Appendix A: System Differences

Introduction

This appendix consists of Table A-1 which lists the hardware differences and Table A-2 which the software differences between the Editor models of the VPE series. The tables are included here as a convenience for you.

Table A-1. VPE SERIES EDITING SYSTEMS HARDWARE DIFFERENCES

	VPE-331	VPE-341	VPE-351
RAM	1.5Mb	2Mb	4Mb
VTRs Assignable	7	7	14
Std Keyboard	K2	K2	K2
Opt. Keyboards	K3	K3	K3, K5
Pvw Switcher	Optional	Optional	Optional
Upgradability	VPE-341, VPE-351	VPE-351	–

Table A-2. VPE EDITING SYSTEMS SOFTWARE DIFFERENCES

	VPE-331	**VPE-341**	**VPE-351**
VTRs Controlled	4	7	14
EDL Lines	2001	8004	16008
Bins	1	4	8
SWAP	-	yes	yes
Pvw Preselector	-	yes	yes
Configs in RAM	25+	50+	50+

Appendix B: Port Availability With Options

Introduction

Tables B-1 through B-6 indicate the Serial Port availability for the VPE-300 Series systems when configured with specific video production products.

Table B-1. VPE System VTR Port Availability With GVG Model 100/110, 200 Family, GVG Model 300, 1000, 3000, 4000, GVG Kadenza or Ampex Vista

OPTION	VPE-331	VPE-341	VPE-351
E-E Preview	OK (no port)	OK (no port)	OK (no port)
8465 Preview	PORT 7	PORT 7	PORT 7
8466 Preview	VID CTL	VID CTL	VID CTL
Performer Preview	PORT 7	PORT 7	PORT 7
ESP-1 (TBC Ctl)	PORT Ø	PORT Ø	PORT Ø
Preview Preselector	PORT 7*	PORT 7*	PORT 7*
Kadenza	not available	PORT 1	PORT 1

* If 8465 is used, then Preselector is on PORT 6.

NOTE: *When PORT 1 through PORT 7 are used for devices in the previous table, the number of ports available for VTRs are correspondingly reduced.*

Table B-2. VPE System VTR Port Availability With GVG TEN-XL/Performer, GVG Model 1600/1680, Ross, CDL, Ampex AVC or Century

OPTION	VPE-331	VPE-341	VPE-351
E-E Preview	not available*	not available*	not available*
8465 Preview	PORT 7	PORT 7	PORT 7
8466 Preview	PORT 4	PORT 4	PORT 4
Performer Preview	not available	not available	not available
ESP-1 (TBC Ctl)	not available	not available	not available
Preview Preselector	not available	not available	not available

* E-E is supported with Ross (with Ross Encore option).

NOTE: *When PORT 1 through PORT 7 are used for devices in the previous table, the number of ports available for VTRs are correspondingly reduced.*

Appendix C: K3 Keyboard Information

Introduction

This appendix consists of information about the K3 Keyboard. The information includes the following:

1. A list of new features
2. Embedded functions
3. Embedded alpha character keystrokes
4. A procedure to adjust keyboard sensitivity
5. A procedure to upload / re-upload keyboard software
6. Troubleshooting after uploading keyboard software
7. Settings of the internal keyboard DIP switches

1. K3 Keyboard New Features

The following is a list of special features that have been added to the K3 Keyboard:

- LED display of the current VTR (green key).
- LED display of motion state (REW, FF, etc.) of VTR (blue keys).
- LED display of individual V, A1, A2, A3, A4 selections.
- Volume control of a remote audio monitor when using an 8466 Preview Switcher.
- Use of a PC or a K2 Keyboard for text entry.

1. K3 Keyboard New Features (continued)

- Current Shuttle or Variable speed can be programmed into [FF] or [REW] keys. (Pressing [FF] or [REW] twice in succession returns to normal FF or REW speed.)
- [ALT][SEARCH] searches to Out point.
- Use of the beige [CLEAR] key for numeric entries.
- Use of Cue to Preroll and Select New VTR to automatically switch Jogger control to either R-VTR or Source VTR.
- Pressing [SHIFT][WIPE] performs the same function as [SHIFT][DISS] except for a Wipe.
- The LED on the [RECORD] key flashes for 2 seconds each time the [RECORD] key is pressed.
- All selected V and As flash when in the Assemble Mode.
- [SHIFT][↑], [SHIFT][↓], [SHIFT][←], and [SHIFT][→] are usable for editing Macros.
- LED modes are displayed during setup of an ALT SPLIT edit.

