1. Specifications

- **Enclosure:** Metal
- **Maximum Video Resolution:** Full HD 1080p (1920 x 1080),cheduling (1020 x 1200)
- **Number of DVI Inputs:** 8
- **Remote Control Support:** Yes
- **Serial Control Support:** Yes

**User Controls:**
- (1) EDID copy button
- (8) port selection buttons
- (1) audio jack

**Indicators:**
- (5) LEDs: (1) dual-color for Power and Video, (1) EDID copy button, (8) port selection buttons

**Power Consumption:** 4.5 W

**Size:** 11.7” x 11.7” x 4.7” (4.3 x 43.5 x 12 cm)

2. Overview

2.1 Features

- Selects (8) DVI or Audio from (8) DVI + Audio sources.
- Controls front panel push buttons, IR remote control, or serial control.
- **EDID Copy function** enables optimal screen resolution.
- **LED** shows the active status of DVI + Audio sources.
- **HDTV compatible.**
- **Supports** via HDPC.

2.2 What's Included

- **8 x 1 DVI and Audio Switch (AVSW-DVI8X1):**
  - Video switch
  - Rear bracket
  - Screw kit
  - Foot pad
  - IR remote controller
  - Power supply and power cord
  - This user manual
  - Optional:
    - Audio cable

2.3 Hardware Description

- **Figure 2-1:** Shows the front and back panels of the AVSW-DVI8X1.

3. Installation

- Before installation, power off all devices that will be connected to this system.
- **Make sure** that all devices you will connect are properly grounded.
- **Connect** cables away from fluorescent lights, air conditioners, and machines that are likely to generate electrical noise.

**NOTE:** If no screen displays, follow these steps:
1. Make sure the device cables are correctly and firmly attached.
2. Set your display device's input source as DVI.
3. Check the PC BIOS configuration for the video output settings.
4. Connect your computer to the display (DVI connector) to check if the video signal gets through.

**Installation Steps**
1. Use a video cable (DVI) to connect the display to the video output port on the back of the switch. Plug a set of audio jacks from the speakers to the switch's speaker port.
2. Set your display device's input source as DVI.
3. Connect the serial cable to a computer for serial control.
4. Turn on the display (monitor, projector, or TV) and the source device(s).
5. If necessary, use EDID Copy process to the unit.

**NOTE:** When each video source is powered on, make sure it has a display pointing to it for EDID communication. If a source does not have a display pointing to it, a video image might not display.

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Chapter 5: IR Remote Control/Chapter 6: Serial Control

5. IR Remote Control

The remote control operates within a 1.5-ft. (0.5-m) range of the DVI switch. To select a source device with a remote control, press the number button (1-8) to directly switch to the corresponding port.

**NOTES:**
- Remove the battery protector on the remote control before operation.
- On the remote control, only buttons 1-8 are activated. The rest of the buttons are reserved for other models.

6. Serial Control

The DVI and audio switch's built-in serial interface enables users to control the switch via a PC, serial controller devices, or home theater system. The controller's serial port should be configured as shown in Table 6-1.

**Table 6-1:** Serial parameters settings.

<table>
<thead>
<tr>
<th>Parameter Setting</th>
<th>Baud Rate</th>
<th>Data Bits</th>
<th>Parity</th>
<th>Stop Bits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9600</td>
<td>8</td>
<td>None</td>
<td>1</td>
</tr>
</tbody>
</table>

To select a device source via serial interface, enter the number that corresponds to the port. For example, enter “1” to switch to Port 1.