Wall Plate Extenders
More Interfaces, Less Hassle
03 - 04  Why Choose Wall Plate Extenders?
05 - 06  Size Compatible with US, EU, MK Standards
07 - 13  HDBaseT™ Wall Plate Extenders
14 - 16  Cat5 / Cat6 Wall Plate Extenders
17  Applications
Why Choose Wall Plate Extenders?

The convenience and elegance that only wall plate extenders provide will enable you to immerse your AV extensions for any application into any environment, such as on walls or tables, to merge with all kinds of room decor while concealing cables and other equipment out of sight.

**Conceal Cabling**
Hide bulky cabling and other installed equipment out of sight

**Convenient Placement**
Flexibly place signal input and output connections exactly where they are needed

**Complimentary Design**
Mount on any surface while simply blending in with the environment
Why Choose Wall Plate Extenders?

Elegantly Immerse Extensions into Any Room

Conceal Cabling

Hide bulky cabling and other installed equipment out of sight

Convenient Placement

Flexibly place signal input and output connections exactly where they are needed

Complimentary Design

Mount on any surface while simply blending in with the environment

The convenience and elegance that only wall plate extenders provide will enable you to immerse your AV extensions for any application into any environment, such as on walls or tables, to merge with all kinds of room decor while concealing cables and other equipment out of sight.

By blending into the surfaces they are mounted on, wall plate extenders create a smart, clutter-free experience that provides handy AV input and output connections exactly where you need them, delivering reliable AV signals in style.
Size Compatible with US, EU, MK Standards

ATEN US/decora-type wall plate extenders can be conveniently mounted in standard wall boxes. In addition, the EU/MK-type wall plates are designed with minimal dimension requirements which are compatible to fit both EU and MK standards across different regions.
ATEN US/decora-type wall plate extenders can be conveniently mounted in standard wall boxes. In addition, the EU/MK-type wall plates are designed with minimal dimension requirements which are compatible to fit both EU and MK standards across different regions.

*Reference Surface Opening (L x W x H):
9.5 x 9.84 x 4.2 cm (3.74 x 3.87 x 1.65 in)

*Reference Surface Opening (L x W x H):
5.25 x 11.1 x 3.55 cm (2.07 x 4.37 x 1.4 in)
ATEN HDBaseT™ Wall Plate Extenders allow you to connect and transmit AV signals from source devices up to 100m or more over a single Cat 5e/6/6a or ATEN 2L-2910 Cat 6 cable.

**HDBaseT™ Wall Plate Extenders**

**Convenient Installation**
Provides comprehensive options for different regions with support for US/decora and EU/MK types

**HDBaseT Support**
Extends high quality video up to 4K@100m, control signals, and power via a single cable

**Superior Video Quality**
Delivers up to 4K@100m and 1080p@150m (HDBaseT Long Reach Mode)

**Interface Conversion**
Pair with ATEN Receivers to support diverse display interfaces such as DisplayPort, HDMI, DVI
HDBaseT™ Wall Plate Extenders

Convenient Installation
Provides comprehensive options for different regions with support for US/decora and EU/MK types

Superior Video Quality
Delivers up to 4K@100m and 1080p@150m (HDBaseT Long Reach Mode)

HDBaseT Support
Extends high quality video up to 4K@100m, control signals, and power via a single cable

Interface Conversion
Pair with ATEN Receivers to support diverse display interfaces such as DisplayPort, HDMI, DVI

ATEN HDBaseT™ Wall Plate Extenders allow you to connect and transmit AV signals from source devices up to 100m or more over a single Cat 5e/6/6a or ATEN 2L-2910 Cat 6 cable.
VE1801UST / VE1801EUT
HDMI HDBaseT-Lite Transmitter with US / EU Wall Plate (4K@40m)

- Extends up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0) at 40m, and 1080p at 70m
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 Compliant
- Compatible with HDBaseT-certified 3rd party devices
VE2812AUST / VE2812AEUT
HDMI & VGA HDBaseT Transmitter with US / EU Wall Plate / POH (4K@100m)

- Extends HDMI up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); VGA up to 1600 x 1200 / 1920 x 1200 at 100m
- HDMI 1.4 (3D, Deep color, 4K); HDCP 2.2 Compliant
- Supports HDBaseT Long Reach Mode of up to 1080p@150m
- Supports Power over HDBaseT (POH)
- Compatible with HDBaseT-certified 3rd party devices

*Note: The brown color option (VE2812AUST2) is made-to-order. Please contact your regional ATEN representative to place an order.
Get the Most out of a Hybrid 3-in-1 Solution!

