

Abekas 6000

MultiFlex ■ DTV Server



Sony BVE-9100 Editor Interface

4 March, 2003

VERSION 4.0.0



Background

This document details the engineering setups required in both the Abekas 6000 video server and the Sony BVE-9100 editing system when controlling the Abekas 6000 from the Sony BVE-9100 Editor.

NOTE

The Abekas 6000 must be fitted with software version 4.0.0 or greater, and associated firmware upgrades in order for the Sony BVE-9100 Editor to function properly with the Abekas 6000.

■ Abekas 6000 Setup

The following parameters in the Abekas 6000 REMOTE SETUP menu must be set to the indicated values in order for the Sony BVE-9100 editor to control the Abekas 6000 accurately:

```
TC Field Report = OFF
Clip Edit Delay = 0 Fields
Input Delay     = -20 Fields
Play TC Offset  = 0 Fields
Remote ID       = A6000
```

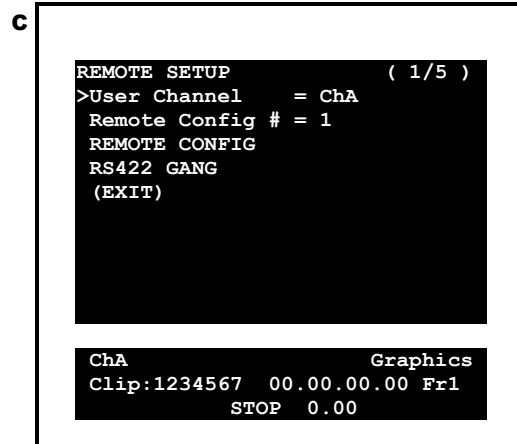
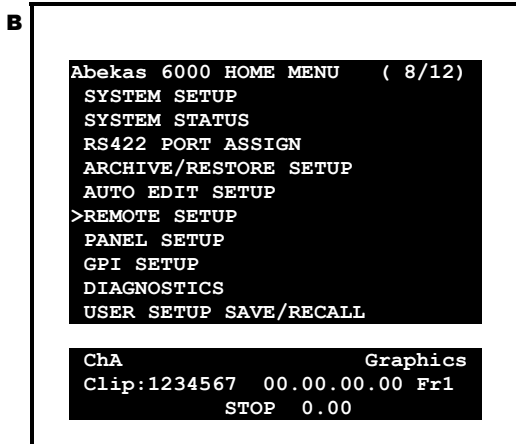
The following parameters in the Abekas 6000 REMOTE SETUP are of no importance for accurate control of the Abekas 6000 from the Sony BVE-9100 editor:

```
Remote New Trks = (Doesn't Matter)
Remote V Enable = (Doesn't Matter)
Remote Rec Enbl = (Doesn't Matter)
Louth Preview   = (Doesn't Matter)
Max Rec Length  = (Doesn't Matter)
Report EE TC    = (Doesn't Matter)
```

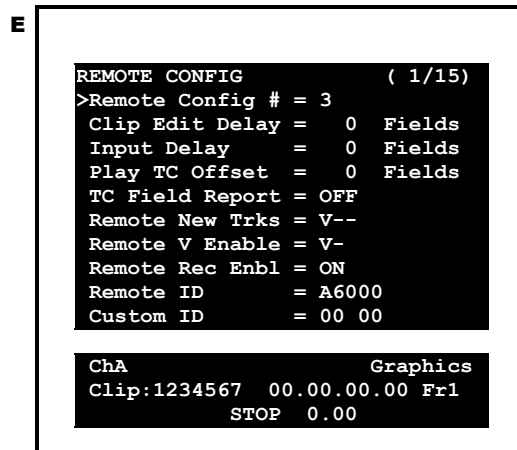
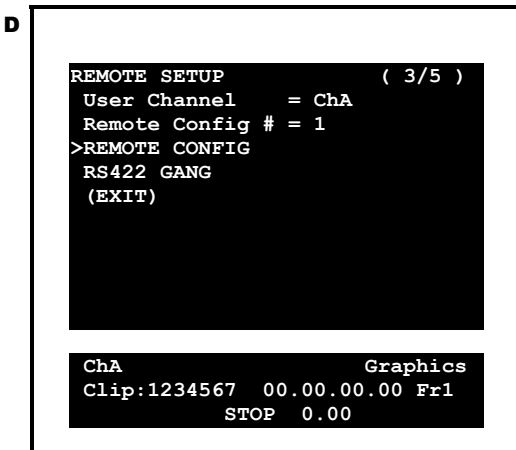
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Follow these simple steps to change the current setting of the edit timing parameters in the REMOTE SETUP menu.

