Ross Routing Systems Kondor (EOS-2000 protocol)

Requirements

- Router Control software option
- The switcher can connect to the Ross Kondor through the **PC Port** on the Kondor, or through the **Device Port** on the CPU Port Expander.
- Serial Interface Cable (DB9 to DB25)
  - › The Ross Kondor 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)	⇨	PC Port (female)
Video	Input BNC	⇨	Output BNC

Cable Connectors

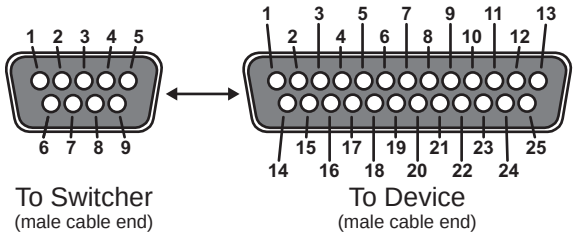

***Figure 1** DB9 to DB25 Cable*

Pinouts

Switcher	Kondor
2 (Rx-)	2 (Tx-)
3 (Tx+)	3 (Rx+)
7 (Rx+)	7 (Tx+)
8 (Tx-)	7 (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 Kondor to.
   - Use the **Device** knob to select **Router**.
2. Press **Select Device**.
   - Use the **Device** knob to select **RossEOS**.
3. Press **Com Type**.
   - Use the **Type** knob to select **RS-422**.
4. Press **Com Settings**.
   - Use the **Baud** knob to select **57600**.
   - Use the **Parity** knob to select **NONE**.
5. 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 Kondor 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 Kondor.
2. Press **More** ⇨ **Router Setup**.
   - Use the **Router** knob to select the port that the Kondor is connected to.
   - Use the **BNC Dest** knob to select the output BNC on the Kondor 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 Kondor 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

- The switcher can connect to the Ross Kondor directly, or through a CPU Port Expander.

- The Ross Kondor does not output source or destination names to the switcher. Instead, virtual input, or source, numbers (**0** through **2047**) and virtual output numbers (**1** through **2048**) are provided.

***Note**: Ross Video recommends that you keep the virtual input and output number selections consistent with the physical input and output number selections on the Physical Map of the Ross Kondor.*

- The switcher controls the virtual inputs and outputs of the Ross Kondor using breakaways on the router.
- If the Ross Kondor does not have a port expander and a computer is required to be connected to the router at all times, the Ross ASCII protocol must be used to allow the switcher to control the router.

Compatibility

Router	Version
Ross Kondor	--
Switchers	
Synergy 1 SD	16.0
Synergy Series SD	16.0
Synergy MD/X	3.1
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** — RossEOS_Input.csv
- **Output** — RossEOS_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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