Switch
Between VGA & HDMI inputs

Extend
1080p up to 150m / 4K up to 100m

Convert
From HDMI / VGA to DVI / HDMI / DP

Suggested ATEN PSE Devices:

**VP1421**
4 x 2 True 4K Presentation Matrix Switch
- 2 HDMI, 1 VGA, 1 HDBaseT inputs to 1 HDMI, 1 HDBaseT outputs
- Built-in audio DSP
- IR, RS-232, Ethernet control
- Supports PoH

**VE44PB**
4-Output PoH/PoE Power Injector
- Power up to 4 ATEN PoH/PoE products
- Supports HDBaseT connectivity
- Supplies 15.4W power / port
- Assured signal quality (with 80% original transmission distance)
Suggested ATEN HDBaseT Receivers:

<table>
<thead>
<tr>
<th>Receiver Model</th>
<th>VE2812R</th>
<th>VE1812R</th>
<th>VE814AR</th>
<th>VE811R</th>
<th>VE801R</th>
<th>VE802R</th>
<th>VE601R</th>
<th>VE901R</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Photo</strong></td>
<td><img src="image1" alt="VE2812R" /></td>
<td><img src="image2" alt="VE1812R" /></td>
<td><img src="image3" alt="VE814AR" /></td>
<td><img src="image4" alt="VE811R" /></td>
<td><img src="image5" alt="VE801R" /></td>
<td><img src="image6" alt="VE802R" /></td>
<td><img src="image7" alt="VE601R" /></td>
<td><img src="image8" alt="VE901R" /></td>
</tr>
<tr>
<td><strong>Video Output</strong></td>
<td>HDMI (audio de-embedding)</td>
<td>HDMI</td>
<td>HDMI *2</td>
<td>HDMI</td>
<td>HDMI</td>
<td>HDMI</td>
<td>DVI</td>
<td>DisplayPort</td>
</tr>
<tr>
<td><strong>IR/RS-232</strong></td>
<td>IR/RS-232</td>
<td>IR/RS-232</td>
<td>IR/RS-232</td>
<td>N/A</td>
<td>N/A</td>
<td>IR/RS-232</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>HDBaseT</strong></td>
<td>1.0 Class A</td>
<td>1.0 Class B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Transmission Distance</strong></td>
<td>4K up to 100m ; 1080p up to 150m (Long Reach Mode enable)</td>
<td>4K up to 40m ; 1080p up to 70m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Long Reach Mode</strong></td>
<td>Yes</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Comparison Table

<table>
<thead>
<tr>
<th>Connection</th>
<th>HDMI</th>
<th>HDBaseT*</th>
<th>HDMI &amp; VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Interface</td>
<td>US</td>
<td>MK / EU</td>
<td>US</td>
</tr>
<tr>
<td>Type</td>
<td>HDBaseT*</td>
<td>HDMI &amp; VGA</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>VE1801UST</td>
<td>VE1801EUT</td>
<td>VE2812AUST</td>
</tr>
<tr>
<td>Photo</td>
<td><img src="image1.png" alt="4K" /></td>
<td><img src="image2.png" alt="4K" /></td>
<td><img src="image3.png" alt="4K" /></td>
</tr>
<tr>
<td>Inputs to Outputs</td>
<td>1 Input</td>
<td>2 Inputs</td>
<td></td>
</tr>
<tr>
<td>Max. Resolution / Distance</td>
<td>4K@40m, 1080p@70m</td>
<td>4K@100m, 1080p@100m</td>
<td></td>
</tr>
<tr>
<td>HDCP</td>
<td>2.2</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>Long Reach Mode**</td>
<td>N/A</td>
<td>• (Active)</td>
<td></td>
</tr>
<tr>
<td>Audio</td>
<td>• (HDMI)</td>
<td>• (HDMI / Stereo)</td>
<td></td>
</tr>
<tr>
<td>RS-232 Channel</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>IR Channel</td>
<td>N/A</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>POH</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Suggested ATEN Cable</td>
<td>2L-2910 305M HDBaseT SF/UTP Cat 6 Cable</td>
<td>• Supports up to 4K resolution • Verified to meet performance requirements set by HDBaseT Alliance</td>
<td></td>
</tr>
</tbody>
</table>

* Ensure high quality maximum distance video transmission with ATEN HDBaseT Cat 6 Cable, 2L-2910.

** Models marked 'Active' provide Long Reach Mode support which can be activated via a switch on the unit.
Cat5 / Cat6 Wall Plate Extenders

ATEN Cat5 / Cat6 Wall Plate Extenders connect via Cat5e/6 cables with support for HDMI up to 1080p@40m / 1080i@60m, DVI up to 1920 x 1200@40m, and VGA up to 1280 x 1024@150m.

