ATTENTION!

PLEASE READ THIS DOCUMENT FOR IMPORTANT INSTALLATION INSTRUCTIONS

THIS KIT HAS BEEN SHIPPED WITH THE FOLLOWING COMPONENTS:

**Kit Type: AMPRO**

**Included Communications Adapter(s):**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26-477-01</td>
<td>ADP, UNV, “H”</td>
</tr>
<tr>
<td>1</td>
<td>26-304-01</td>
<td>ADP, AMPRO CRT</td>
</tr>
<tr>
<td>1</td>
<td>26-468-01</td>
<td>ADP, UNV, “B”</td>
</tr>
<tr>
<td>1</td>
<td>26-467-01</td>
<td>ADP, UNV, “A”</td>
</tr>
</tbody>
</table>

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: AMPRO CRT**

<table>
<thead>
<tr>
<th>CONFIG AS</th>
<th>MODEL</th>
<th>SW1</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
<th>SW5</th>
<th>SW6</th>
<th>PROJ CABLE</th>
<th>COMM ADAPTER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ampro LCD-150</td>
<td>off</td>
<td>on</td>
<td>off</td>
<td>on</td>
<td>0</td>
<td>0</td>
<td>B 2 0 J15</td>
<td>&lt;none&gt;</td>
</tr>
<tr>
<td></td>
<td>Ampro 160</td>
<td>off</td>
<td>on</td>
<td>off</td>
<td>on</td>
<td>0</td>
<td>0</td>
<td>F F 0 J15</td>
<td>26-477-01</td>
</tr>
<tr>
<td>✔️</td>
<td>Ampro CRT</td>
<td>on</td>
<td>off</td>
<td>off</td>
<td>on</td>
<td>1</td>
<td>0</td>
<td>0 5 0 J15</td>
<td>26-304-01</td>
</tr>
<tr>
<td></td>
<td>Amp Light Valve</td>
<td>on</td>
<td>off</td>
<td>off</td>
<td>on</td>
<td>1</td>
<td>0</td>
<td>0 5 0 J15</td>
<td>26-468-01</td>
</tr>
<tr>
<td></td>
<td>Ampro Alice</td>
<td>off</td>
<td>on</td>
<td>off</td>
<td>on</td>
<td>1</td>
<td>0</td>
<td>0 5 0 J15</td>
<td>26-467-01</td>
</tr>
</tbody>
</table>
Connecting System 4xi to Ampro LCD-150

If the System 4xi is already configured for a Ampro LCD-150 projector, go to step 4. If it is not set up correctly, it will be necessary to change switch settings on the System 4xi’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 4xi is already set up for the Ampro LCD-150. Apply power to the System 4xi and do the following:
   a. Press \( \text{MENU} \) to display the \text{MENU SELECT} on the LCD screen.
   b. Press \( \downarrow \) or \( \uparrow \) to step to Menu 8.
   c. Press \( \text{ENTER} \) to select this menu.
   d. Press \( \downarrow \) or \( \uparrow \) to display the configuration. The example to the left is general, yours will show the System 4xi model name, the software version and the following information:
      - \( \text{PRJ} = \text{AMPRO} \)
      - \( \text{PRJ BAUD} = 9600 \)
      - \( \text{UNIT No.} = 000 \)
      - \( \text{HST BAUD} = 9600 \) (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the System 4xi User’s Manual to remove the System 4xi 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.

<table>
<thead>
<tr>
<th>Config</th>
<th>Projector</th>
<th>SW1: 1-2-3-4</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
<th>SW5</th>
<th>SW6</th>
<th>Prj Cable</th>
<th>Comm Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ampro LCD-150</td>
<td>off-on-off-on</td>
<td>0</td>
<td>0</td>
<td>B</td>
<td>2</td>
<td>0</td>
<td>J15</td>
<td>26-475-01</td>
<td></td>
</tr>
</tbody>
</table>

3. Double-check your work and be sure the System 4xi cover is on securely.

4. Install the System 4xi in its place of operation (i.e. rack), but not powered on.

   *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.

5. The Ampro LCD-150 Comm Adapter (26-475-01) has a 9-pin male connector that accommodates the Comm Extension cable. The other end of the Comm Adapter plugs into the projector’s RS-232C port.
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 Ampro LCD-150 connector panel.

**System 4 xi Series – Ampro LCD-150 Projector Connections**

Use the illustration below as a guide when connecting the System 4 xi to an Ampro LCD-150 projector. Refer to Ampro documentation to continue the installation.

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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.
Connecting System 4xi to Ampro 160

If the System 4xi is already configured for a Ampro 160 projector, go to step 4. If it is not set up correctly, it will be necessary to change switch settings on the System 4xi’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 4xi is already set up for the Ampro 160. Apply power to the System 4xi and do the following:
   a. Press \( \text{Menu} \) to display the \text{Menu Select} on the LCD screen.
   b. Press \( \text{ or } \) to step to Menu 8.
   c. Press \( \text{ Enter} \) to select this menu.
   d. Press \( \text{ or } \) to display the configuration. The example to the left is general, yours will show the System 4xi model name, the software version and the following information:
      - \( \text{PRJ} = \text{AMPRO} \)
      - \( \text{HST BAUD} = 9600 \) (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the System 4xi User’s Manual to remove the System 4xi 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.

