ATEN VE800A

ATEN HDMI Cat 5 Extender (VE800A) User Manual

Model: VE800A

INTRODUCTION

The VE800A HDMI extender extends your HDMI display up to 60 m away from your HDMI source using one Cat 5e cable. ATEN's VE800A incorporates new technology that allows the A/V signals to be transmitted over a single Cat 5e cable. A DDC port is provided for the ability to use the display's EDID by simply connecting another Cat 5e cable. The VE800A supports HDMI features such as 3D and deep color to give you the picture perfect viewing experience you desire.

This image shows the two main components of the ATEN HDMI Cat 5 Extender: the transmitter unit (VE800AT) and the receiver unit (VE800AR). Both units are compact, black, rectangular devices with ports for HDMI and Cat 5e cables, and power indicators.

PRODUCT FEATURES

- Uses Cat 5e cable to extend the distance between HDMI source and HDMI display.

- Extends 1080p by 40 M; extends 1080i (HDTV) by 60 M.

- HDMI (3D, deep Color); HDCP compatible.

- 8 segment equalization adjustment switch optimizes display quality.

- Superior video quality.

PACKAGE CONTENTS

Please check the contents of your package. If anything is missing or damaged, contact your dealer.

- 1x VE800AT HDMI Cat 5 Extender Transmitter
- 1x VE800AR HDMI Cat 5 Extender Receiver
- 2x Power Adapters
- 1x User Manual (this document)

SETUP

Connection Diagram

The VE800A system consists of a transmitter unit (VE800AT) and a receiver unit (VE800AR). The transmitter connects to your HDMI source device, and the receiver connects to your HDMI display. A single Cat 5e cable links the transmitter and receiver units, carrying the HDMI signal over distance.

Installation Steps

1. Ensure all devices (HDMI source, display, and extender units) are powered off before beginning installation.
2. Connect your HDMI source device (e.g., Blu-ray player, PC) to the HDMI input port on the VE800AT (Transmitter) unit using an HDMI cable.
3. Connect your HDMI display device (e.g., TV, projector) to the HDMI output port on the VE800AR (Receiver) unit using an HDMI cable.
4. Connect the RJ-45 port on the VE800AT (Transmitter) to the RJ-45 port on the VE800AR (Receiver) using a single Cat 5e Ethernet cable. Ensure the cable length does not exceed 40 meters for 1080p resolution or 60 meters for 1080i resolution.
5. Connect the provided power adapters to the power jacks on both the VE800AT and VE800AR units, then plug them into a power outlet.
6. Power on your HDMI display, then your HDMI source device. Finally, power on the VE800A extender units.

OPERATION

Equalization Adjustment

The VE800A features an 8-segment equalization adjustment switch. This switch allows you to optimize the video signal quality based on the length of the Cat 5e cable used. If you experience flickering, poor image quality, or no signal, adjust this switch incrementally until the best picture is achieved. Longer cable runs typically require higher equalization settings.

EDID Functionality

The DDC port on the VE800A allows for EDID (Extended Display Identification Data) pass-through. By connecting another Cat 5e cable to this port, the extender can read the EDID information directly from your display, ensuring optimal compatibility and resolution settings between your source and display devices.

MAINTENANCE

- Keep the VE800A units in a cool, dry environment, away from direct sunlight, heat sources, and excessive moisture.
- Clean the units with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Do not attempt to disassemble or repair the units yourself. Refer all servicing to qualified service personnel.
- Ensure proper ventilation around the units to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output	Loose cable connections; Power not supplied; Incorrect equalization setting; Exceeded cable length.	Check all HDMI and Cat 5e cable connections; Ensure both extender units are powered on; Adjust the 8-segment equalization switch; Verify Cat 5e cable length is within specifications.
Poor video quality (flickering, distorted image)	Incorrect equalization setting; Low quality Cat 5e cable; Interference.	Adjust the 8-segment equalization switch incrementally; Use a high-quality Cat 5e cable; Ensure the Cat 5e cable is not running parallel to power lines or other sources of electromagnetic interference.
No 3D or Deep Color support	Source/Display not compatible; Cable issues.	Ensure both your HDMI source and display support 3D and Deep Color; Check HDMI cable quality.