2. Embedded Functions

[SHIFT][ALT][CTRL][V] toggles status requests to the Editor On / Off.

[SHIFT][ALT][CTRL][A1] turns Audio Level On.

[SHIFT][ALT][CTRL][A2] turns Audio Level Off.

[SHIFT][ALT][CTRL][RESET] resets the keyboard.

[SHIFT][ALT][CTRL][ENTER] returns to the Main Menu from RT-11.

[SHIFT][ALT][CTRL][BEGIN(7)] reloads Super Edit.

[SHIFT][ALT][CTRL][CLR] prepares for upload of keyboard software.

Hold [2] and re-plug in keyboard to re-initialize keyboard.

3. Embedded Alpha Character Keystrokes

A	=	[REC VTR]	or	[ALT][A-VTR]
B	=	[SLOW]	or	[ALT][B-VTR]
C	=	[PLAY]	or	[ALT][C-VTR]
D	=	[B-VTR]	or	[ALT][D-VTR]
E	=	[PREVIEW VVV]	or	[ALT][E-VTR]
F	=	[C-VTR]	or	[ALT][F-VTR]
G	=	[D-VTR]	or	[ALT][AUX]
H	=	[E-VTR]	or	[ALT][BLK]
I	=	[SHIFT][V]		
J	=	[F-VTR]		
K	=	[AUX]		
L	=	[BLK]		
M	=	[MARK IN]		
N	=	[SHIFT][CUE]		
O	=	[SHIFT][SPLIT]		
P	=	[CUT]		
Q	=	[AUTO ASMB]		
R	=	[BVB]	or	[ALT][REC VTR]
S	=	[A-VTR]		
T	=	[VBV]		
U	=	[SHIFT][A1]		
V	=	[STOP]		
W	=	[REPLAY]		
X	=	[FF]		
Y	=	[SHIFT][A2]		
Z	=	[REW]		
*	=	[SHIFT][DEL]		
.	=	[CONST]		
:	=	[MULTI FILL]		
;	=	[ALT TC]		
-	=	[-]		
/	=	[RESET]		
=	=	[UNDO]		

4. Keyboard Sensitivity Adjustment

Note that the K3 keyboard sensitivity adjustment does not require routine adjustment. Erratic or unreliable operation may be a symptom of an actual fault with the keyboard. Refer to "Tips on using the Touch Control Jogger" supplied with your keyboard.

Some versions of the K3 keyboard will have two holes in the bottom cover. One hole is located over the internal reset switch, and one hole is above the sensitivity adjustment potentiometer. If you have a keyboard with two holes in the bottom cover, proceed to Step 5; if not, complete following steps:

CAUTION

To prevent static damage to sensitive components, use a grounded wrist strap, mat, and tools when handling components and printed circuit modules.

1. Turn the system power OFF, disconnect the keyboard from the editor, and place the keyboard on a static-free work surface where you can disassemble it.

2. Position the keyboard on a stable padded surface, and remove the six screws that hold the bottom cover onto the plastic housing.

3. Lift the bottom cover by rotating the bottom edge upward, and turn it over. Note that there are three cables attached between the cover and the module assembly.

4. Reconnect the keyboard cable.

5. Locate R53 in the upper right corner of the keyboard module. R53 is located beneath the right-most hole on the "two-holed" keyboard systems. Located to the left of R53 is an LED that will assist this adjustment procedure.

6. Firmly grasp the outer ring of the jog knob, but do not touch the metal center. Adjust R53 anti-clockwise until the LED lights. Then slowly adjust R53 clockwise slightly until the LED flickers off.

7. For the keyboards with two holes in the bottom cover, the adjustment procedure is complete. For the keyboards that require the bottom cover to be removed, replace the six screws that secure the cover to the keyboard case.

Should this procedure not correct your operational problem, please contact Editware Customer Service.

5. Uploading/Re-uploading Keyboard Software

Note that you should not have to re-upload keyboard software as your K3 Keyboard was shipped with software already uploaded. However, if a problem occurs or if you receive an updated version of keyboard software, use the following procedure to upload / re-upload keyboard software.

