HD-XSP

7.1 High-Definition Professional Surround Sound Processor

1 Introduction

The HD-XSP is a 7.1 surround sound processor featuring multiple inputs and downmixing capabilities.

2 Hardware Hookup

Connect the Device

Make connections to the HD-XSP as shown in the following diagram.

HDMI OUT: To HDMI Device

DIGITAL: From Digital Audio Sources

OUTPUT: To Amplifiers

24V DC, 2.0A: From AC Power Pack

HDMI IN: From HDMI Source

INPUT: From Unbalanced Analog Audio Sources

INPUT: From Balanced or Unbalanced Analog Audio Source

LAN: 10BASE-T/100BASE-TX Ethernet to Lan
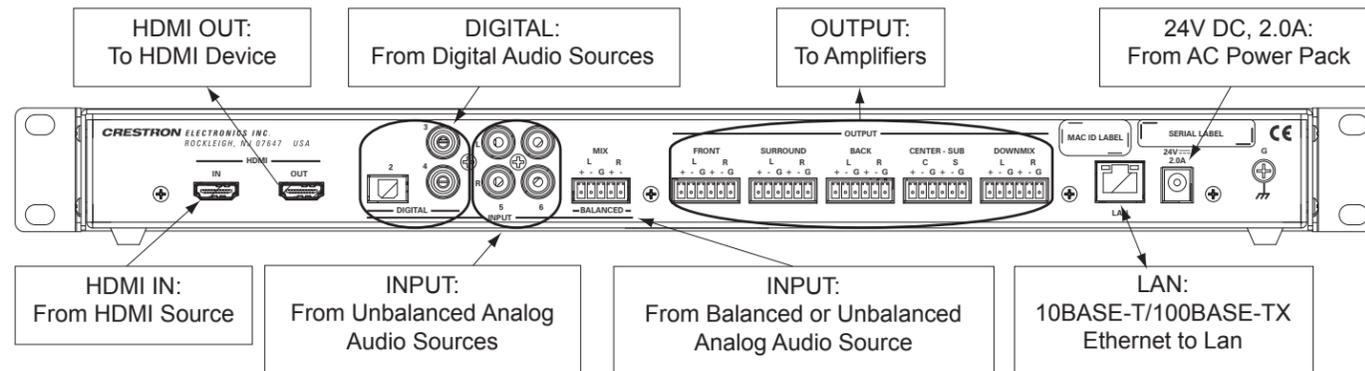
Connect Balanced/Unbalanced Input & Outputs

One balanced/unbalanced audio input and four balanced/unbalanced audio outputs are provided, utilizing 5-pin and 6-pin terminal block connectors respectively. For connection details, refer to the following diagrams.

Balanced Input

Balanced Output

Balanced Output (Center & Sub)

Unbalanced Input

Unbalanced Output

Unbalanced Output (Center & Sub)
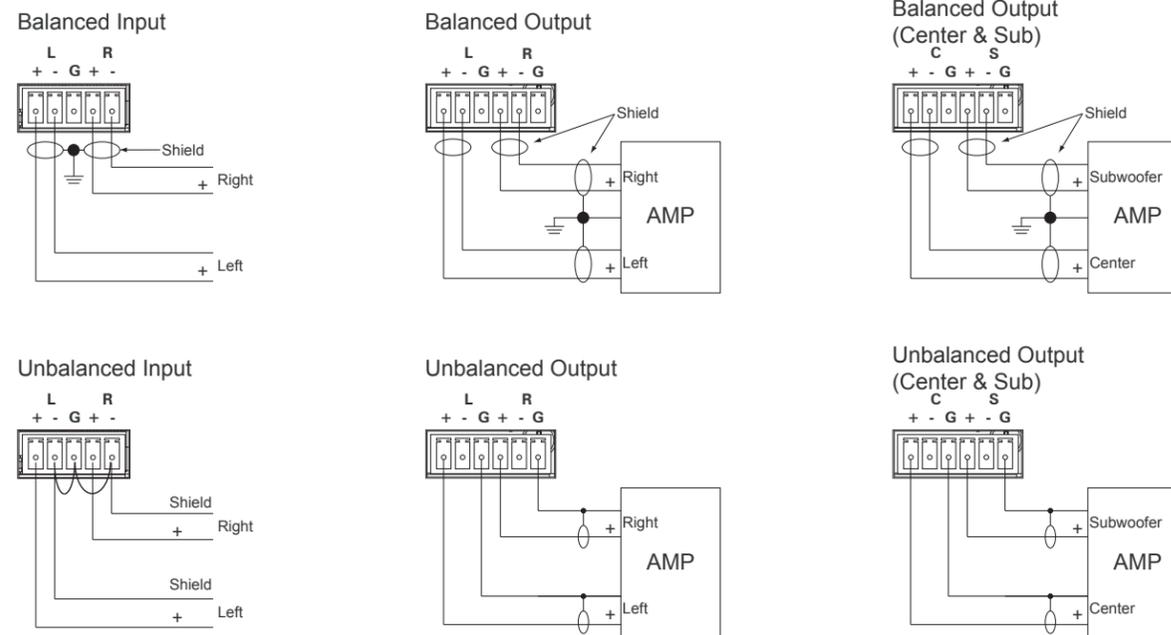
(Continued in following column)

