Editware
VPE AND SUPER EDIT ENGINEERING

Super Edit™ Software Release --- Version 7.1C

Features contained in the Version 71.C software release includes the following changes made since release V7.1A.

- **AMX 170 Source Register Recall**

Fixed a problem that caused the AMX-170 source register recall to not work properly.

- **Still-Frame not at time 0**

    Fixed a problem where a still-frame programmed to start at any time other than the start of the edit, would be as much as 5 frames off.

- **RCI VDR 5011M Program Motion**

    Fixed a problem that the RCI VDR 5011M program motion speeds over 140% were 'choppy'.

- **RVTR Sync Abort**

    Fixed a problem that on some VTRs if the RVTR sync aborted, it would still record a few frames of video.

- **Shift/Stop**

The Shift/Stop feature was broken in V7.1A and is now fixed.

- **Print EDL**

    The line feed between events has now been restored.

- **Init 74**

    The maximum program crosspoint for GVG-1000/1200 switchers was increased from 18 to 99. This applies to Abekas 8100 switchers using the GVG1000/1200 protocol.

- **Audio Mixer Preview**

    Fixed a problem with E-E systems; in Multi-Record the mixer would not preview.

- **Init 25 (Assemble)**
  Fixed a problem where this option was not showing the proper mode.

- **Trace/409**
  Fixed a problem with Trace & 409 on an SBC4 board with a 151 keyboard; it would display double characters.

- **Key Out**
  Fixed a problem on GVG-3000 and GVG200 switchers where Key Out was not being properly initialized.

- **VTR Cued to Wrong Location**
  Fixed a problem on Sony VTRs and Profile, when changing from timecode to timer mode, the display changed properly, but under some conditions the VTRs mode for cueing did not get changed. (This may have caused the VTR to cue to the wrong location).

- **GVG-2200 Aux Bus Preview**
  Fixed problem with GVG-2200 switcher Aux Bus previews. It will now switch to the crosspoint on the selected M/E.

- **Beta SP 200% Program Motion**
  Frequent synchronization aborts of Beta SP at 200% has been corrected.

- **VPE-331 - Swap and Preview PreSelector**
  Added Swap and Preview PreSelector functions as standard in VPE-331.

The following New or Improved device protocols are now available in Version 7.1C.

- **Panasonic DVC Pro (AJ-D750)**
  The protocol for Panasonic's DVC Pro is now available in Version 7.1C.

- **Panasonic AJ-D360**
  The protocol for the AJ-D360 is now available.

- **Accom RTD - new**
  This is the protocol for Accom's RTD real time disk. Complete setup instructions are included in this document.

- **SMS-6000 - new**
  This is a new protocol for Grass Valley Series 6000 routers. The protocol is available as just a preselector control or as a combination preselector/preview switcher control. Complete setup instructions are included in this document.

- **SMS-7000 - improved**
  The SMS-7000 protocol for Grass Valley's SMS-7000 router was first available in V7.1a. This update adds the option of having the SMS-7000 control both preselector and preview switching for the video but just preselector control for the Audio. A new Init page option in Super Edit enables this special mode of operation. Instructions are included below.

- **Pro*file* - new and improved**
  This interface for Tektronix's Pro*file* disk recorder provides improved accuracy and control.

- **VPR6 - Program Motion Improvements**
  This improvement to the VPR6 interface greatly improves the accuracy of program motion edits.

- **Sony DME-3000**
  The Sony DME-3000 protocol is now available. Complete setup instructions are included in this document.

- **GVG-1200 Improvements**
  This improvement matches the wipe pattern numbers selected in Super Edit to the numbers on the GVG-1200 display. Aux bus previewing is provided, but is subject to a 1 line vertical shift. Complete setup instructions are included in this document.

- **Sony Switcher - Aux Bus Preview**
  Aux Bus Previewing was added to Sony Switcher protocol. Operation is similar to that of Grass Valley switchers.

  Items 73 and 74 on the Super Edit Init Page are defined as follows for the Sony Switcher:

  Init 73 PVW AUX BUS

  > ON -   Enables previewing on the Aux Bus. This is the default condition.
  > OFF - Disables previewing on the Aux Bus. Previewing will be done on the alternate preview device (i.e. E-E, 8466, Performer, etc. depending on the system.