1. Insert the supplied K3 Keyboard disk into DFØ.

2. Disconnect the keyboard. While re-connecting the keyboard cable, simultaneously hold the **[2]** key down and press the reset button, located on the back of the K3 keyboard case.

The software takes 1 to 2 minutes to upload and the Super Edit Main Menu appears. Note that this procedure does not erase your EDL or adversely affect the Super Edit program currently running.

6. Troubleshooting After Downloading

If the Super Edit Main Menu does not appear after any of the download procedures given above, perform the following:

1. Disconnect and then re-connect the K3 Keyboard.

2. Perform the full re-load procedure listed in Item 5 above.

3. If a problem still exists, and a K2 Keyboard is available:

   a. Disconnect the K3 Keyboard.

   b. Connect the K2 Keyboard.

   c. Access the RT-11 prompt (RT>).

   d. At the RT-11 prompt, enter @DF:LOADKB and press [ENTER].

   e. Disconnect the K2 Keyboard.

   f. Re-connect the K3 keyboard while simultaneously hold the **[2]** key down and press the reset button, located on the back of the K3 keyboard case.

   g. After approximately 15 seconds, insert the Distribution Disk in Drive Ø.

In approximately two (2) minutes the Super Edit Main Menu should appear. If the problem still occurs, contact Editware Customer Service.

7. Internal Keyboard DIP Switch Settings

There are two internal keyboard DIP switches: SW1 and SW2. Each DIP switch consists of 8 switches identified as SW1-1 through SW1-8 and SW2-1 through SW2-8. A switch is Off or Open and On or Closed.

For SW1, normal settings: SW1-1 and SW1-6 through SW8 Off; SW1-2 through SW1-5 On. It is recommended that these settings not be changed.

For SW2, SW2-1, SW2-7, and SW2-8 are not used. Functions of the remaining SW2 switches are described as follows:

SW2-2 Off selects a normal Split when the [SPLIT] key is pressed; On selects Alt Split when the [SPLIT] key is pressed.

SW2-3 with an 8466, Off provides normal audio control. If level control is reversed, On corrects direction.

SW2-4 Off inhibits output of slide volume control data.

SW2-5 provides normal green key mapping (i.e., R, A, B, etc.) On remaps these keys to A, B, C, . . ., R.

SW2-6 Off inhibits request of status reports from Super Edit.

Appendix D: K2 Keyboard Information

Introduction

This appendix consists of information about the K2 Keyboard. The information includes the following:

1. A procedure to manually override the Jog Knob automatic mode

2. A procedure to adjust the keyboard sensitivity

1. Manual Override of Jog Knob Automatic Mode

To manually override the automatic mode of Jog Knob operation, simultaneously press the right-hand [SHIFT] and [VAR] keys. The keyboard beeps once. Repeatedly pressing [VAR] now switches your from Shuttle to Variable, to Jog, and back to Shuttle.

To re-enter the automatic mode from the manual mode, simultaneously press the right-hand [SHIFT] and [VAR] keys.

Note that for quick reference, a decal with the above information is affixed to the underside of the K2 Keyboard.

2. Keyboard Sensitivity Adjustment

Note that the K2 keyboard sensitivity adjustment does not require routine adjustment. Erratic or unreliable operation may be a symptom of an actual fault with the keyboard. Refer to "Tips on using the Touch Control Jogger" supplied with your keyboard. However, if your keyboard is responding erratically, complete the following adjustment procedure:

CAUTION

To prevent static damage to sensitive components, use a grounded wrist strap, mat, and tools when handling components and printed circuit modules.

---

1. Turn the system power OFF; disconnect the keyboard from the editor, and place the keyboard on a static-free work surface where you can disassemble it.

2. Position the keyboard on a stable padded surface, and remove the jog knob. To do so, pull off the rubber ring that surrounds the knob and use a 1/16" hex wrench to loosen the 2 set screws inside the rim of the knob. Then lift the knob off the shaft. (The knob may be snug; use a firm grip.)

3. Turn the keyboard upside down and remove the six screws that hold the bottom cover onto the plastic housing.

4. Remove the bottom cover.

5. Reconnect the keyboard cable.

6. Locate the small hole in the lower left corner of the Keyboard module to the right of the "Softpot" Jogger assembly. Through this hole, the trim pot used to light the LED can be adjusted. Located near the hole is an LED that will assist this adjustment procedure.