3 Configuration

The HD-XSP can be configured with the front panel controls or with Crestron Toolbox™. For details on using Crestron Toolbox, please refer to the Crestron Toolbox help file. Otherwise, continue reading below.

The "Installer" menu is used to configure the HD-XSP's inputs, outputs, network settings, and front panel controls. To open the "Installer" menu:

1. Press **HOME** to display the "Crestron HD-XSP" screen as shown in the following diagram.

   Crestron

   HD-XSP
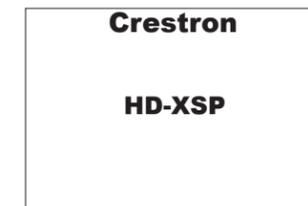
2. Press **BACK** to display the "Password" screen.

   Password

   [0]000
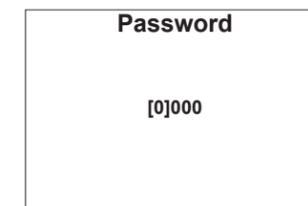
3. Use the **^**, **v**, **<**, **>**, and **SELECT** buttons to enter the password.

   • To select a number, press **^** or **v**.

   • To move the cursor left or right, press **<** or **>**.

   When the password is displayed, move the cursor to the rightmost digit and press **SELECT**. The "Installer" menu is displayed.

   Installer
   - Inputs
   - Outputs
   - Network
   - Control
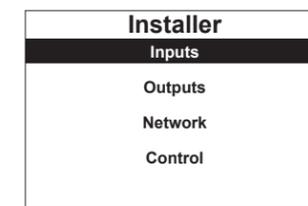
   NOTE: The default password is 0000. For instructions on changing the password, refer to "Password" in the latest version of the HD-XSP Operations & Installation Guide (Doc. 7446), which is available from the Crestron Web site (www.crestron.com/manuals).

The "Installer" menu is divided into four sections.

   • *Inputs*: Set the name and compensation level of each input.

   • *Outputs*: Set the audio parameters for the theater and downmix outputs.

   • *Network*: Configure and view the HD-XSP's Ethernet settings.

   • *Control*: Configure and view the HD-XSP's front panel settings.

For details, refer to the latest version of the HD-XSP Operations & Installation Guide (Doc. 7446).

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For details, refer to the latest revision of the **HD-XSP** Operations & Installation Guide, Doc. 7446.

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quickstart guide

HD-XSP

④ Operation

When power is applied to the HD-XSP, the title screen displays, followed by the "Current Source" menu. The "Current Source" menu is used to select a source and a decoding mode.

Select a Source or Decoding Mode

To select a source or decoding mode:

> **NOTE**: The "Current Source" menu is displayed when power is applied to the HD-XSP.