<table>
<thead>
<tr>
<th>Configs</th>
<th>Projector</th>
<th>SW1: 1-2-3-4</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
<th>SW5</th>
<th>SW6</th>
<th>Prj Cable</th>
<th>Comm Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ampro 160</td>
<td>off-on-off-on</td>
<td>0</td>
<td>0</td>
<td>F</td>
<td>F</td>
<td>0</td>
<td>J15</td>
<td>26-477-01</td>
</tr>
</tbody>
</table>

3. Double-check your work and be sure the System 4xi cover is on securely.
4. Install the System 4xi in its place of operation (i.e. rack), but not powered on.

   \textit{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.

5. The Ampro 160 Comm Adapter (26-477-01) has a 9-pin male connector that accommodates the Comm Extension cable. The other end of the Comm Adapter plugs into the projector’s RS-232C port.
6. Plug the 15-pin HD connector of the Projector Communications Extension cable into the PJ Comm port on the System 4xi.  

   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 4xi output and those on the other end onto the matching BNCs on the Ampro 160 connector panel.

System 4xi Series – Ampro 160 Projector Connections

Use the illustration below as a guide when connecting the System 4xi to an Ampro 160 projector. Refer to Ampro documentation to continue the installation.

In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.
Connecting System 4<sub>x</sub> to Ampro Light Valve Projector

If the System 4<sub>x</sub> is already configured for an Ampro projector, go to step 4. If it is not set up correctly, it will be necessary to change switch settings on the System 4<sub>x</sub>’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<sub>x</sub> is already set up for the Ampro projector. Apply power to the System 4<sub>x</sub> and do the following:
   a. Press <menu select> to display the Menu Select on the LCD screen.
   b. Press <or> or <to step to Menu 8.
   c. Press <to select this menu.
   d. Press <or> to display the configuration. The example to the left is general, yours will show the System 4<sub>x</sub> model name, the software version and the following information:

   - PRJ = AMPRO
   - PRJ BAUD = 9600
   - UNIT No. = 001
   - HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 to remove the System 4<sub>x</sub> cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

<table>
<thead>
<tr>
<th>Config as</th>
<th>Projector</th>
<th>SW1: 1-2-3-4</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
<th>SW5</th>
<th>SW6</th>
<th>Prj Cable</th>
<th>Comm Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ampro Light Valve</td>
<td>on-off-off-on</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>J15</td>
<td>26-468-01</td>
<td></td>
</tr>
</tbody>
</table>

3. Double-check your work and be sure the System 4<sub>x</sub> cover is on securely.

4. Install the System 4<sub>x</sub> in its place of operation (i.e. rack), but not powered on. 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.

5. Plug the Comm Adapter’s 9-pin female connector onto the male connector on the rear panel of the Ampro Light Valve projector. Connect one end of the CC 50’ cable into the Comm Adapter.
6. Plug the 9-pin male connector of the CC 50’ cable into the PJ Comm port of System 4xi. **Secure all of the connector screws.**

7. Connect the BNC connectors from one end of the (user-supplied) RGBS/HV cable onto the System 4xi output and those on the other end onto the BNC connectors on the rear of the projector according to the application requirements. (RGsB, S-Video and/or Composite Video).

System 4xi - Ampro Light Valve Projector Connections

Use the illustration below as a guide when connecting the System 4xi to an Ampro Light Valve projector. Refer to Ampro documentation to continue the installation.

*In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.*
Connecting System 4\(x_i\) to Ampro CRT Projector

If the System 4\(x_i\) is already configured for an Ampro CRT projector, go to step 4. If it is not set up correctly, it will be necessary to change switch settings on the System 4\(x_i\)’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\(x_i\) is already set up for the Ampro projector. Apply power to the System 4\(x_i\) and do the following:
   a. Press \(\text{MENU SELECT}\) to display the Menu Select on the LCD screen.
   b. Press or \(\text{ or } \) to step to Menu 8.
   c. Press \(\text{ENTER}\) to select this menu.
   d. Press or \(\text{ or } \) to display the configuration. The example to the left is general, yours will show the System 4\(x_i\) model name, the software version and the following information:
      - PRJ = AMPRO
      - PRJ BAUD = 9600
      - UNIT No. = 001
      - HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 to remove the System 4\(x_i\) cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

<table>
<thead>
<tr>
<th>Config as</th>
<th>Projector</th>
<th>SW1: 1-2-3-4</th>
<th>SW2</th>
<th>SW3</th>
<th>SW4</th>
<th>SW5</th>
<th>SW6</th>
<th>Prj Cable</th>
<th>Comm Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Ampro CRT</td>
<td>on-off-off-on</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>J15</td>
<td>26-304-01</td>
</tr>
</tbody>
</table>

3. Double-check your work and be sure the System 4\(x_i\) cover is on securely.

4. Install the System 4\(x_i\) in its place of operation (i.e. rack), but not powered on. Changes in some switch configurations are not detected until the power is removed at the AC cord, and then restored.