7. Firmly grasp the outer ring of the jog knob, but do not touch the metal center. Adjust the trim pot anti-clockwise until the LED lights. Then slowly adjust the trim pot clockwise slightly until the LED just flickers off.

8. Return the module to the keyboard case, reinstall the jog knob (as necessary), and replace the six screws that secure the cover to the keyboard case.

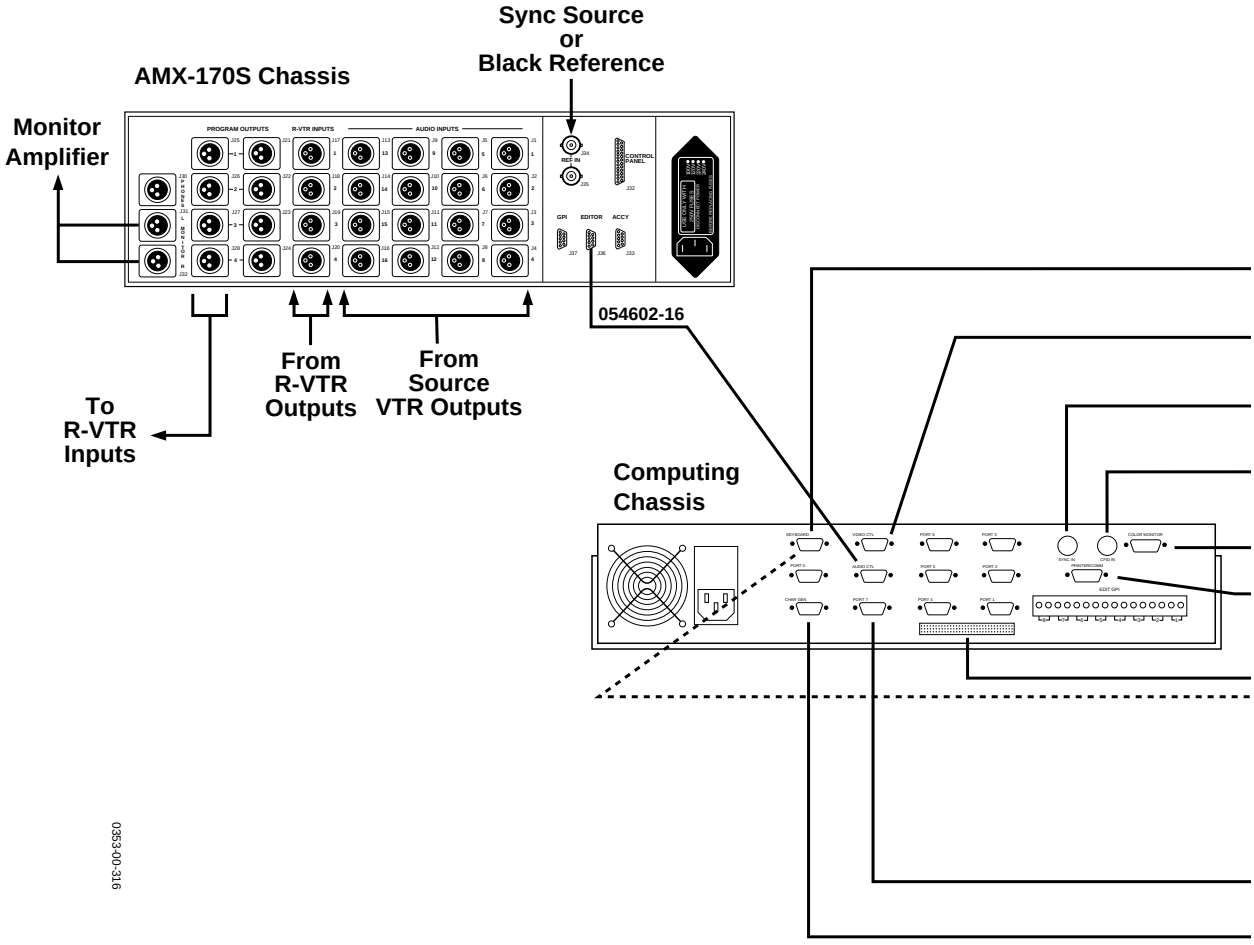
Should this procedure not correct your operational problem, please contact Editware Customer Service.

Appendix E: Interconnecting Diagrams

Introduction

This appendix consists of interconnecting diagrams as examples of installations. Your system may not be exactly as diagrammed.