SPECIFICATIONS

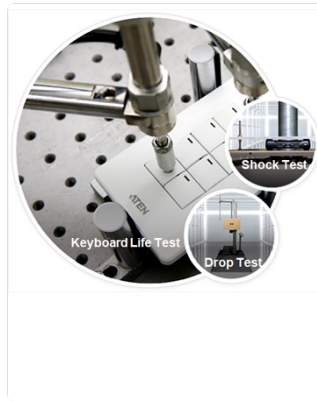| Feature	Detail
Product Dimensions	9 x 5.5 x 2.2 inches
Item Weight	11.2 ounces
Manufacturer	ATEN TECHNOLOGIES
ASIN	B00SCE0UJM
Item Model Number	VE800A
Date First Available	January 16, 2015
Compatible Devices	Television
Connector Type	HDMI
Color	Black

SUPPORT AND WARRANTY

ATEN is committed to providing comprehensive support and ensuring the longevity of its products. For any technical assistance or service inquiries, please refer to the following:

- **Localized Repair Center:** ATEN offers a localized repair center for efficient RMA (Return Merchandise Authorization) services.
- **Extended Warranty Options:** Variable value-added service packages are available, including options for extended warranty coverage.
- **Free Technical Support:** Customers can access free technical support for assistance with product setup, operation, and troubleshooting.
- **Prompt Response:** ATEN aims to respond to customer inquiries within 4 hours, ensuring timely resolution of issues.

This diagram illustrates ATEN's customer support services, including a localized repair center for RMA, extended warranty options, and free technical support with a 4-hour response time.

This image shows various product quality tests conducted by ATEN, including a keyboard life test, shock test, and drop test, ensuring product durability and reliability.
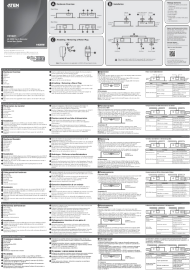

The ATEN company logo, featuring the brand name with a stylized network icon, and the tagline 'Simply Better Connections'.

A wide banner image representing the ATEN brand, featuring a blue and white color scheme with abstract geometric shapes and industrial background elements, conveying a sense of technology and connectivity.

Related Documents - VE800A

	[ATEN VE800A HDMI Extender Quick Start Guide](#) This guide provides instructions for installing and operating the ATEN VE800A HDMI Extender, including hardware review, installation steps, and operation details for image adjustment.
	[ATEN VE803 HDMI USB Extender User Manual](#) User manual for the ATEN VE803 HDMI USB Extender, detailing its features, installation, operation, specifications, and support information.
	[ATEN CE801 USB True 4K HDMI Cat 6 KVM Extender User Manual](#) User manual for the ATEN CE801, a USB True 4K HDMI Cat 6 KVM Extender. Covers installation, hardware setup, operation, specifications, safety, and technical support. Supports resolutions up to 3840x2160 @ 60Hz (4:4:4) over Cat 6 cable up to 70m, or 1080p up to 100m in Long Reach Mode.
	[ATEN VE1821 4K HDMI Cat 6 Extender Quick Start Guide](#) This guide provides instructions for setting up and operating the ATEN VE1821 4K HDMI Cat 6 Extender, including hardware overview, installation, operation, and LED behavior.
	[ATEN CE801 USB True 4K HDMI Cat 6 KVM Extender Quick Start Guide](#) Quick start guide for the ATEN CE801 USB True 4K HDMI Cat 6 KVM Extender, detailing hardware overview, installation, USB control modes, and EDID settings.
	[ATEN VE811 HDMI HDBaseT Extender Quick Start Guide](#) Quick start guide for the ATEN VE811 HDMI HDBaseT Extender, detailing hardware overview, installation steps, package contents, and troubleshooting. Supports extended HDMI transmission up to 150 meters at 1080p resolution via HDBaseT technology.