

## Getting Started

**WARNING:** Do not view any valuable or important films until the Velocity DSP Electrical Alignment has been performed. The capstan may be unstable or spin out of control at high speed before the tach signal levels have been set.

1. Make sure that the Capstan switch (**SW2**) on the Supervisor is set to the “**On**” mode.
2. Connect a VT100 compatible terminal to the Servo Rack Connector Panel at **P6**. This is a standard 9-pin IBM PC/AT compatible DE9S connector and pinout. Refer to Table 26. The communication parameters are **19.2K baud, 8 bits, no parity**.

**Note:** Communications interface programs that run under Microsoft Windows (such as ProComm or Windows Hyper Terminal) can be difficult to implement with the Meta-Speed software. Using a DOS level interface or dumb terminal is best.

Meta-Speed SRCP P6 DE9S		PC/AT DE9P		Terminal (DCE) DB25P	
Pin	Signal	Pin	Signal	Pin	Signal
2	SV2 Transmit Out	2	Receive	3	Receive
3	SV2 Receive In	3	Transmit	2	Transmit
4	SV2 DTR In (Note 1)	4	DTR (not used)	6	DSR (not used)
5	Signal Ground.	5	Signal Ground	7	Signal Ground
<b>Note:</b> DTR input is only used for initial program loading. Not normally connected.					

**Table 26 - RS 232 Signals**

3. When the terminal has been connected to the SRCP2 panel, place the Velocity DSP Board on an extender and apply power to the system.
4. Confirm that the Home Menu is displayed on the terminal (see page 65).
5. Press **Ctl-R** to view the Setup Menu.
6. **MkIII** and **Turbo** users should set the following parameters. Pressing the appropriate keys will toggle between the choices for each parameter (see overleaf).

## Getting Started (cont.)

### MkIII and Turbo Defaults

#### SETUP MENU (Ctrl-R)

**D** Local .....Analog Normal\*  
**F** Remote 1..... Analog Normal\*  
**G** Remote 2.....Analog Normal\*

**H** Gate Coding = MkIII  
**I** URSA Low Speed = False  
**K** Digiscan Delay = 0 \*\*  
**L** Speedbus Slave Mode = False  
**W** URSA Digital Scans = False

\* For **MkIIIB** set to FastFwd/FastRev

\*\* This setting is dependent on the type of framestore used. Experience indicates that Quattroscan, URSA and Turbo 3 machines require a setting of **1**, while MkIIIB and MkIIIC, Turbo and Turbo 2 machines require a setting of **0**. If this setting is incorrect, picture framing will be inconsistent at speeds below 16 fps.

7. Press **Ctrl-W** to view the Gate Menu, and ensure that the various gate parameters match the gate that is presently mounted on the machine (see page 69).
8. Return to the Setup Menu and save the parameters which were previously set. Press **Memory, Save, Yes** and **Yes** to perform a save.

LINE	16-73	NO PRINTER
FPS: 32.054 (32.086 - 0.1%)	<b>SETUP MENU</b>	(Q for Home Menu)
<b>A</b> ArmInfo Available..... True	<b>M</b> Memory Save/Recall	
<b>B</b> Biphase Capstan Tach..... True	<b>N</b> Film Speed Override Type..... Off	
<b>C</b> FrameInt Delay(uS) NTSC..... 0	<b>O</b> Sprocket LED1 current..... 100%	
<b>C</b> FrameInt Delay(uS) PAL..... 0	<b>P</b> Sprocket LED2 current..... 100%	
<b>Shuttle vs. FastFwd/FastRev Logic</b>		
<b>D</b> Local..... Analog Normal	<b>S</b> Port 1..... Off	
<b>F</b> Remotel..... Analog Normal	<b>T</b> Port 2..... Off	
<b>G</b> Remote2..... Analog Normal	<b>U</b> Port 3..... Remote Panel	
	<b>V</b> Port 4..... Off	
<b>H</b> Gate Coding..... MkIII	<b>W</b> Ursa Digital Scans..... False	
<b>I</b> Ursa LowSpeed available..... False	<b>X</b> Main Biphase Framing..... 0.0000	
<b>J</b> Drive Pulse Timing (NTSC) 301.000	<b>Y</b> Main Biphase Cycles..... 1	
<b>J</b> Drive Pulse Timing (PAL) 346.000	<b>Z</b> Mag Biphase Cycles..... 10	
<b>K</b> Digiscan Delay..... 0	<b>^X</b> Exit Program	
SpeedBus Slave Mode..... False		

Typical Setup Menu