Atlona and B&O
ATLONA / BANG & OLUFSSEN GLOBAL PARTNERSHIP

• Atlona products will be preconfigured for ‘plug-n-play’ compatibility with Bang & Olufsen systems

• Bang & Olufsen dealers can purchase Atlona products directly from the B&O dealer website

• Atlona’s equipment is preconfigured to work with Bang & Olufsen products

• Atlona products complement the Bang & Olufsen products in a way that gives the end customer a fully integrated solution and creates an additional revenue stream which their dealers can build upon.
Products Offered

- HDMI Switchers
- HDMI Extenders
- Converters
- Accessories
- Testing Kit
AT-UHD-PRO3-44M

- 4K/UHD with HDCP 2.2
- 1 Output Up to 328ft @ 4K
- 3 Outputs Up to 230ft @ 4K
- PoE (Power over Ethernet)
- RS-232, IR, IP control
- EDID Management with built in 12 block table
- HDMI Output with independently selectable mirror or matrix mode
- Audio de-embedding with volume, mute, and 5-band EQ
B&O Setup
Integration made simple

- Less cable mess
- Fast and simple connectivity
- Same remote for:
  - Sources
  - Matrix
  - Display
- Plug and play solution
- Drivers already written
- Same Set-up for all matrix switchers
AT-UHD-PRO3-66M

AT-UHD-PRO3-66M
• 4K/UHD with HDCP 2.2
• 2 Output Up to 328ft @ 4K
• 4 Outputs Up to 230ft @ 4K
• PoE (Power over Ethernet)
• RS-232, IR, IP control
• EDID Management with built in 12 block table
• HDMI Output with independently selectable mirror or matrix mode
• Audio de-embedding with volume, mute, and 5-band EQ
AT-UHD-EX-70C-RX

- 4K/UHD with HDCP 2.2
- Up to 230ft @ 1080P
- Up to 130ft@ 4k
- PoE (Power over Ethernet)
- RS-232, IR control
- Multi-Channel audio compliant
- Low-profile
- Field updatable firmware
AT-UHD-PRO3-88M

• 4K/UHD with HDCP 2.2
• 4 Output Up to 328ft @ 4K
• 4 Outputs Up to 230ft @ 4K
• PoE (Power over Ethernet)
• RS-232, IR, IP control
• EDID Management with built in 12 block table
• HDMI Output with independently selectable mirror or matrix mode
• Audio de-embedding with volume, mute, and 5-band EQ
AT-UHD-PRO3-1616M

- 4K/UHD with HDCP 2.2
- 8 Output Up to 328ft @ 4K
- 8 Outputs Up to 230ft @ 4K
- PoE (Power over Ethernet)
- RS-232, IR, IP control
- EDID Management with built in 12 block table
- HDMI Output with independently selectable mirror or matrix mode
- Audio de-embedding with volume, mute, and 5-band EQ
AT-UHD-EX-100CE-RX

- 4K/UHD with HDCP 2.2
- Up to 328ft @ 4K
- PoE (Power over Ethernet)
- RS-232, IR, and IP control
- Multi-Channel audio compliant
- Low-profile
- Field updatable firmware
- 10Baset-T Ethernet
Different types of IR Connectors

AT-BO-RJ45-UHD-1MIR

AT-CS-IR-TX

AT-LC-CS-IR
PUC-A Connector

- PUC Connector provided by B&O
- For Connectivity with 3.5 mono mono Atlona/B&O cable
- Must Connect to PUC-A connection on display

B&O part #6271233
Extending the Beosystem4
M2C – Talking Points

AT-HD-M2C

• Audio De-embedding
• Down-Mixes Multi-channel Digital audio to 2 channel
• All Outputs: 2 channel audio
• Digital to Analog Conversion
• Reports Multi-Channel EDID to the source
• Bandwidth 6.75 Gbps (1080p or 1920x1200)
• Supports all formats of 3D
• Compatible with all audio formats:
  o 2 channel PCM
  o LPCM
  o 5.1 Dolby
  o Dolby Digital
  o Dolby Digital Plus
  o Dolby TrueHD
  o DTS
  o DTS Digital Surround
  o DTS-HD Master Audio.

