re-enter Non-Linear mode (INIT# 100).

NOTE: It is necessary to have the C-VTR assigned as **NATIVE** in order to use it as the Recorder. FULL VIEW RECORD will automatically name the C-VTR “RCDR”.

NOTE: INIT# 171 must be set to indicate the *Profile* video output that is externally routed to the *Profile* video input as noted in the section under Configuration file for Channel 4.

NOTE: INIT#179 needs to be set to +001 (instead of the previous 000) for proper record/digitizing.

NOTE: INIT# 164 Join Clip Time must be set to 000 to prevent the MPEG-2 Profile trying to create a mode 2 movie (does not exist in MPEG-2). Any number other than 000 could cause a crash while digitizing footage.

NOTE: INIT# 151 is used to select a Profile directory. The first time NLE or NL Source is accessed with the Profile XP, there will be a Directory Error message. This is due to Super Edit NLE defaulting to INT:\ for its Profile directory and the XP uses an external disk array. Simply select INIT#151, then <NEW> and backspace over INT:\ and type EXT:\. You will now be able to select from any of the current Profile XP directories or create a new one.