Figure E-1 is an example of interconnection of a system without an 8466 Preview Switcher.



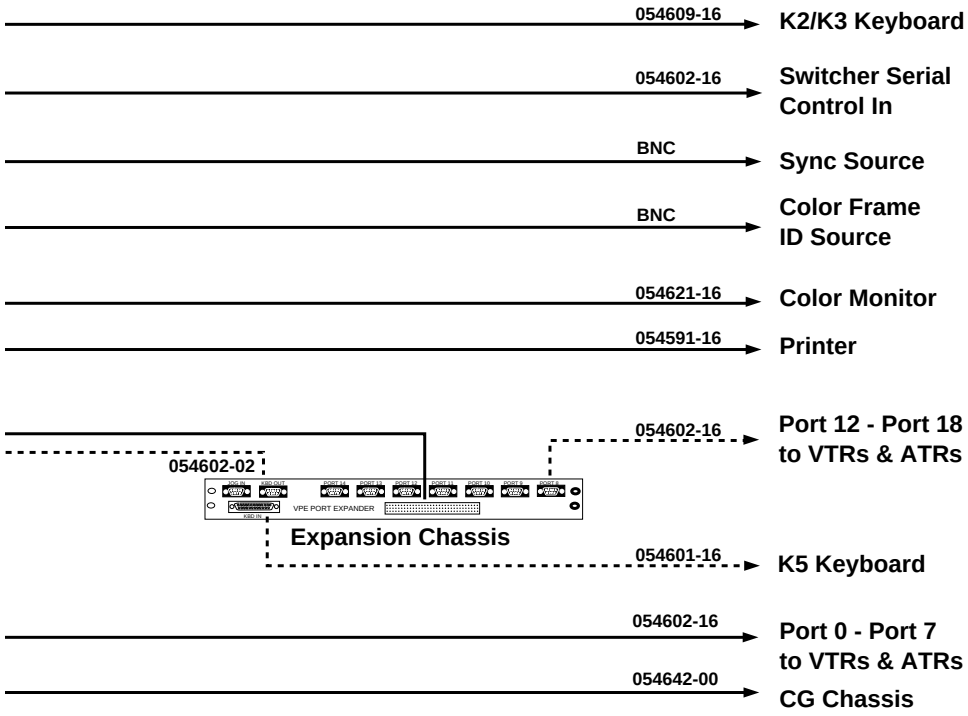
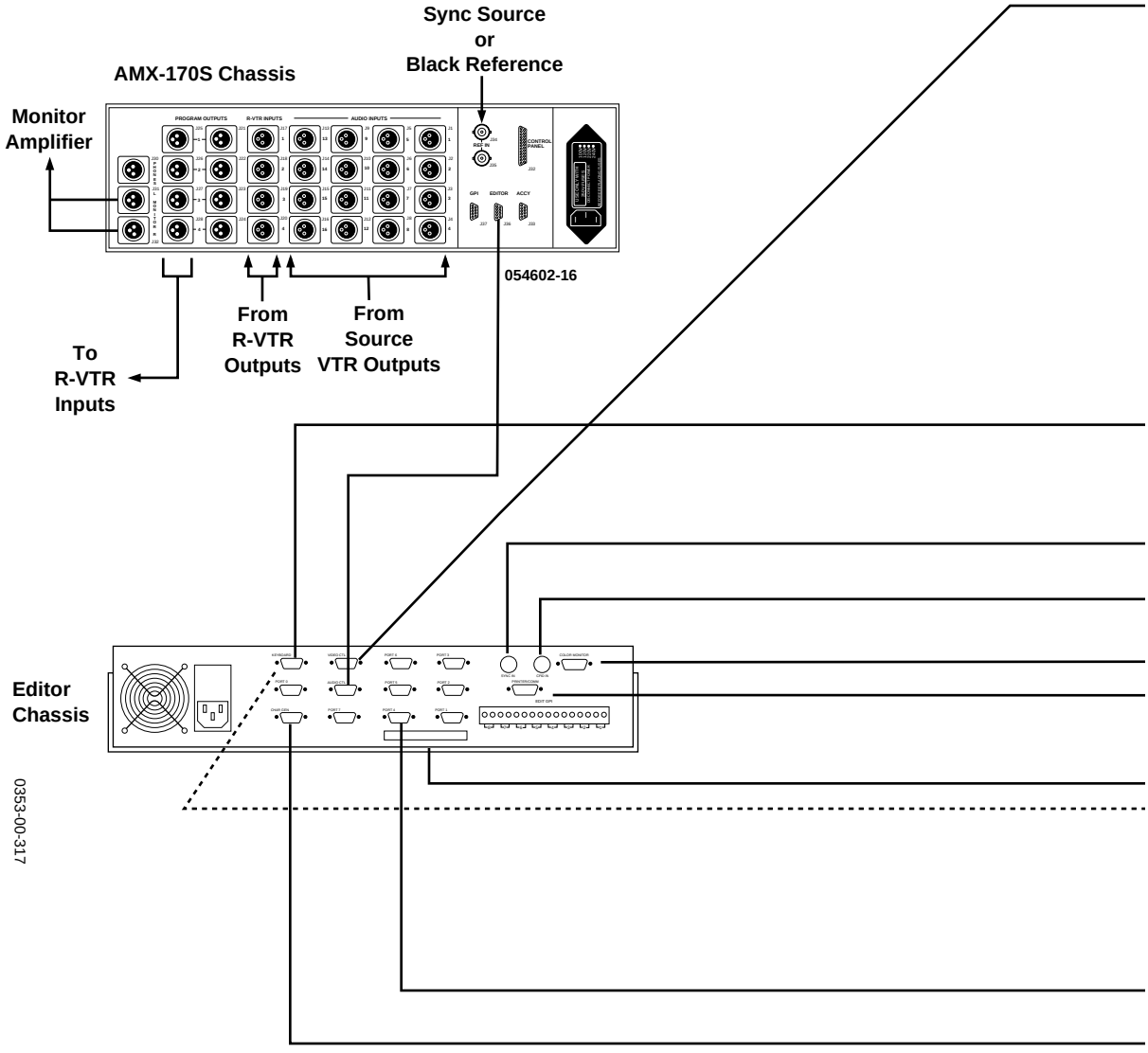


