BG-UDAIC-E18

1x8 HDMI Splitter with Extender

User Manual

1. Transmission distance up to 70 meters by using Cat6/6A/7
2. Support up to 4K@60Hz
3. Split and extend 1 HDMI input signal to 8 HDMI outputs.
4. Make sure the specification matched if using 3rd party DC adapters.
5. Do not expose this device to rain, moisture and liquid.
6. Do not disassemble or repair this device without qualified service technician.
7. Take care for the specific wire-controlled flying header DVI adapters.

Introduction
The BG-UDAIC E18 is an extender split kit that transmits 1 HDMI input to 8 HDMI outputs and extends IR signals up to 70 meters, The kit includes a receiver up to 48MHz for dual infrared (IR) and BZBGear control.

Features
1. HDMI 2.0a compliant
2. Support extended EDID input to 8 HDMI outputs.
3. Transmission distance up to 70 meters by using Cat6/6A/7 cables.
4. Support to be made selectable.
5. The transmitter supports HDMI loop out.
6. The receiver can output the digital audio of TV or source device from the HDMI port.
7. Supports HDMI pass-through in normally off state of the IR320 function.
8. Supports RS-232 protocol in normally on state of the IR320 protocol.
9. Supports IR320 protocol normally off state of the IR320 protocol.
10. Supports RS-232 protocol normally on state of the IR320 protocol.
11. Supports protocol (IR320 protocol in normally off state of the IR320 protocol).
12. Supports protocol normally on state of the IR320 protocol.

Installation Requirements
1. HDMI source device (PC, DVD, game console, etc.)
2. HDMI display device (TV, monitor, projector, etc.)
3. UTP/STP CAT5E/6A/7 cable: Follow standard IEEE-802.3.
   It is recommended to choose high-quality extension cables.

Package Contents
1 x HDMI Switcher with IR TX/Cables
1 x Extended IR RX/Cables
1 x IR Receiver extension cables
1 x Mounting brackets

Panel Description

Transmission (TX)

Power indicator: The indicator will turn blue when the power is turned on.
EDID switch: Set output resolution through EDID switch
IR out: Connects to RX receiver extension cables
IR in: Connects to RX receiver extension cables
RS-232 port: Connects to the external device to control the transmitter.
Power: Connects to the 12VDC/2A power adapter

Receiver (RX)

Reset button: Reset the device
Audio switch: Choose the source device
Input switch: Choose the source device
Network switch: Select the type of network cable
Power switch: Switch off/on
EDID switch: Choose the IR320 protocol extension cables
IR in: Connects to IR320 protocol extension cables

Installation Procedures
1. Network cable
2. Orange/white
3. Orange
4. Green/white
5. Blue
6. Blue/white
7. Brown
8. Brown

Installation:
Follow the standard of IEEE-802.3

Connections:
1. Orange/white
2. Orange
3. Green/white
4. Blue
5. Blue/white
6. Brown
7. Brown

Connections:
1. Orange/white
2. Orange
3. Green/white
4. Blue
5. Blue/white
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Connections:
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Connections:
1. Orange/white
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Technical Support: support@bzbgear.com or chat at techsupport.bzbgear.com. If you still need answers, please call 1.888.499.9906.

Before contacting tech support, we may have answered your question here you will find our Knowledge Base (bzbgear.com/knowledge-base) containing valuable information on our products.

For an extended two-year warranty on our Cameras, follow these steps:

1. Connect the source device to the HDMI IN port of the transmitter.
2. Connect the CAT6 OUT ports of the transmitter to the CAT6 IN port of the receiver.
3. Connect the IR blaster extension cable to an external device.
4. If using HDMI loop out, connect the LOOP OUT port of the transmitter to the display through an HDMI cable.
5. If using the RS-232 control, connect the RS-232 port of the transmitter to an external device.
6. If the IR IN port of the transmitter or receivers.

Please make sure that the corresponding network port output is not turned off by the RS-232 command.

1. HDMI IN port
2. HDMI OUT port
3. HDMI EXT port
4. Audio EXT IN 1/2
5. Audio EXT OUT 1/2
6. IR IN port
7. IR OUT port
8. RS-232 port

Function setting 1: HDMI2 settings

For the initial configuration is as follows:

- HDMI2 resolution: 1920x1080
- HDMI format: Full HD
- HDMI mode: Auto
- Audio mode: HDMI
- RS-232 control: Disabled
- Auto output: On
- RS-232 baud rate: 9600

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI2 resolution</td>
<td>1920x1080</td>
</tr>
<tr>
<td>HDMI format</td>
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</tr>
<tr>
<td>HDMI mode</td>
<td>Auto</td>
</tr>
<tr>
<td>Audio mode</td>
<td>HDMI</td>
</tr>
<tr>
<td>RS-232 control</td>
<td>Disabled</td>
</tr>
<tr>
<td>Auto output</td>
<td>On</td>
</tr>
<tr>
<td>RS-232 baud rate</td>
<td>9600</td>
</tr>
</tbody>
</table>

Specifications

- HDMI resolution: 1080p@60Hz, 1080i@50/60Hz, 4K@30Hz, 4K@60Hz
- HDMI formats: 4K@30Hz, 4K@60Hz, HDR
- HDMI mode: Auto
- Audio mode: HDMI
- RS-232 control: Disabled
- Auto output: On
- RS-232 baud rate: 9600

FAQ

1. Why does my display device have no image?
   - Please check the power supply and all the cables are well connected.

2. Why does my display device not have an image?
   - 1) Please check whether there is an HDMI signal input.
   - 2) Please make sure that the corresponding network port output is not turned off by the RS-232 command.
   - 3) Please make sure that the corresponding network port output is not turned off by the RS-232 command.

3. Why is the output image unstable?
   - 1) Please check whether there is an HDMI signal input.
   - 2) Please make sure that the corresponding network port output is not turned off by the RS-232 command.
   - 3) Please make sure that the corresponding network port output is not turned off by the RS-232 command.

4. Why is the output image unstable?
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   - 2) Please make sure that the corresponding network port output is not turned off by the RS-232 command.
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- Technical Parameters

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- Warranty

PRODUCTS: The product warranty is for one year from the date of purchase by the end user, in the normal and proper use. The warranty period starts from the date of purchase by the end user, in the normal and proper use.

- Receiving after purchase: Please check the product, all manual and product accessories, including manual and product description.

- Tech support: Support@bzbgear.com or chat at techsupport.bzbgear.com. If you still need answers, please call 1.888.499.9906.

- Function setting 1: HDMI2 settings

- Parameter Description

  - Control command: ES 08 On 【Enter】
  - Function description: Turn on the network signal output port(s), choose from "01" to "08" (the network signal output ports)
  - Return values: ES 08 On OK or FAIL

- Parameter Description

  - Control command: Baud XX 【Enter】
  - Function description: Set the baud rate value: 9600 (default), 19200, 38400, 57600, 115200
  - return values: Baud XX OK or FAIL

- Parameter Description

  - Control command: Recover【Enter】
  - Function description: Recover successful or failed
  - return values: Recover OK or FAIL