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DTS, DTS-HD, the Symbol, & DTS or DTS-HD and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All Rights Reserved.
When displays are in a remote location or not yet present the DIS7-PROHD validates signal integrity of the incoming line.

The HD800 allows users to view the TV EDID file which includes resolutions, video timing, audio support for any DVI or HDMI video display.

The UHDSYNC supports 4K resolutions, 5V, HPD, HDCP testing and emulating the EDID.
AT-DIS7-PROHD

- Supports resolutions up to 1080p/ 1920x1200
- HDCP compliant
- Built in stereo speakers
- Capable of 3D testing
- VGA/ Component
- DVI/ HDMI
- Deep color support
- Rack mountable
- Capable of emulating display EDID
- 7 inch display
AT-HD800

- Supports resolutions up to 1080p/ 1920x1200
- HDCP/ none HDCP signals
- 2ch LPCM for audio test
- 13 test patterns with 3D
- Capable of reading source and sink EDID
- Basic HDMI cable test
AT-UHD-SYNC Recap

- USB-powered 4K HDMI Emulator
- Testing device
  - 5V
  - HPD
  - HDCP
- 5V HPD emulator
- EDID emulator
- Fixes clock-stretching and Color space issue
# LED lights Activity Table

<table>
<thead>
<tr>
<th>HDCP</th>
<th>Source Compliant</th>
<th>Display Compliant</th>
<th>Source NonCompliant</th>
<th>Display NonCompliant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid Green LED</td>
<td>checked</td>
<td>checked</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid Red LED</td>
<td>checked</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blinking Green LED</td>
<td></td>
<td>checked</td>
<td>checked</td>
<td></td>
</tr>
<tr>
<td>Blinking Red LED</td>
<td>checked</td>
<td></td>
<td>checked</td>
<td></td>
</tr>
</tbody>
</table>

**Example:** Blu-ray protected content will not pass to a non compliant display.

<table>
<thead>
<tr>
<th>No illumination</th>
<th>Solid Red</th>
<th>Solid Green</th>
</tr>
</thead>
<tbody>
<tr>
<td>5V LED</td>
<td>Defective cable or source not detected</td>
<td>Signal error from source</td>
</tr>
<tr>
<td>Hot Plug Detect LED</td>
<td>Defective cable or display not detected</td>
<td>Signal error from display</td>
</tr>
</tbody>
</table>

**Note:** If there is no 5V or hot plug signal, the UHD-SYNC will insert an emulated 5V or HP signal.
# Extenders

<table>
<thead>
<tr>
<th>Product</th>
<th>AT-UHD-EX-70C-RX</th>
<th>AT-UHD-EX-100CE-RX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>HDMI</td>
<td>HDMI</td>
</tr>
<tr>
<td>Range</td>
<td>230ft</td>
<td>328ft</td>
</tr>
<tr>
<td>Chipset</td>
<td>HDBaseT</td>
<td>HDBaseT</td>
</tr>
<tr>
<td>Locking Connector</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>PoE</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Maximum Resolution</td>
<td>4K/UHD</td>
<td>4K/UHD</td>
</tr>
<tr>
<td>Bi-Directional IR</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Bi-Directional RS232</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Bi-Directional IP</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Field updatable firmware</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Product</td>
<td>AT-UHD-PRO3-44M</td>
<td>AT-UHD-PRO3-66M</td>
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<td><strong>Maximum Resolution</strong></td>
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<td>4K/UHD</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>HDBaseT</td>
<td>HDBaseT</td>
</tr>
<tr>
<td><strong>Matrixed HDMI Out</strong></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td><strong>Inputs/Outputs</strong></td>
<td>4:4</td>
<td>6:6</td>
</tr>
<tr>
<td><strong>PoE</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Control Options</strong></td>
<td>Front Panel, IR, RS232, TCP/IP</td>
<td>Front Panel, IR, RS232, TCP/IP</td>
</tr>
<tr>
<td><strong>Audio De-Embedding</strong></td>
<td>Yes (Captive Screw) Volume, Mute, 5-band EQ</td>
<td>Yes (Captive Screw) Volume, Mute, 5-band EQ</td>
</tr>
<tr>
<td><strong>Bi-Directional IR</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Bi-Directional RS232</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Bi-Directional IP</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>