Extron Electronics

INTERFACING, SWITCHING AND DISTRIBUTION

ISS 506 – Setup Guide

NOTE For full installation, configuration, and operation details, refer to the ISS 506 User's Manual, available at www.extron.com.

This guide provides quick start instructions for an experienced installer to set up and operate the Extron ISS 506 Integration Seamless Switchers.

The Extron ISS 506 is a family of scaling, video and stereo audio seamless switchers.

Installation and cabling features

RGBcvS Video RGsB or

Component

Video



Composite

IMPORTANT: Refer to www.extron.com for the complete user manual and installation instructions before connecting the instructions before source. product to the power source.

> 68-1077-50 **Rev. A** 06 09

ISS 506 — Setup Guide (cont'd)

- b. Input 5 Connect NTSC or PAL component video, S-video, or composite video to these female BNC connectors as shown below.
- Input 6 Connect S-video or composite video to this female 4-pin mini-DIN or BNC connector as shown below. C.

NOTE *SDI* or HD-SDI video is available only if the optional SDI input board is installed.



Step 3 — Video outputs

- a. Program outputs Connect video devices to this 15-pin HD output female connector and to the BNC connectors. Program Output Configurations
- DVI Video b. If an optional program output board is installed 22222223 22222223 22222223 (refer to the ISS 506 User's Manual, available at www.extron.com), connect a DVI-D, HD-SDI, or scan converted (low resolution) device to the board. HD-SDI Video \bigcirc RGBHV Scan Converted Output Configurations Video RGsB and **NOTE** The ISS outputs S-video and composite video simultaneously.
- **Preview output** Connect a video device to the 15-pin HD connector. C.

Step 4 — Audio

- Connect up to six stereo or mono audio inputs to the 5-pole captive screw input connectors. a.
- Connect balanced or unbalanced stereo audio or mono audio devices to one or both program and the preview 5-pole b. captive screw output connectors.



NOTE The Variable Program audio output is adjustable using the front panel Volume control. The other audio outputs are not adjustable.

CAUTION For unbalanced audio output, connect *the sleeve(s) to the ground contact.* **DO NOT** connect the sleeve(s) to the negative (-) contacts).

Step 5 — Serial ports

- If desired, connect a control system or computer to the rear panel RS-232/RS-422 port. a.
- b. If desired, connect a control system or computer to the front panel Configuration (RS-232) port. The optional 9-pin D to 2.5 mm mini jack TRS RS-232 cable, part #70-335-01, can be used for this connection.





Step 6 — LAN (Ethernet) port

If desired, connect a network WAN or LAN hub, a control system, or computer to the Ethernet RJ-45 port. Refer to the ISS 506 User's Manual, available at www.extron.com.

- Network connection Wire as a patch cable.
- Computer or control system connection Wire the interface cable as a crossover cable.

NOTE *Defaults:* • *RS*-232 • 9600 *baud*

• IP: 192.168.254.254 • Subnet: 255.255.0.0 • Gateway: 0.0.0.0 DHCP off See "Configure Ethernet and RS-232/RS-422 ports" on the next page, to change the settings.

Step 7 — Power

AC power connector — Plug in a standard IEC power cord from a 100 to 240 VAC, 50 - 60 Hz power source into this receptacle.



Powering Up

 $\mathbf{O}(\mathbf{0})$

Power is automatically applied when the power cord is connected to an AC source. When AC power is applied, the switcher performs a self-test that displays the model the third showing the selected output rate.

Front Panel Operations

Select an input

Press and release the desired Program or Preview input selection button. The button lights and the selected input displays on the program or preview monitor.

Switch the preview output to the program output

NOTE *Sub-effect and duration are selected using the Effects Configuration menu.*

If you want an effect to accompany the switch, press one of the 1. Effects buttons.

Wipe — The image in the preview output "unrolls" over the top of the program output using a user-defined duration and sub-effect. Dissolve — The previous program output fades out and the image from the preview output fades into the program output using a user-defined duration.

