Leitch VIA32 (256×256 or Smaller)

Requirements

- Router Control software option
- The VIA32 must be equipped with the optional internal serial transmit/receive hardware to allow RS-422 communication.
- Serial Interface Cable (DB9 to DB9)
  - › The Leitch VIA32 can use either RS-232 or RS-422 communications. For RS-232, use a straight-through cable pinout.

Port Connections

	Switcher		Router
Communications	REMOTE Port (female)	⇨	Serial Control Port (male)
Video	Input BNC	⇨	Output BNC

Cable Connectors

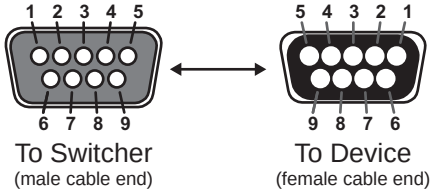

Figure 1 *DB9 to DB9 Cable*

Pinouts

Switcher	VIA32
2 (Rx-)	2 (Tx-)
3 (Tx+)	3 (Rx+)
7 (Rx+)	7 (Tx+)
8 (Tx-)	8 (Rx-)

Switcher Setup

To Set Up Communications

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **Com Setup** ⇨ **Type**.
   - Use the **Com Port** knob to select the **REMOTE X** port that you connected the VIA32 to.
   - Use the **Device** knob to select **Router**.
2. Press **Select Device**.
   - Use the **Device** knob to select **Via32**.
3. Press **Com Type**.
   - Use the **Type** knob to select **RS-422**.
4. Press **Com Settings**.
   - Use the **Baud** knob to select **38400**.
   - Use the **Parity** knob to select **NONE**.
5. Press **Extra Options**.

Option	Value
Xpts	32 (default)

6. Press **HOME** ⇨ **Confirm**.

To Set Up Video Inputs

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **BNC** ⇨ **BNC Type**.
   - Use the **BNC** knob to select the input BNC that the Video output of the VIA32 is connected to.
   - Use the **Type** knob to select **Router**.
   - Use the **Video Format** knob to select the video format of the video output of the VIA32.
2. Press **More** ⇨ **Router Setup**.
   - Use the **Router** knob to select the port that the VIA32 is connected to.
   - Use the **BNC Dest** knob to select the output BNC on the VIA32 that is fed into the switcher.
3. Press **Router Options**.
   - Use the **Level** knob to select the level, or breakaway, that is switched on the VIA32 when a new input is selected.
   - Use the **Show Mnemonic** knob to either show (**Yes**), or hide (**No**) the mnemonic names from the router source. When set to No, the switcher uses the default mnemonic name assigned to the video source from the switcher.
4. Press **HOME** ⇨ **Confirm**.

Device Setup

- On the VIA32, you must set DIP switch SW2 on the front of the device to allow it to properly connect to the switcher using RS-232 or RS-422.
- The VIA32 must be equipped with the optional internal serial transmit/receive hardware to allow RS-422 communication.

Compatibility

Router	Version
Leitch VIA32	--
Switchers	
Synergy 1 SD	16.0 or higher
Synergy Series SD	18.0 or higher
Synergy MD/X	8.2 or higher
Vision MD/X	12.9
Vision QMD/X	12.9
Vision MultiPanel Support	--
Automation	
OverDrive	10.0
Port Expanders	
BSS4	✓
Comtrol DeviceMaster	✓

Router Mnemonic Names Setup

To set up the source and destination names, you must create an input and output coma-separated values file (.CSV). In each file you list the destinations, sources, and levels that you want to assign a name to, as well as the name you want to use.

Requirements

To complete this procedure and properly set up communications between the Vision switcher and the router, you must have the following software, options and components:

- Vision QMD/X Multi-Definition Digital Production Switcher, version 12.1a, or higher.
- Computer with a text editor or spreadsheet application that can export to a CSV file format.

