

ATEN VS184B

ATEN VS184B 4-Port True 4K HDMI Splitter User Manual

1. INTRODUCTION

The ATEN VS184B is a 4-Port True 4K HDMI Splitter designed to reliably distribute a single HDMI source to four HDMI displays simultaneously. It supports True 4K resolutions up to 4096 x 2160 at 60Hz (4:4:4) and is compatible with HDMI (3D, Deep Color, 4K) and HDCP 2.2. This device is ideal for applications requiring high-quality video distribution to multiple screens.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x ATEN VS184B 4-Port True 4K HDMI Splitter
- 1 x Power Adapter
- 1 x User Instructions

3. PRODUCT FEATURES

- Connects one HDMI source to four HDMI displays simultaneously.
- Supports HDMI features including 3D, Deep Color, and True 4K resolution.
- HDCP 2.2 compliant for secure content transmission.
- Maximum pixel clock rate up to 600 MHz.
- Long distance transmission capability: up to 15 meters (1920x1200) or 1.8 meters (True 4K).

4. SETUP INSTRUCTIONS

Follow these steps to set up your ATEN VS184B HDMI Splitter:

1. **Power Off Devices:** Ensure all source devices (e.g., Blu-ray player, gaming console) and display devices (e.g., TV, monitor) are powered off and unplugged from their power outlets.
2. **Connect HDMI Source:** Connect an HDMI cable from your HDMI source device to the HDMI input port on the ATEN VS184B splitter.
3. **Connect HDMI Displays:** Connect HDMI cables from the four HDMI output ports on the ATEN VS184B

splitter to your four HDMI display devices.

- 4. **Connect Power Adapter:** Plug the provided power adapter into the power jack of the VS184B splitter, then plug the adapter into an AC power outlet.
- 5. **Power On Devices:** Power on your display devices first, then power on your HDMI source device. The splitter will automatically detect the input and distribute the signal.



Figure 1: Front and rear view of the ATEN VS184B 4-Port True 4K HDMI Splitter, showing input and output ports for connection.

5. OPERATING INSTRUCTIONS

Once the setup is complete, the ATEN VS184B operates automatically. The splitter will detect the HDMI input signal and replicate it to all connected HDMI output displays. No manual configuration is typically required for basic operation.

- Ensure all connected devices are powered on and functioning correctly.
- The splitter supports plug-and-play functionality. If a display is connected or disconnected during operation, the splitter will attempt to re-establish the connection.

6. SPECIFICATIONS

Feature	Detail
Model Number	VS184B
Product Dimensions	20 x 8 x 2.5 inches
Item Weight	1.95 pounds
Manufacturer	Aten
Color	Black
Connector Type	HDMI
Compatible Devices	DVD Player, and other HDMI sources
Cable Type	HDMI

Max Resolution	4096 x 2160 (True 4K)
HDCP Compliance	HDCP 2.2

7. TROUBLESHOOTING

If you encounter issues with your ATEN VS184B, refer to the following common problems and solutions:

- **No Signal on Display:**
 - Ensure all HDMI cables are securely connected to both the source, splitter, and displays.
 - Verify that the splitter's power adapter is properly connected and the unit is powered on.
 - Check if the source device is powered on and outputting an HDMI signal.
 - Try connecting the HDMI source directly to a display to confirm the source and display are working independently.
 - Test with different HDMI cables, as faulty cables can cause signal loss.
- **Poor Video Quality or Flickering:**
 - Ensure you are using high-quality HDMI cables, especially for 4K resolutions and longer distances.
 - Check the resolution settings on your source device. Ensure it is compatible with your displays and the splitter.
 - Verify that the total cable length (source to splitter + splitter to display) does not exceed the recommended maximum for your resolution.
- **Audio Issues:**
 - Confirm that the audio settings on your source device are correctly configured.
 - Ensure your displays are capable of playing the audio format being sent by the source.

8. MAINTENANCE

To ensure the longevity and optimal performance of your ATEN VS184B HDMI Splitter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure the unit has adequate ventilation and is not placed in an enclosed space that could lead to overheating.
- **Storage:** When not in use for extended periods, store the splitter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Avoid bending HDMI cables sharply or placing heavy objects on them, as this can damage the cables and affect signal integrity.

9. WARRANTY AND SUPPORT

ATEN provides comprehensive support for its products. For warranty information, technical assistance, or service inquiries, please refer to the official ATEN website or contact their customer support directly.



Figure 2: ATEN offers various support services, including localized repair centers, extended warranty options, and free technical support with prompt response times.

For the most up-to-date support resources, visit the official ATEN website: www.aten.com