<table>
<thead>
<tr>
<th>Connection</th>
<th>HDBaseT*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Video Interface</td>
<td>HDMI HDMI &amp; VGA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type</th>
<th>US MK / EU US MK / EU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>VE1801UST VE1801EUT VE2812AUST VE2812AEUT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photo</th>
<th>Inputs to Outputs</th>
<th>1 Input 2 Inputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Resolution / Distance</td>
<td>4K@40m</td>
<td>1080p@70m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HDCP</th>
<th>2.2 2.2</th>
</tr>
</thead>
</table>

**Models marked ‘Active’ provide Long Reach Mode support which can be activated via a switch on the unit.**

<table>
<thead>
<tr>
<th>Audio</th>
<th>• (HDMI) • (HDMI / Stereo)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-232 Channel</td>
<td>• •</td>
</tr>
<tr>
<td>IR Channel</td>
<td>N/A •</td>
</tr>
<tr>
<td>POH</td>
<td>N/A •</td>
</tr>
</tbody>
</table>

**Suggested ATEN Cable**

2L-2910

305M HDBaseT SF/UTP Cat 6 Cable

- Supports up to 4K resolution
- Verified to meet performance requirements set by HDBaseT Alliance

Convenient Installation

Provides comprehensive options for different regions with support for US/decora and EU/MK types

Plug-and-Play

Comes in compatible receiver and transmitter pairs designed for efficient plug-and-play setup

Superior Video Quality

HDMI up to 1080p@40m / 1080i@60m, DVI up to 1920 x 1200@40m, and VGA up to 1280 x 1024@150m

Equalizer Technology

Features 8 segment equalization switch to compensate for cable attenuation and deliver stable, high quality video signals
- Connection via Cat5e/6 cables
- Remotely powered from either the Transmitter or Receiver
- Video optimization via Adjustable Video Compensation Control (VE156, VE157), and 8-Segment Equalization Adjustment Switch (VE606, VE607, VE806, VE807)
- HDMI support 3D, Deep Color, HDCP compatibility (VE806, VE807)
## Comparison Table

<table>
<thead>
<tr>
<th>Connection</th>
<th>Video Interface</th>
<th>Type</th>
<th>HDMI</th>
<th>DVI</th>
<th>HDMI &amp; VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>US</td>
<td>MK / EU</td>
<td>US</td>
<td>MK / EU</td>
</tr>
<tr>
<td>Video Interface</td>
<td>HDMI/Audio Extender</td>
<td>(1080p@40m)</td>
<td>VE806</td>
<td>VE807</td>
<td>VE606</td>
</tr>
<tr>
<td></td>
<td>DVI/Audio Extender</td>
<td>(1920x1200@40m)</td>
<td>VE606</td>
<td>VE607</td>
<td>VE156</td>
</tr>
<tr>
<td></td>
<td>VGA/Audio Extender</td>
<td>(1280x1024@150m)</td>
<td>VE156</td>
<td>VE157</td>
<td></td>
</tr>
</tbody>
</table>

- **Connection via Cat5e/6 cables**
- **Remotely powered from either the Transmitter or Receiver**
- **Video optimization via Adjustable Video Compensation Control (VE156, VE157), and 8-Segment Equalization Adjustment Switch (VE606, VE607, VE806, VE807)**
- **HDMI support 3D, Deep Color, HDCP compatibility (VE806, VE807)**

### Cat 5 / Cat 6

<table>
<thead>
<tr>
<th>Connection</th>
<th>Video Interface</th>
<th>Type</th>
<th>HDMI</th>
<th>DVI</th>
<th>HDMI &amp; VGA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>US</td>
<td>MK / EU</td>
<td>US</td>
<td>MK / EU</td>
</tr>
<tr>
<td>Video Interface</td>
<td>Connection</td>
<td>Cat 5 / Cat 6</td>
<td>1 to 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inputs to Outputs</td>
<td>Max. Resolution / Distance</td>
<td>1080p@40m; 1080i@60m</td>
<td>1920 x 1200@40m; 1280 x 1024@60m</td>
<td>1920 x 1200@30m; 1280 x 1024@150m</td>
</tr>
<tr>
<td></td>
<td>HDCP</td>
<td>1.4</td>
<td>1.4</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Audio</td>
<td>(HDMI / Stereo)</td>
<td>(Stereo)</td>
<td>(Stereo)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RS-232 Channel</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IR Channel</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>POC</td>
<td>Two way</td>
<td>Two way</td>
<td>Two way</td>
<td></td>
</tr>
</tbody>
</table>

### Suggested ATEN Cable

**2L-2801**

- **305M Low Skew Cat 5e Cable**
- High quality RGB video transmission
- Delay Skew: 1 - 350MHz 20nS/100m Max
Applications

ATEN Wall Plate Extenders can be mounted on tables and walls, which is perfect for diverse applications such as in lecture halls, meeting rooms, and conference rooms where these challenges are faced:

- Extending AV sources across long distances to output devices
- Switching between source inputs without having to interrupt the event in process
- Messy cabling that needs to be hidden out of view
Corporate Headquarters
ATEN International Co., Ltd.
3F, No.125, Sec. 2, Datung Rd., Sijhih District, New Taipei City 221, Taiwan
Phone: +886-2-8692-6789  Fax: +886-2-8692-6767
E-mail: marketing@aten.com

North America Region:
ATEN Technology Inc.
Irvine (CA) Headquarters
15365 Barranca Parkway, Irvine, CA 92618, U.S.A.
Phone: +1-949-428-1111  Fax: +1-949-428-1100
E-mail: sales@aten-usa.com

New Jersey Branch
220 Davidson Avenue, Suite 404, Somerset, NJ 08873, U.S.A.
Phone: +1-732-356-1703  Fax: +1-732-356-1639
E-mail: sales@aten-usa.com

EMEA Region:
ATEN Infotech N.V.
Mijnwerkerlaan 34, 3550 Heusden-Zolder, Belgium
Phone: +32-11-531543  Fax: +32-11-531544
E-mail: sales@aten.be

ATEN U.K. Limited
466 Malton Avenue, Slough SL1 4QU, U.K.
Phone: +44-1753-539-121  Fax: +44-1753-215-253
http://www.aten.com/uk/en/
E-mail: sales@aten.co.uk

Oceania Region:
ATEN ANZ Pty Ltd.
Suite 3, 19, 22 Delhi Road, North Ryde, NSW 2113, Australia
Phone: +61-2-9114-9933  Fax: +61-2-8072-3723
E-mail: sales@au.aten.com

Asia Pacific Region:
ATEN China Co., Ltd.
Beijing Headquarters
18/F, Tower A, Horizon International Tower, No.6, Zhichun Road, Haidian District, Beijing, China 100088
Phone: +86-10-5225-0110  Fax: +86-10-8296-1318
http://www.aten.com/cn/zh/
E-mail: sales@aten.com.cn

Shanghai Branch
18E, Shanghai Industrial Investment Building, No. 18 Cao Xi Bei Road, Xuhui District, Shanghai 200030, China
Phone: +86-21-3126-0110  Fax: +86-21-3126-0110-310
http://www.aten.com/cn/zh/
E-mail: sales@aten.com.cn

Guangzhou Branch
Room 3913, Ren-Feng Building, No. 490 Tian He Road, Tian He District, Guangzhou 510620, China
Phone: +86-20-3835-0810  Fax: +86-20-3835-0810
http://www.aten.com/cn/zh/
E-mail: sales@aten.com.cn

ATEN Japan Co., Ltd.
Tokyo Headquarters
ATEN Bldg. 8-4, Minami-senju 3-chome, Arakawa-ku, Tokyo 116-0003, Japan
Phone: +81-3-5615-5810  Fax: +81-3-3891-3810
http://www.aten.com/jp/ja/
E-mail: sales@atenjapan.jp

Osaka Branch
Awajimachi Dai-Building 3F
3-1-9, Awajimachi, Chuo-ku, Osaka-shi, 541-0047, Japan
Phone: +81-6-6229-5810  Fax: +81-6-6229-8810
http://www.aten.com/jp/ja/
E-mail: sales@atenjapan.jp

ATEN Korea Co., Ltd.
Seoul Headquarters
B-303, 32, Digital-ro 9-gil, Geumcheon-gu, Seoul 08512, Korea
Phone: +82-2-467-6789  Fax: +82-2-467-9876
http://www.aten.com/kor/ko/
E-mail: sales@aten.co.kr

Busan Branch
1111, 99, Centum dong-ro, Haeundae-gu, Busan 48059, Korea
Phone: +82-51-782-7156  Fax: +82-51-782-7157
http://www.aten.com/kor/ko/
E-mail: roy@aten.co.kr

Atech Peripherals, Inc.
New Taipei Headquarters
6F, No.133, Sec. 2, Datung Rd., Sijhih District, New Taipei City 221, Taiwan
Phone: +886-2-8692-6969  Fax: +886-2-8692-6926
http://www.aten.com/tw/zh/
E-mail: taiwan@aten.com

Kaohsiung Office
Room D, 8F, No. 117, Zhongshan 1st Rd., Xinxing District, Kaohsiung 800, Taiwan
Phone: +886-7-286-8188  Fax: +886-7-286-8199
http://www.aten.com/tw/zh/
E-mail: taiwan@aten.com

ATEN India Rep. Office
Unit 406, 4th Floor, Barton Center, M.G. Road, Bangalore - 560001, India
Phone 1: +91-80-48517231  Phone 2: +91-9886151525
http://www.aten.com
E-mail: South-Asia@aten.com

© Copyright 2020 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd. All rights reserved. All other trademarks are the property of their respective owners.