Creating the Router Names Files

If your router supports exporting of input and output names in a coma-separated values file (.CSV) format, you must rename the files before they can be used by the switcher. The format for the name for the input and output names files is listed below:

- **Input** — Via32_Input.csv
- **Output** — Via32_Output.csv

To create your own input and output names files, you will need to create a new document. This can either be done manually in a text editor, or using a spreadsheet program that can export to a CSV file format. In the file, you must provide a heading for each column, list the source or destination number, and the name you want to apply to that source or destination. When entering the name, remember that the mnemonics on the switcher only display up to 8 characters. The following is an example of a csv formatted file content.

Important: *You must list all source, or destination, numbers, in order, without skipping any entries. If you do not want to assign a name to a source or destination leave the second column blank.*

```
Device_ID,Device_Mnemonics
1,CG1-Vide
2,CG1-Alph
3,SMS1-Vid
4,SMS1-Alp
```

Transferring the Router Names Files to the Switcher

The WebDAV protocol is used to transfer files to the switcher from a computer. This section provides information on establishing a WebDAV connection to the switcher from a computer running Windows XP®, Windows 7®, Mac OS® X 10.5, or Linux Fedora 8® operating systems. For information on establishing a connection from a computer running a different operating system, refer to the documentation that came with your computer, or contact Ross Video Technical Support.

Important: *The input and output router names csv files must be put into the base stills directory.*

WebDAV for Microsoft Windows XP Operating System

1. Click **My Network Places** on the Start Menu to display the **My Network Places** window.
2. Click **Add** a network place under **Network Tasks**.
3. Select **Choose another network location** in the **Add Network Place Wizard** and click **Next**.
4. Enter *http://switcher_ip/stills/#* in the Internet or network address field, and click **Next**. The default IP address of the frame is 192.168.1.1.
5. Enter the user name and password and click **OK** to connect to the frame. The default User name is user and Password is password.
6. Enter a new name for the stills directory on the frame is required, and click **Next**.
7. Click **Finish**. The stills folder opens in a new window.

WebDAV for Microsoft Windows 7 Operating System

1. Click **Computer** on the Start Menu.
2. Right-click on the open area on the right side of the window.
3. Click **Add a network location**.
4. Select **Choose a custom network location** in the **Add Network Location Wizard** and click **Next**.
5. Enter *http://switcher_ip/stills/* in the Internet or network address field, and click **Next**. The default IP address of the frame is 192.168.1.1.
6. Enter the user name and password and click **OK** to connect to the frame. The default User name is user and Password is password.
7. Enter a new name for the stills directory on the frame is required, and click **Next**.
8. Click **Finish**. The stills folder opens in a new window.

WebDAV for Apple Mac OS X

1. Click **Go** > **Connect to Server...** on the **Finder Menu** to display the **Connect to Server** window.
2. Enter *http://switcher_ip/stills/* in the Server Address field, and click **Connect**. The default IP address of the frame is 192.168.1.1.
3. Enter the name and password and click **OK** to connect to the frame. The default Name is user and Password is password. The stills folder appears under SHARED in the Finder.

WebDAV for Linux Fedora 8

1. Click **Places** > **Connect to Server** on the Menu Bar Panel to display **Connect to Server** window.
2. On the Connect to Server window, select the following:
   - **Service Type**: WebDAV (HTTP)
   - **Server**: (The default IP address of the frame is 192.168.1.1)
   - **Port**: leave blank
   - **Folder**: */stills*
   - **Username**: (the default user name for the frame is user)
   - **Name to use for connection**: (a descriptive name for the connection, for example Switcher Stills)
3. Click **Connect**.
4. Enter the password and click **OK** to connect to the frame. The default password is password. The stills folder appears under the Places menu.

To Apply Router Names Files to a Router

1. Press **HOME** ⇨ **Setup** ⇨ **Installation** ⇨ **Com Setup** ⇨ **Type**.
2. Use the **Com Port** knob to select the router that you want to apply a names file to.
3. Press **More** ⇨ **Read in Router Data**. The input and output names files are installed.
4. Press **HOME** ⇨ **Confirm**.

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