- A. On the Abekas 6000 control panel, select the channel button for the video channel that is being controlled by the Sony Editor. For this procedure, we will assume Channel A is being controlled. Therefore, press the **Ch A** button.
- B. Turn ON the menu display in the on-screen display (OSD) for this channel, by toggling the **Menu** button on the Abekas 6000 control panel. Turn the rotary knob to point the selection cursor (>) at the REMOTE SETUP item in the OSD menu display.
- C. Press the **TAKE** button. This action selects the REMOTE SETUP sub-menu.

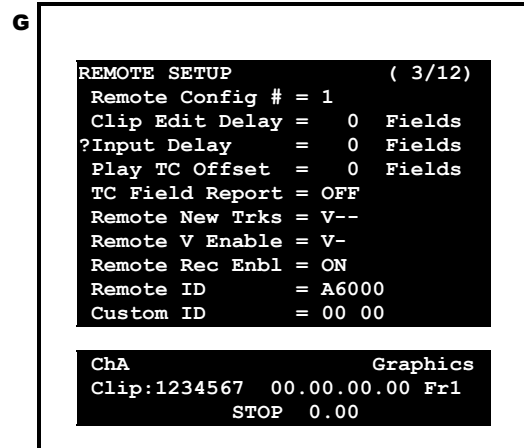
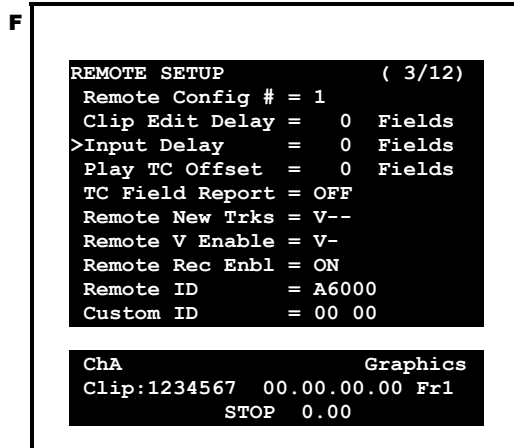


- D. Turn the rotary knob to point the selection cursor (>) at the REMOTE CONFIG item in the OSD menu display.
- E. Press the **TAKE** button. This action selects the REMOTE CONFIG sub-menu:

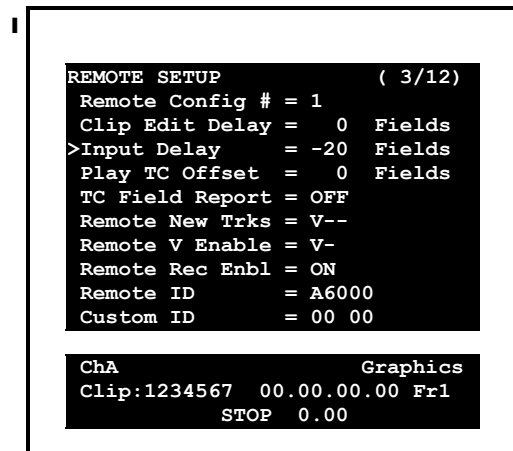
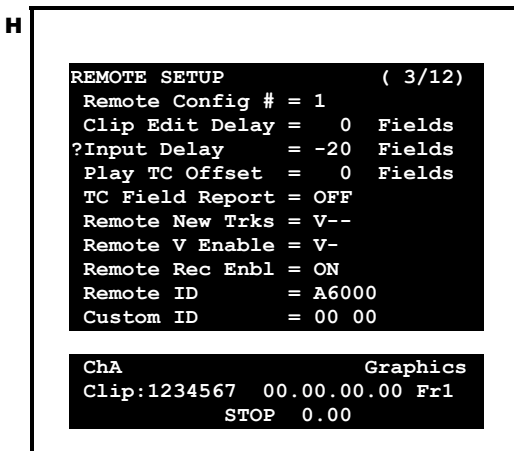


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- F. Turn the rotary knob to point the selection cursor (>) at the "Input Delay" item in the OSD menu display.
- G. Press the **TAKE** button. This causes the selection cursor to become a question mark (?) in front of the "Input" item in the OSD.



- H. Turn the rotary knob counter-clockwise to change the "Input Delay" parameter to equal "-20 Fields".
- I. Press the **TAKE** button. This action sets the value, and causes the selection cursor to again become a carat mark (>) in front of the "Input Delay" item in the OSD.



- J. Review the other parameters in this REMOTE SETUP menu, and use the procedure similar to the one outlined above to set the parameters as shown in diagram **I** above. Refer to the list on page 1 for the parameters that must be changed for accurate control of the Abekas 6000 from the Sony BVE-9100 editor.
- K. **IMPORTANT:** Repeat the above procedure for any other video channels that will be controlled by the Sony Editor.
- L. **IMPORTANT:** After all the REMOTE SETUP parameters have been set, be sure to exit this menu and SAVE these parameters into the USER SETUP SAVE/RECALL menu.