Figure E-1. Example of System Interconnection Without an 8466 Preview Switcher

Figure E-2 is an example of interconnection of an Editing System with an 8466 Preview Switcher.



----- = If using the optional K5 Keyboard

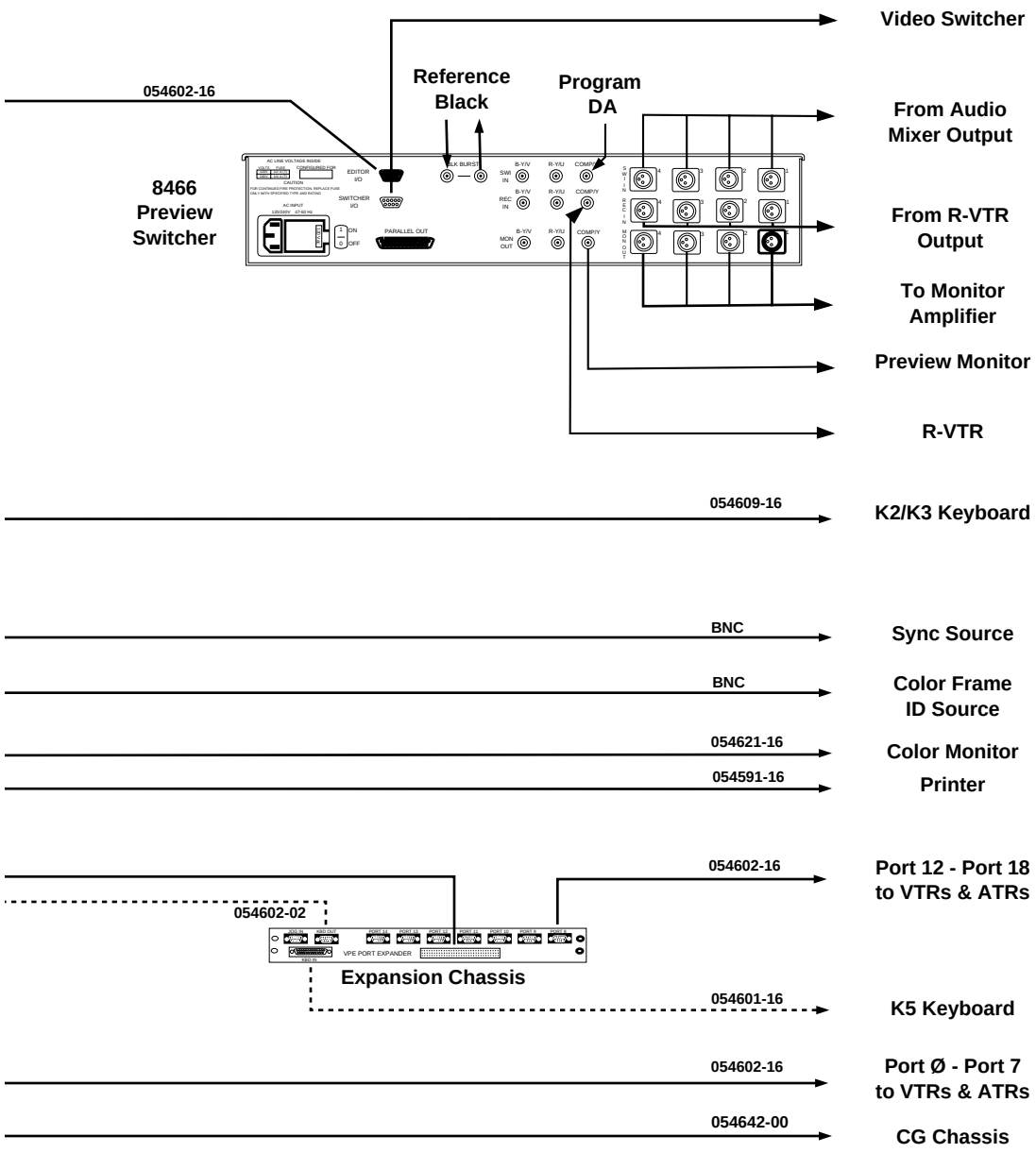


Figure E-2. Example of System Interconnection With an 8466 Preview Switcher

Appendix F: System Software Installation

Introduction

This appendix provides detailed instructions on how to install Super Edit™ software. It is provided here in the event that your Editor fails to boot up when it is turned on. That is, the Main Menu as described in Section 3, Turning Power On, does not appear. Or these instructions may be used in the event the program crashes.

Installing System Software

Note that Super Edit™ is on two (2) Floppy Disks.

The procedure to initially install Super Edit™ software is as follows:

1. Insure that the WRITE ENABLE / DISABLE tabs on the disks are in the WRITE ENABLE (down or closed) position.

NOTE: *Upon receipt of the Super Edit™ software, it is recommended that the UTILITIES, and PROGRAM disks be duplicated for your software library archives.*

---

2. From the Main Menu, press [←] until the RT prompt (RT>) appears.

3. Insert the floppy disk labeled UTILITIES into the DFØ Floppy Disk drive (the slot on the right).

4. Enter BOO DF: and then press **[RETURN]**. This re-boots the system from the Floppy Disk and begins program installation.

5. You are given a choice of doing anUPDATE, an INSTAL or you may answer NO to both and install the system on RAM DISK.

