

SYSTEM 4_{xi} PROJECTOR COMMUNICATIONS KIT

ATTENTION!

PLEASE READ THIS DOCUMENT FOR IMPORTANT INSTALLATION INSTRUCTIONS

THIS KIT HAS BEEN SHIPPED WITH THE FOLLOWING COMPONENTS:

Kit Type: SONY

Included Communications Adapter(s):

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	26-312-01	ADP, SONY CCQ ADAPTER

THE TABLE BELOW LISTS THE POSSIBLE CONFIGURATION(S) AND CORRESPONDING COMMUNICATIONS ADAPTER(S) FOR YOUR PROJECTOR MANUFACTURER'S VARIOUS MODELS. **PLEASE NOTE THAT YOUR SWITCHER HAS BEEN CONFIGURED AS INDICATED BY THE "✓" IN THE "CONFIG AS" COLUMN.** IF YOUR PROJECTOR MODEL **DIFFERS** FROM THIS CONFIGURATION, YOU **MUST** RECONFIGURE YOUR SWITCHER WITH THE CORRECT SETTINGS.

PLEASE REFER TO THE FOLLOWING PAGES FOR COMPLETE CONFIGURATION AND SIGNAL CONNECTION INSTRUCTIONS.

THIS SWITCHER HAS BEEN CONFIGURED FOR: SONY

CONFIG AS	MODEL	SW1				SW2	SW3	SW4	SW5	SW6	PROJ CABLE	COMM ADAPTER
		1	2	3	4							
✓	Sony	off	on	off	on	0	0	3	5	0	J15	26-312-01

Connecting System 4*xi* to Sony

If the System 4*xi* is already configured for a Sony projector, **go to step 4**. If it is not set up correctly, it will be necessary to change switch settings on the System 4*xi*'s Main Controller Board. Begin at Step 1 to verify the correct configuration.

1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Sony projector. Apply power to the System 4*xi* and do the following:

MENU SELECT

8. INFORMATION

ENTER

INFORMATION

[System 4 model and software version displayed here]

1

>PRJ= (See note.)

>PRJ BAUD= (See note.)

>UNIT No.= (See note.)

>HST BAUD= (See note.)

(Note: Information depends on System 4 setup.)

a. Press **MENU** to display the MENU SELECT on the LCD screen.

b. Press **↓** or **↑** to step to Menu 8.

c. Press **ENTER** to select this menu.

d. Press **↓** or **↑** to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
PRJ = SONY
PRJ BAUD = 9600
UNIT No. = 000
HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the *System 4*xi* User's Manual* to remove the System 4*xi* cover. Then go to page 2-4 and refer to the configuration below to set up the Main Controller board. Continue with Step 3 (below) when the configuration is correct.
- | Config as | Projector | SW1: 1-2-3-4 | SW2 | SW3 | SW4 | SW5 | SW6 | Prj Cable | Comm Adapter |
|-----------|-----------|---------------|-----|-----|-----|-----|-----|-----------|--------------|
| ✓ | Sony | off-on-off-on | 0 | 0 | 3 | 5 | 0 | J15 | 26-312-01 |
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3. Double-check your work and be sure the System 4*xi* cover is on securely.

4. Install the System 4*xi* in its place of operation (i.e. rack), but **not** powered on.
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- Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.
- Refer to the following connection diagram and continue.
- Extron • System 4*xi* Switcher Series • User's Manual • P/N 68-408-02 Rev. A
- Page 1

5. The Sony Comm Adapter (SY COM) has a 9-pin male connector that accommodates the Comm Extension cable. It also has eight BNC connectors for all video signals. Both control and video signals are combined in a cable with a single, 14-pin connector. This plugs into the projector's "Remote 1" connector.
6. Plug the 15-pin HD connector of the Projector Communications Extension cable into the PJ Comm port on the System 4*xi*.