PIP — The image in the preview output appears in the program output as a picture-in-picture window using a user-defined duration and sub-effect.

Title — The image in the preview output appears on top of the program output as a title.

- Press either the Cut or the Take button. 2.
 - Cut If Wipe or Dissolve is selected, the preview output switches to the program output with no effect. If PIP or Title is selected, the preview output appears on top of the program output as a PIP window or title, with no effect.
 - Take If Wipe or Dissolve is selected, the preview output switches to the program output with the effect, sub-effect, and duration selected in step 1.

If PIP is selected, the preview output appears on top of the program output as a PIP window, with a user-selected sub-effect and duration.

If Title is selected, the preview output appears on top of the program output as a title, with no effect.

Program Bus (Freeze/Input Selection/Logo)

Wipe and PIP sub-effects

Effects (Wipe/PIP/Dissolve/Title)

Menu Control



ISS 506 • Setup Guide

Recall and key a saved bitmapped image

- **NOTE** Bitmapped images must first be captured using the Logo Capture submenu or uploaded via the the LAN port.
- 1. Press and **hold** the Next button. Press and release the desired logo button. Release the Next button.
- 2. Rotate either Adjust knob to select black screen or a saved logo. Press the Next button.
- 3. Rotate the two Adjust knobs to position the logo as desired on the screen. Press the Next button.
- 4. Rotate either Adjust knob to select (< >) the desired method (RGB or level) for keying out (removing) the unwanted logo material.
- If you selected RGB as the keying method, rotate the Adjust → knob to select the color plane to key.
- 6. Rotate the Adjust ♦ knob to key out the unwanted material.

Adjust the Variable Audio output

Rotate the Volume knob to increase or decrease the loudness or the Variable Audio output.

Recall user presets

NOTE You must have saved user presets using the menu system (refer to the ISS 506 User's Manual, available at www.extron.com) before you can recall them.

Repeatedly press and release the input button to cycle through the saved user presets (up to three) for that input.

Configure Ethernet and RS-232/RS-422 ports

1. Press and hold Next while you simultaneously press Color/Tint, and Detail to access the Edit Comm Settings submenu.

ADJUSTMENTS					
SIZE	BRIGHT/ CONT	DETAIL	MENU	NEXT	
POSITION	COLOR/ TINT	ZOOM			
		_			

2. Press Next to page through the submenu.

Serial Port Mode: Rotate the Adjust ◆ knob to select the baud rate and the Adjust ♦ knob to select the protocol.

DHCP: Rotate either knob to select (< >) On or Off.

IP Address, Subnet Mask, and Gateway Address: Rotate the Adjust ◆ knob to select (blinking) an octet and the Adjust ♦ knob to change the selected octet.

Windows®-based ISS 506 Control Program

The control program is on the Extron Software Products CD-ROM. Run the program on a PC connected to either of the switcher's serial ports or the LAN port (2, 3, or 3, on page 1). The program must be installed and cannot be run from the CD.

NOT	

TE For details on installing and operating the program, refer to the ISS 506 User's Manual, available at *www.extron.com*.



HTML Pages

The HTML pages are built into the switcher and can be accessed using a Web browser such as Microsoft[®] Internet Explorer. Enter the unit's IP address in the browser's Address field (192.168.254.254 is the default value).



Extron **USA - West** Headquarters

+800.633.9876 Inside USA / Canada Only

+1.919.863.1794 +1.714.491.1500 +1.714.491.1517 FAX

Extron USA - East +800.633.9876 Inside USA / Canada Only Extron Europe Extron A: +800.3987.6673 +800.7339. Inside Europe Only +31.33.453.4040 +65.6383.4

+31.33.453.4050 FAX

Extron Asia Extron Japan +800.7339.8766 +81.3.3511.7655 +sia Only +65.6383.4400 +65.6383.4664 FAX

FAX +400.883.1568 Inside China Only +86.21.3760.1568 +86.21.3760.1566 FAX

Extron China

Extron Middle East +971.4.2991800 +971.4.2991880 FAX

© 2009 Extron Electronics. All rights reserved.