■ Sony BVE-9100 Editor Setup

The "IDC" parameters in the Sony BVE-9100 editor for the RS422 serial control port(s) that are connected to the Abekas 6000 server must be set to the indicated values in order for the Sony BVE-9100 editor to accurately control the Abekas 6000 server. First verify the software versions in the Sony Editor. They must be at the following release versions (or greater):

```
BVE9100   Operating System       = BZE-9102
          Kernal SRMS           = 2.20 (or greater)
          Software Version      = 2.50 (or greater)
          IDC Version           = 2.40 (or greater)
```

BVE-9100 Editor "IDC" Constants

525 Line Standard			625 Line Standard		
IDC CONSTANT SET 1			IDC CONSTANT SET 1		
Byte Val		Description	Byte Val		Description
====	====	=====	====	====	=====
1	F0	Device Type, Byte 1	1	F1	Device Type, Byte 1
2	A6	Device Type, Byte 2	2	A6	Device Type, Byte 2
3	00	Preroll Time, Byte 1	3	00	Preroll Time, Byte 1
4	00	Preroll Time, Byte 2	4	00	Preroll Time, Byte 2
5	18	Edit Delay	5	18	Edit Delay
6	18	EE Delay	6	18	EE Delay
7	00	Over Run	7	00	Over Run
8	82	Trajectory	8	82	Trajectory
IDC CONSTANT SET 2			IDC CONSTANT SET 2		
Byte Val		Description	Byte Val		Description
====	====	=====	====	====	=====
1	00	TC Read Delay	1	07	TC Read Delay
2	08	Start Delay	2	07	Start Delay
3	FF	After Sync Delay -	3	FF	After Sync Delay -
4	00	After Sync Delay +	4	00	After Sync Delay +
5	01	Mode 1	5	01	Mode 1
6	3C	Mode 2	6	33	Mode 2
7	FF	Maximum PreRoll Speed	7	FF	Maximum PreRoll Speed
8	1E	Quick Pvw PreRoll Time	8	19	Quick Pvw PreRoll Time
IDC CONSTANT SET 3			IDC CONSTANT SET 3		
Byte Val		Description	Byte Val		Description
====	====	=====	====	====	=====
(No important settings in Constant Set 3)			(No important settings in Constant Set 3)		
IDC CONSTANT SET 4 (VTR CONFIGURATION)			IDC CONSTANT SET 4 (VTR CONFIGURATION)		
Byte Val		Description	Byte Val		Description
====	====	=====	====	====	=====
1	01	Mode Jog/Var Sync/A4	1	01	Mode Jog/Var Sync/A4
2	00	Freeze Delay	2	00	Freeze Delay
3	88	Jog Dial Constant 1	3	88	Jog Dial Constant 1
4	81	Jog Dial Constant 1	4	81	Jog Dial Constant 1
5	04	Shuttle Dial Constant	5	04	Shuttle Dial Constant
6	00	Max PP Speed	6	00	Max PP Speed
7	01	Seg Play Stuff	7	01	Seg Play Stuff
8	00	Seg Play Proc Delay	8	00	Seg Play Proc Delay

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BVE-9100 Auto Configuration

To allow the Sony BVE-9100 editor to automatically set the IDC parameters whenever the Abekas 6000 is connected to the editor, perform the following procedure.

- A. Copy the file **vtrc30.idt*** from the BVE-9100 editor onto a floppy disk. Use the DISK key on the BE-9100 editor to select the file menu and select file **vtrc30.idt***. Copy this file onto a floppy diskette.
- B. It's strongly suggested to also make a backup copy of this file in the Sony editor, in case anything goes wrong.
- C. Insert the floppy diskette into a standard Windows PC, and use the "WordPad" program to open the file.
- D. Add the following two lines into the **vtrc30.idt*** file — the first line is a comment, the second is the parameter table for the Abekas 6000. Notice the first two bytes of the parameter table are the Abekas 6000 machine ID (F0 A6):

```
# Abekas 6000  
F0 A6 00 00 18 18 00 82 00 08 FF 00 01 3C FF 1E 01 00 88 81 04 00 01 00
```

- E. Copy the **vtrc30.idt*** file back onto the editor and then reboot the editor.
- F. On the BVE-9100 editor, enable the "Auto Config" mode. With the above modified **vtrc30.idt*** file, the BVE-9100 editor will recognize the "A6000" remote ID and will automatically change it's constants accordingly.

** If you are using the Abekas 6000 in 625 line standard, then use the file **vtrc25.idt** instead.*

END