# Multimedia Controller Switcher

**Model:** AVS-318D

**Revision:** 19.04.2017

## SPECIFICATION

**INPUT:**
- 2 × VGA Input (*D-Sub 15pin)
- 2 × PC-Audio (*3.5mm)
- 1 × Mic Input (*6.3mm)
- 2 × HDMI Input (19 pin female with build in buffer)
- 1 × 12V DC Jack

**OUTPUT:**
- 1 × CAT5 TMDS output (To RX)
- 1 × CAT5 DDC output (To RX)
- 1 × VGA monitor output
- 1 × HDMI monitor output
- 1 × Main Stereo Audio

**VGA BANDWIDTH:**
900MHz (R+G+B)

**MAX RESOLUTION:**
Full HD 1080p (HDMI)

**ALL CABLE LENGTH:**
Up to 15 meter *subject to grade of cables used

**CONTROL BUTTON:**
Available protocol for each "Control Button": 8 (10 commands)
(8 or 2 depending on configurations)

**LED**
With LED indication and buzzer for confirmation

**VIDEO SELECTION:**
All Video/HDMI/VGA/USB Input Switching Digital

**AUDIO SELECTION:**
Audio Input Switching Digital

**VOLUME:**
Main Volume Control Analog

**MIC GAIN:**
Microphone Input Gain Control Analog

**POWER ADAPTOR:**
12V-DC, 1A

**HOUSING:**
ABS

**GROSS DIMENSIONS:**
200 × 200 × 80 mm

**GROSS WEIGHT:**
936 g

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**PRODUCT DESCRIPTION**

The ABtUS AVS-318D Media Control Panel is one of the most user friendly and installer friendly unit that is specifically designed for an easy and central control of any AV projection system. It removes the need for over-complicated and multiple remote control handsets. With CAT5 outputs and power over cable (POC), the AVS-318D can be done easily and within minutes.

## Typical Applications

- Schools (Media Classroom)
- Churches
- Corporate Applications (Meeting Room)

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**PRODUCT HIGHLIGHTS**

- "User Programmable" with Window base Application Software
- Simple to use with one to one function controlled button
- CAT5 outputs allows for quicker installations.
- Power over cable (POC).
- Support up to 15m
- Supports USB (HID), VGA and HDMI
- Works well with any monitors, projectors as well as interactive system
- Scan convert VGA input and output to HDMI

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**For details and updated Command and Program Software, please visit and download from:** [www.abtussingapore.com](http://www.abtussingapore.com)

*Specifications are subject to changes without notice.
**User Operation Guide**

**TURNING ON AND BASIC OPERATION CONTROL**

- **Power ON Button**: Press to turn projector power ON. LED will blink and stay on after “warm up time”.
- **Power OFF Button**: Press to turn projector power OFF. LED will blink and stay on after “cool down time”.
- **PICTURE BLANK**: Blank / unblank projector screen.
- **WiRELESS**: Set projector to wireless mode.
- **RS-232 OUT-1**: To control projector 1
- **RS-232 OUT-2**: To control projector 2

**Main Audio Output**: Connected from “Audio In” of the Multimedia Speaker System to 2RCA digital cable.

**HDMI-1**: Switch to HDMI 1
**HDMI-2**: Switch to HDMI 2

**PROGRAMMING INSTRUCTIONS**

**SYSTEM DIAGRAM**

**POWER ON Button**
Press to turn projector power ON. LED will blink and stay on after “warm up time”.

**PROGRAMMING INSTRUCTIONS**

**AVS-318D Dip switches setting:**

<table>
<thead>
<tr>
<th>Projector Models for reference</th>
<th>Dip Switch 1</th>
<th>Dip Switch 2</th>
<th>Dip Switch 3</th>
<th>Dip Switch 4</th>
<th>Baud Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panasonic PT-VW530</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>9600/1</td>
</tr>
<tr>
<td>Panasonic PT-LB330</td>
<td>On</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>19200/1</td>
</tr>
<tr>
<td>Sony VPL-EW245</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>38400/1</td>
</tr>
<tr>
<td>Hitachi</td>
<td>On</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>38400/1</td>
</tr>
<tr>
<td>NEC ME60X</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>38400/1</td>
</tr>
<tr>
<td>ViewSonic D337</td>
<td>Off</td>
<td>On</td>
<td>On</td>
<td>Off</td>
<td>9600/1</td>
</tr>
<tr>
<td>Promethean EST-P1</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>19200/1</td>
</tr>
<tr>
<td>CASIO XJ-M150</td>
<td>Off</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>9600/1</td>
</tr>
<tr>
<td>EPSON EB-470</td>
<td>Off</td>
<td>On</td>
<td>Off</td>
<td>On</td>
<td>115200/1</td>
</tr>
<tr>
<td>ISIP (default BENQ)</td>
<td>Off</td>
<td>On/Off</td>
<td>On/Off</td>
<td>On/Off</td>
<td>115200/1</td>
</tr>
</tbody>
</table>

**Warning**: Crossing of CAT-5/6 cables could cause permanent damages to the unit. Please take extra care to ensure the CAT-5 cable connects TMDS port on AVS-318C to TMDS port on receiver and DDC port on AVS-318C to DDC port on receiver.

**AVS-318D Dip switches setting:**

- **RS-232 OUT-1**: To control projector 1
- **RS-232 OUT-2**: To control projector 2

**Warning**: Crossing of CAT-5/6 cables could cause permanent damages to the unit. Please take extra care to ensure the CAT-5 cable connects TMDS port on AVS-318C to TMDS port on receiver and DDC port on AVS-318C to DDC port on receiver.

- **Power OFF Button**: Press to turn projector power OFF. LED will blink and stay on after “cool down time”.
- **WiRELESS**: Set projector to wireless mode.

**Main Audio Output**: Connected from “Audio In” of the Multimedia Speaker System to 2RCA digital cable.

**HDMI-1**: Switch to HDMI 1
**HDMI-2**: Switch to HDMI 2

**Configuration COM Port**: 1 x RS-232 (9600, 8 data bit, Non Parity and 1 stop bit)

**COM Port**: 1 x RS-232 (8 Data Bit and 1 Stop Bit)
Baud Rate (9600 to 115200)
Parity Bit (Non, Even or Odd)

**Delay Time**: Projector “ON/OFF” delay time (*in sec) 1 to 99

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