An UPDATE only copies all files necessary to update to the latest version of Super Edit™ ; all other files remain untouched on the system disk. (This is the usual way to update to the latest version.)

An INSTAL erases all files on the system disk. That is, all config files, EDL files, and macros currently on the system disk will be lost. This choice is used to return the system to the state it was in from the factory. (If your system is in an unknown state, or if you prefer starting from scratch, select INSTAL. However, do remember that all files on the system disk will be erased.)

Installing to RAM Disk is not intended for normal operation. In this option, the system software is put into battery-backed RAM rather than on the Hard Drive. If the Hard Drive should fail, chose this option. The installation process is the same as given below.

6. The installation process begins. During installation, various messages appear on the screen and some files are copied to the system disk. Once these files have been copied, the system boots to the system disk to complete the installation process and more files are copied to the system disk.

   You will then be prompted to insert the PROGRAM disk. This disk contains the Super Edit™ files.

7. At the prompt, remove the UTILITIES disk from DFØ: and replace it with the disk labeled PROGRAM. The system prompts:

   PRESS ENTER OR RET WHEN READY.

8. Press **[ENTER]** or **[RETURN]**. The Super Edit™ files are then copied to the system disk (or RAM).

9. After all files have been copied, the system boots to the Main Menu. At this point, installation of the software is complete and the system is ready to use. Remove program disk, and store appropriately.