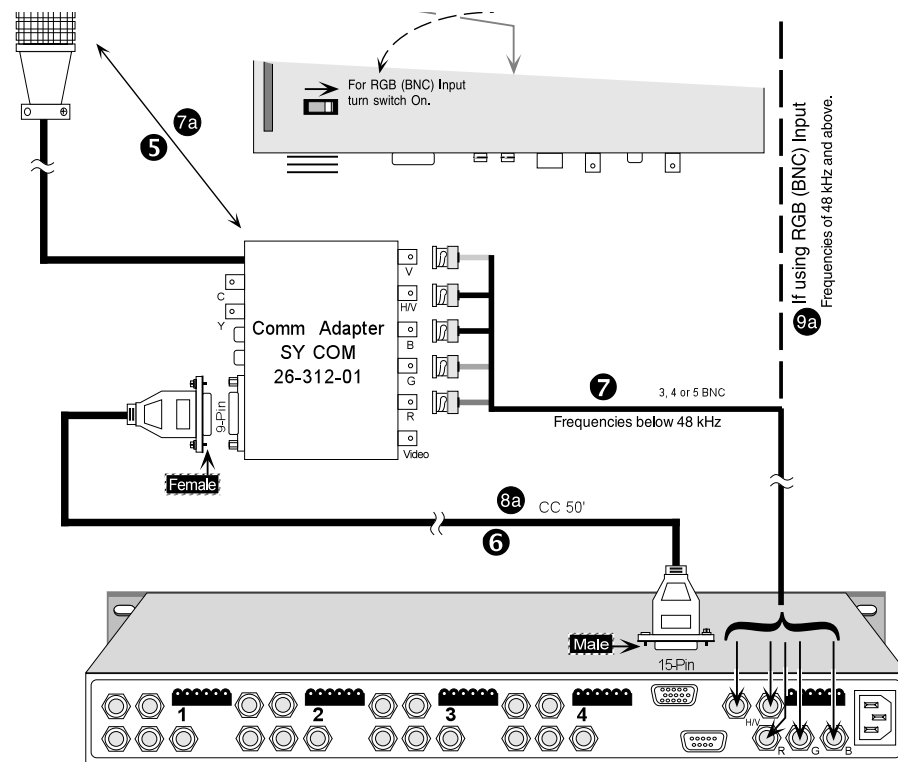


Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) RGBS/HV cable onto the System 4*xi* output and those on the other end onto the matching BNCs on the Sony connector panel.

System 4xi Series – Sony Projector Connections

Use the illustration below as a guide when connecting the System 4*xi* to a Sony projector. Refer to Sony documentation to continue the installation.



△ In a rack mount, do NOT allow the weight of the cables to be supported by the System 4*xi*. See page 2-5 for cabling guidelines.

△ See the following pages for stacking Sony projectors.



For either of the following procedures, the projector(s) must be set up to use the BNC input. This means the video signals will **not** go through the Comm Adapter. Use the Sony Manual that came with the projector for the procedure for removing the circuit board and resetting the switch. A simple illustration is also included in the figure on the previous page.

Frequencies above 48 kHz (see previous illustration)

For a better quality picture at higher frequencies, don't use the 14-pin cable for the RGB signals; use the BNC connectors on the projector instead.

See note at the top of this page and use the diagram on the previous page for the following steps.

- 7a. The Sony Adapter (SY COM) has one 9-pin male connector that accommodates the Comm Extension cable. Do **not** use the eight BNC connectors on the adapter. Only the control signals will go through the Comm Adapter. Plug the single 14-pin connector from the adapter into the connector marked "Remote 1" on the Sony connector panel.
- 8a. Plug the 15-pin HD connector of the Projector Communications Extension cable (shown as CC 50') into the PJ Comm port on the System 4*xi*. The other end has a 9-pin female connector. Plug this end into the 9-pin male D connector on the SY COM adapter and secure the screws.
- 9a. Plug the BNC connectors on one end of the RGBS cable onto the System 4*xi* output and those on the other end onto the matching BNCs on the Sony projector.

Stacking Sony Projectors (see following illustration)

Sony projectors are sometimes "stacked" to provide increased brightness. This technique uses two projectors which display the same image at the same time on the same screen. To supply RGBS signals to two projectors, an Analog Distribution Amplifier is required, as well as three, Hi-Res 5-BNC cables.

If the System 4*xi* is not already setup for Sony, follow steps 1 through 6 on the previous pages. To parallel-connect the projectors, choose which projector will be #1 and which will be #2, and continue.

See note at the top of this page and use the following illustration for the following steps.