5. Plug the 9-pin female connector end of the cable shown as “CC 50’” into the Ampro Comm adapter. Connect the other end of the Comm adapter into the “Host” connector of the projector. (The name on the connectors may be different from one projector to another.)
6. Plug the 9-pin male connector of the CC 50’ cable into the PJ Comm port of System 4xi.

   Secure all of the connector screws.

7. Connect the BNC connectors from one end of the (user-supplied) RGBS/HV cable onto the System 4xi output and those on the other end onto the BNC connectors on the rear of the projector according to the application requirements. (RGsB, S-Video and/or Composite Video).

System 4xi - Ampro CRT Projector Connections

Use the illustration below as a guide when connecting the System 4xi to an Ampro CRT projector. Refer to Ampro documentation to continue the installation.

In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.
Connecting System 4xi to Ampro Type II (CRT) Projector

This procedure is the same as the previous one, except for the adapter cabling.

If the System 4xi is already configured for an Ampro projector, go to step 4. If it is not set up correctly, it will be necessary to change switch settings on the System 4xi’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 4xi is already set up for the Ampro projector. Apply power to the System 4xi and do the following:

   a. Press **MENU** to display the **MENU SELECT** on the LCD screen.
   b. Press  or  to step to Menu 8.
   c. Press  to select this menu.
   d. Press  or  to display the configuration. The example to the left is general, yours will show the System 4xi model name, the software version and the following information:

   PRJ = AMPRO
   PRJ BAUD = 9600
   UNIT No. = 001
   HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 to remove the System 4xi cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

3. Double-check your work and be sure the System 4xi cover is on securely.

4. Install the System 4xi in its place of operation (i.e. rack), but not powered on.

   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.

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* **Type II Comm Adapter must be ordered separately**

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5. The Type II Ampro Comm Adapter (AM COM Type II) is a "Y" cable that accommodates both wired remote and switcher control. Plug the 15-pin HD male connector of the "Y" cable into the PJ Comm port on the System 4xi. Plug the middle 15-pin connector into the Ampro remote control.

6. Plug the 15-pin male connector of the cable marked “CC 50' Type II” into the projector “Host” connector and the 15-pin female connector to the remaining connector on the Comm Adapter.

Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) RGSB/HV cable onto the System 4xi output and those on the other end onto the BNC connectors on the rear of the projector (marked RGSB/RGSB/RGSB). Use the following connection diagram as a guide when connecting the System 4xi to an Ampro projector, using a Type II adapter. Refer to Ampro documentation to continue the installation.

System 4xi Series – Ampro Type II CRT Projector Connections

Use the illustration below as a guide when connecting the System 4xi to an Ampro Type II projector. Refer to Ampro documentation to continue the installation.

Connecting the System 4xi to an Ampro Type II CRT Projector

In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.
Connecting System 4\textsuperscript{xi} to Ampro Alice Projector

If the System 4\textsuperscript{xi} is already configured for an Ampro Alice projector, go to step 4. If it is not set up correctly, it will be necessary to change switch settings on the System 4\textsuperscript{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\textsuperscript{xi} is already set up for the Ampro projector. Apply power to the System 4\textsuperscript{xi} and do the following:

   a. Press \text{MENU SELECT} to display the \text{MENU SELECT} on the LCD screen.
   b. Press \begin{itemize} \item \text{ or \text{ to step to Menu 8.} \item \text{ or \text{ to select this menu.} \item \text{ or \text{ to display the configuration. The example to the left is general, yours will show the System 4\textsuperscript{xi} model name, the software version and the following information:} \begin{itemize} \item PRJ = AMPRO \item PRJ BAUD = 9600 \item UNIT No. = 001 \item HST BAUD = 9600 (value depends upon setup Menu 3) \end{itemize} \}

2. Go to the procedure on page 2-3 to remove the System 4\textsuperscript{xi} cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

3. Double-check your work and be sure the System 4\textsuperscript{xi} cover is on securely.

4. Install the System 4\textsuperscript{xi} in its place of operation (i.e. rack), but not powered on.

\[ \text{Changes in some switch configurations are not detected until the power is removed at the AC cord, and then restored.} \]

Refer to the following connection diagram and continue.
5. Plug the 9-pin female connector end of the cable shown as “CC 50’” into the Ampro Comm adapter. Connect the other end of the Comm adapter into the “Host” connector of the projector. (The name on the connectors may be different from one projector to another.)

6. Plug the 9-pin male connector of the CC 50’ cable into the PJ Comm port of System 4xi.

Secure all of the connector screws.

7. Connect the BNC connectors from one end of the (user-supplied) RGBS/HV cable onto the System 4xi output and those on the other end onto the BNC connectors on the rear of the projector according to the application requirements. (RGsB, S-Video and/or Composite Video).

System 4xi - Ampro Alice Projector Connections

Use the illustration below as a guide when connecting the System 4xi to an Ampro Alice projector. Refer to Ampro documentation to continue the installation.

Connecting the System 4xi to an Ampro Alice Projector

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