  Init 74 PVW OUT XPT

  > Set this to the Aux Bus crosspoint number assigned to Program Out. The default value is crosspoint 45.

Video Disk Recorder
Accom RTD

TBC	None
Latest Revision	11/95
NTSC/PAL	NTSC/PAL
Control	Direct, RS-422. SMPTE: 38.4Kbaud rate 1 Start bit 8 Data bits Odd Parity 1 Stop bit.
Device Options Required	None
Special Modifications	None
Address	0x80a2 (see system setup below)
Edit Field	Field (selectable on the Recorder)
Edit Modes	Insert
Sync Control	Reference
Motion Control Functions	Jog, Shuttle, Variable, Play, Fast Forward and Rewind
Sync Quality Check	Super Edit: On the Assignment page, set the QC = 3. (As with any device, if difficulty is experienced with synchronization, set the QC = -1.)
Minimum PreRoll	3:00
Postroll	Requires none
Recorder	1.17E 8/19/94 13:09

Software
Version

Super Edit	Version 7.1B or later

Version
System Setups

On the RTD keyboard, Press Normal Play switch, then press the Setup I/0 switch.

Select Remote Setup from the menu.

1. Set the desired RS422 port as follows:

Enable	-	ON
Protocol	-	SMPTE
Baud	-	38.4K
Fld-Dom	-	f1

   For example: if port #1 is selected, the display should look like this:

   RS422 #1A ON SMPTE   38.4K   f1

2. Select CONFIG from the Remote Setup menu. Set the configuration
   parameters as shown below:

Parameter	Set to	(default value)
Edit Delay	4 fields	(default 8)
Edit On Adjust	0	(default 0)
Edit Off Adjust	0	(default 0)
Field Reporting (TC)	OFF	(default ON)
Park Offset (Play)	0	(default 0)
Park Offset (Record	0	(default 0)
Prod ID	128 (0x80) : RTD	(default is same)
Roll Delay (Play)	2 fields (0 fields)	
Roll Delay (Record)	4 fields (0 fields)	
SMPTE Address	1:0x80a2	(default is same)
Time Code Offset	0	0
Transport Delay	0	0

Note: For use as a source, it is very important to set the Roll Delay (Play)
       to 2 fields for accurate synchronization.

Setup Instructions for SMS6000

On the SMS6000

1. Install the serial interface board in the SMS6000. Set all
   five jumpers on the interface board toward the 8 pin IC
   (RS422 operation).

2. Install the User EEPROM in the SETUP/USER socket on the
   main SMS6000 board.

3. Set the DIP switches on the SMS6000 main board to
   UP, DOWN, DOWN, UP.

4. Set the rotary address switch on the SMS main board to 0.
   (If using individual chassis, set the switch on the master
   chassis to 0). The cable from the VPE editor goes to
   the master chassis.

On VPE Editor

1. Setup the Baud rate and parity.

   The baud rate and parity must be set to match the SMS6000.
   The SMS6000 is normally set to 9600 baud, 8bits, NO parity.
   However, the SMS6000 can be set up differently by programming
   the User EPROM.

   The VPE can default to different settings depending which
   port is used. Therefore, be sure to check the default
   setting.

   On the VPE, select the Assignment page by pressing Shift/ASGN.
   Scroll down to the SMS6000 (SMS6K) and change the baud rate
   and parity to match the SMS6000.

2. INIT 46

   Item 46 in the INIT page is used to enable/disable the Video/Audio
   Levels in the SMS6000.

   Set the units digit to 1 to enable Video
   or 0 to disable video control of the SMS6000.

Set the 10's digit to enable or disable Audio 1 or 2 as follows:

        Audio 1 = 1
        Audio 2 = 2
        Both   = 3

For example: To enable video and both audio levels set

      INIT 46 = 31.

      To enable just video only set INIT 46 = 01.

3. Preview Switcher/Preselector options

The SMS6000 protocol can be ordered as both a Preview Switcher and Preselector combination or it may be ordered as just a Preselector. The SMS6000 is not currently available as a Preview Switcher only.