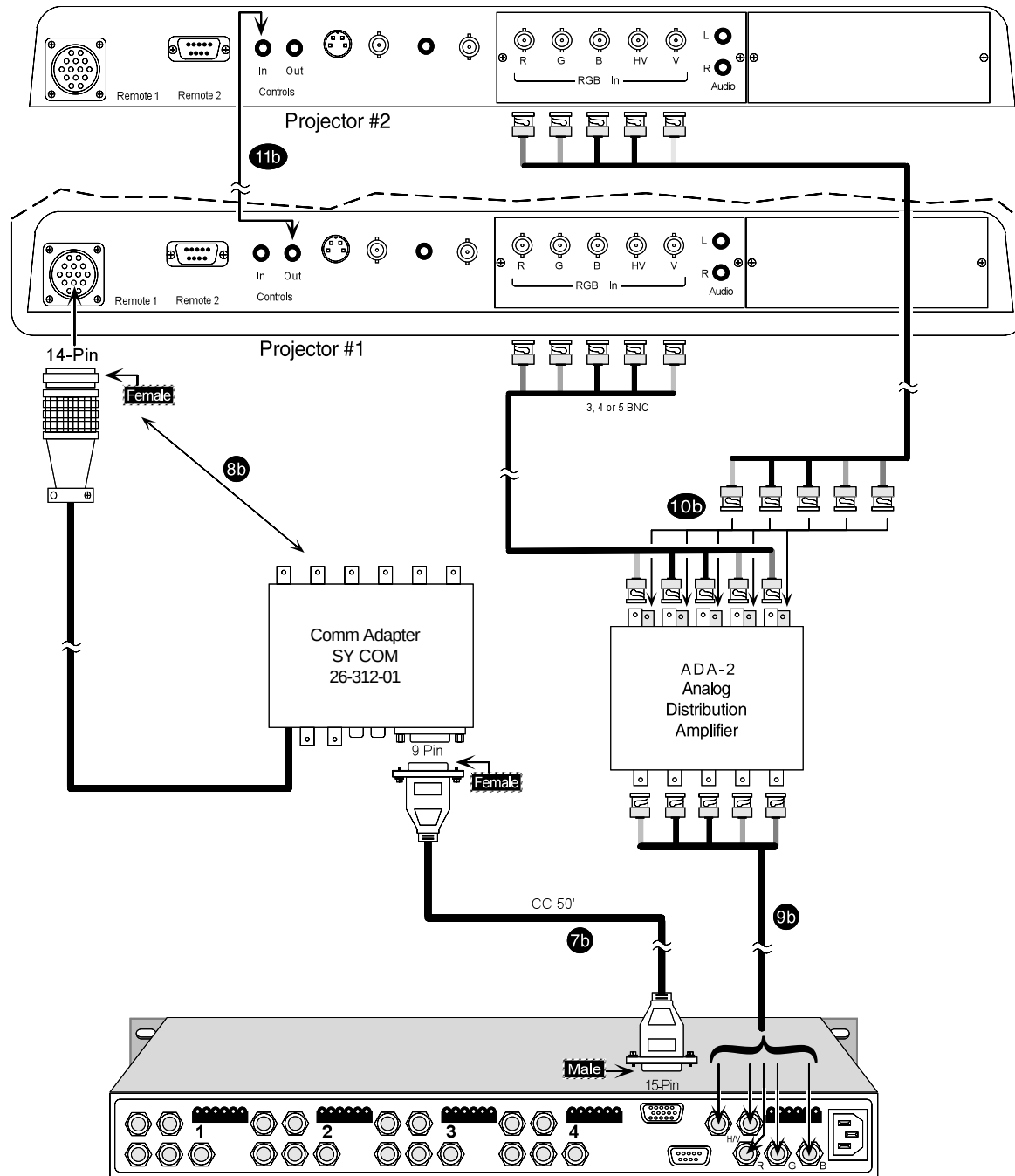
- 7b. Connect the Communications Extension cable from the System 4*xi* to the adapter.
- 8b. Connect the SY COM adapter as shown on the following page. Do **not** use the eight BNC connectors for the video signals; only the control signals will go through the adapter. Plug the round, 14-pin connector into the projector designated as "Projector #1" and turn the collar to secure it in place.
- 9b. Connect the color-coded, Hi-Res RGBS cable from the BNC outputs of the System 4 to the input of the ADA.
- 10b. Connect the first output of the ADA to the BNC input of Projector #1.
Connect the second output of the ADA to the BNC input of Projector #2.
- 11b. Connect a "mini-phone" control cable from the "Controls Out" jack on Projector #1 to the "Controls In" jack on Projector #2.



This setup allows any commands, such as remote control, etc., received by Projector #1 to be passed to Projector #2.

System 4*xi* - Cable Diagram for Stacking Sony Projectors

Use the following diagram as a guide when connecting the System 4*xi* to two Sony projectors. Refer to Sony documentation for further information.



Connecting the System 4*xi* to Two Stacked Sony Projectors