1. Press **HOME**.
2. Press **SELECT**. The "HD-XSP" menu is displayed.

```
        HD-XSP
      ┌──────────┐
      │ Source   │
      │ Theater  │
      │ Downmix  │
      │Display Off│
      └──────────┘
```
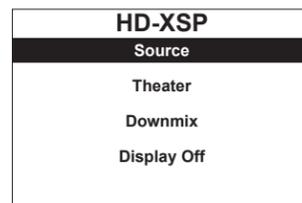
3. Press ∧ or ∨ to highlight *Source* and press **SELECT**. The "Current Source" menu is displayed.

```
    Current Source
   ┌───────────────┐
   │ Source Select │
   │ Decoding Mode │
   │               │
   │     None      │
   └───────────────┘
```
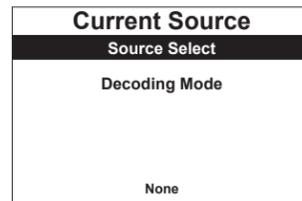
Select a Source:

1. Press ∧ or ∨ to highlight *Source Select* and press **SELECT**. The "Source Select" menu is displayed.

```
    Source Select
   ┌───────────────┐
   │    HDMI       │
   │   Optical     │
   │   Coaxial 1   │
   │   Coaxial 2   │
   └───────────────┘
```
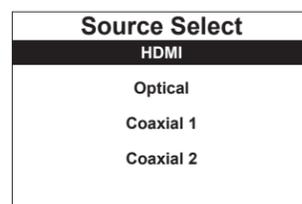
2. Press ∧ or ∨ to highlight the desired source and press **SELECT**. The "Current Source" menu is displayed. If a signal type is detected, the supported signal type is shown on the bottom of the display.

```
    Current Source
   ┌───────────────┐
   │    HDMI       │
   │ Decoding Mode │
   │               │
   │ Dolby Digital │
   └───────────────┘
```
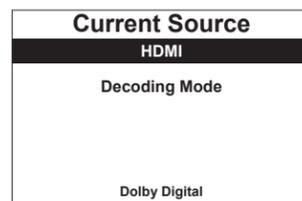
④ Operation (continued)

Select a Decoding Mode:

1. Press ∧ or ∨ to highlight *Decoding Mode* and press **SELECT**. The "Decoding Mode" menu is displayed, showing a list of supported decoding modes for the detected audio signal.

```
    Decoding Mode
   ┌─────────────────┐
   │      None       │
   │      Auto       │
   │ Dolby PLIIx Movie│
   │ Dolby PLIIx Music│
   └─────────────────┘
```
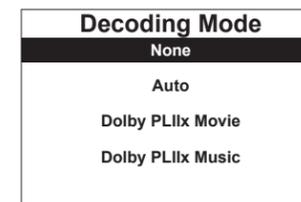
2. Press ∧ or ∨ to highlight the desired mode and press **SELECT**. The display returns to the "Current Source" menu showing the selected source and the selected decoding mode.

```
    Current Source
   ┌───────────────┐
   │    HDMI       │
   │ Decoding Mode │
   │               │
   │ Dolby Digital │
   └───────────────┘
```
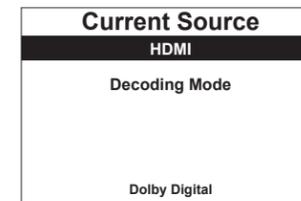
Volume Control & Mute (Theater Output Only)

During operation, the theater output's volume level can be adjusted or muted.

- To adjust the theater output's volume level, Press **VOL** ∧ or **VOL** ∨.

  > **NOTE**: The downmix output's volume level is adjusted via control system programming.

- To mute the theater output, press **MUTE**. An indicator lights on the bottom of the display.

  > **NOTE**: The downmix output's mute function is controlled from the front panel. Refer to the latest version of the HD-XSP Operations & Installation Guide (Doc. 7446) for details.

- To unmute the theater output press **MUTE.**

  > **NOTE**: The downmix output's mute function is controlled from the front panel. Refer to the latest version of the HD-XSP Operations & Installation Guide (Doc. 7446) for details.

Additional Functions

Controls for the theater output, downmix output and display are available from the "HD-XSP" menu. For details, refer to the latest version of the HD-XSP Operations & Installation Guide (Doc. 7446).

For details, refer to the latest revision of the
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