Safety Notice:
1. Do not hot plug when it is working.
2. Use DC 12V power supply only. Make sure specification matched if using adapters not supplied by factory.

Introduction
This is a HDbitT HDMI 2×2 configuration video wall controller, with 1 HDbitT input (RJ45 port), and 4 HDMI outputs. It is based on advanced HDbitT technology, by working together with a HDbitT transmitter, easy to divide and extend the input video to four same size displays, and the extension distance is up to 120 meters via CAT6. The supported resolution is up to full HD 1080p@60Hz.

Features
2. Extend HDMI signal up to 120 via CAT6 by working together with a HDbitT transmitter.
3. With 4 HDMI outputs, divides the input video into four ports and extend to four same size displays.
4. Resolution supported is up to 1080p@60Hz.
5. Support video wall screen mode and clone screen mode.
6. With 3.5mm audio output port, access to audio equipment easily.
7. Plug and play.
8. Wall-mountable design, convenient for installation.

Package contents
- Video wall controller unit ×1pcs
- Power adapter (12V2A) ×1pcs
- User manual ×1pcs
- 3.5mm jack audio cables ×1pcs
- Panel description
  1. Front panel:
     ① Power indicator
     ② Data transmission indicator
     ③ Connection indicator
     ④ Reset button
     ⑤ Mode button

Installation requirements
1. Source device:
   Source device with HDMI output, such as set-top boxes, computers, video recorders, etc.
2. Transmitter unit:
   Transmitter unit that compliant to HDbitT transport protocol
3. Display device:
   Display device with HDMI input, such as television, projector, HD display, etc.
4. UTP/STP cat5/5e/6 cable, follow standard IEEE-568B
   Network cable length support between every connection:
   CAT5 80m
   CAT5e 100m
   CAT6 120m.

Connection and Operation
1. Network cable
   Follow the standard of IEEE-568B:
   1- Orange/white  2- Orange  3- Green/white
   4- Blue  5- Blue/white  6- Green
   7- Brown/white  8- Brown
2. Connection drawing
3. Connection instruction
1) Connect source device and HDbitT transmitter via HDMI cable
2) Connect HDbitT transmitter and this video wall controller unit via network cable under stander IEEE-568B
3) Connect video wall controller unit and four equally sized displays via HDMI cable
4) Connect power supplies of all devices, and video wall controller works

4. Display Modes

<table>
<thead>
<tr>
<th></th>
<th>Video Wall Screen Mode</th>
<th>Clone Screen Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display 1</td>
<td>Display 2</td>
<td>Display 3</td>
</tr>
<tr>
<td>Display 4</td>
<td></td>
<td>Display 4</td>
</tr>
</tbody>
</table>

• FAQ

Q: Black screen or there is no any signal on HD displays?
A: 1) Please check the input resolution of source device, and make sure the resolution can be supported by this video wall controller and your HD display
2) Please check and make sure all the cables (HDMI cable, network cable) are connected well.
Q: Display not fluent or stable?
A: 1) Press “RESET” button of the transmitter or this video wall controller, reset and reconnect.

2) Use another cables to see if the device works well or not, and make sure the cable is no longer than the distance supported (CAT5-80m, CAT5E-100m, CAT6-120m, HDMI cable :1 to 5 meters).

• Specification

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>HDMI signal</td>
<td>HDMI1.3, Full compatible with HDCP1.2</td>
</tr>
<tr>
<td>Input port</td>
<td>RJ45</td>
</tr>
<tr>
<td>Output port</td>
<td>HDMI typeA (Female)</td>
</tr>
<tr>
<td>Transfer protocol</td>
<td>HDbitT</td>
</tr>
<tr>
<td>HDMI resolution</td>
<td>480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50Hz, 1080i@50Hz, 1080p@50Hz</td>
</tr>
<tr>
<td>Transmission</td>
<td>Up to 120 meters transmission distance for 1080p@60Hz</td>
</tr>
<tr>
<td>distance</td>
<td>Full HD over single CAT6</td>
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<tr>
<td>Transmission rate</td>
<td>18Mbps</td>
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<tr>
<td>Video bandwidth</td>
<td>225Mpixels/s</td>
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<td>Working temperature</td>
<td>0-60°C</td>
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<tr>
<td>Power supply</td>
<td>12V /2A</td>
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<tr>
<td>Power consumption</td>
<td>&lt;18W</td>
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<tr>
<td>Product dimension</td>
<td>228x125.4x25mm</td>
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<tr>
<td>Weight</td>
<td>0.65Kg</td>
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<tr>
<td>Color</td>
<td>Black</td>
</tr>
</tbody>
</table>

Disclaimer

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