SMS7000 Additional Operation Instructions

1. <u>INIT 46</u>

The 100's digit of INIT 46 is now being used to select the way in which the SMS7000 will be used.

a. 100's digit = 0 (or blank)

Operation is as it was originally. That is; the SMS7000 controls Audio and Video as both Preview Switcher and as Preselector.

b. 100`s digit = 1

Video is controlled by the SMS7000 as both Preview Switcher and Preselector.

Audio is controlled by the SMS7000 as a Preselector Only, not as a Preview Switcher. The preview switching of the audio is performed in the Mixer.

GVG Model 1200 Switcher

Introduction

This describes the interface between Super Edit and the GVG Model 1200 Video Switcher. The following are discussed in the order given:

- Crosspoint selection
- Wipe Patterns
- AUX Bus previewing
- E-MEM transfers
- Learn E-MEM
- PEGS Commands

Crosspoint Selection

Crosspoints are selectable in the range of 1 to 14. Note that XPTs 0 and 1 share the same (leftmost) position on the panel.

Wipe Patterns

There are 20 Wipe patterns available. Select the desired pattern based on the numbering scheme on the Model 1200 panel. Wipe number 1 gives you Model 1200 number 1. To reverse direction, add 100 to the Wipe number.

AUX Bus Previewing

Note: Aux bus previews can be accomplished on the Model 1200. However, the PGM Out of the switcher must be manually routed back into one of the Aux bus inputs that you dedicate for this purpose. A one line delay is normal. If the 1 line delay is not acceptable, this option should not be used.

There are two AUX buses on the Model 1200 and this interface allows use of either bus as a preview switcher. Note however, that if a DVE is connected to the switcher, both AUX Buses are dedicated to the DVE and AUX Bus previewing is disabled.

To enable AUX Bus previewing, access Initialization Page #3 on Super Edit and select Init #73. You will be prompted to enter which AUX Bus to preview on (i.e. 1 or 2). Note that entering a 0 disables the function. 0, 1, or 2 are the only valid entries at the prompt; all others are ignored.

Once Enabled the selected AUX Bus behaves as a video only preview switcher (i.e. switching between the R-VTR crosspoint and the PGM OUT crosspoint. Init page item #74 on Super Edit allows the user to enter PGM OUT crosspoint selection. Valid entries are between 1 and 14. The default setting is 9.

The SWAP VTR feature of Super Edit will interact with the AUX Bus as a preview preselector. The R-VTR crosspoint assignment on the AUX bus will follow any changes made with the SWAP function.

E-MEM Transfers

The E-MEM transfer function with the Model 1200 switcher is the same as with all other GVG switchers. Note however that the EDL display is different in that there are three entries for each E-MEM saved in the list.

There are 20 E-MEM addressable from Super Edit. Bank 0, Register 0 through 9 are addressed as EMEM 0 through 9. And Bank 1, Register 0 through 9 are addressed as EMEM 10 through 19.

Learn E-EMEM

The Learn E-MEM function with the Model 1200 is the same as with the GVG Model 100 switcher. That is; the user may tell the Model 1200 to learn an E-MEM register and pressing **[SHIFT][L]** prompts the user for the register number to learn.

PEGS Commands

A table of PEGS command codes is shown below. Note that PEGS command codes 58 and 68 are uniquely defined for the Model 1200.

Code	Function
1-20	E-MEM RECALL (digit specifies register number)
21	AUTO TRANS
22	DSK MIX
23	FADE-TO-BLACK
50	MIX/AUTO TRANS
51	MIX/KEY1/AUTO TRANS
52	MIX/KEY2/AUTO TRANS
53	MIX/KEY1 & 2/AUTO TRANS
54	MIX/BKGD/AUTO TRANS
55	MIX/BKGD/KEY1/AUTO TRANS
56	MIX/BKGD/KEY2/AUTO TRANS
57	MIX/BKGD/KEY 1 & 2/AUTO TRANS
58	EFFECTS SEND ON
60	WIPE
61	WIPE/KEY1/AUTO TRANS
62	WIPE/KEY2/AUTO TRANS
63	WIPE/KEY 1 & 2/AUTO TRANS
64	WIPE/BKGD/AUTO TRANS
65	WIPE/BKGD/KEY 1/AUTO TRANS
66	WIPE/BKGD/KEY2/AUTO TRANS
67	WIPE/BVKGD/KEY 1 & 2/AUTO TRANS
68	EFFECTS SEND OFF