

# VOPEX-C64K10GB-4HDBT

4-Port 4K HDMI HDBase-T Splitter/Extender

## Instruction Manual



**ST-C64K10GB-R-HDBT**  
Receiver (Sold separately)

## Operating Instructions

**Dear Customer**

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

**Features**

- Incorporates HDBaseT technology
- Distribute 1 Ultra HD HDMI signal to 4 identical HDBaseT outputs, with 1x loop HDMI output
- Transmitter Distance up to 100m under 1080p, 70m under 4K
- HDCP 2.2/1.4 compliant
- Support resolution to 4K@60Hz, YUV 4:2:0, VESA resolution up to 1920x1200
- Support Dolby TrueHD, DTS-HD Master Audio
- With wide-band Bi-Directional IR control (38 ~ 56 kHz)  
(IR extension from Sender to Receiver or from Receiver to Sender)
- HDBaseT output 1 supports RS232 and Ethernet pass through
- Support 3D
- Support POC (Receiver powered by HDBaseT Splitter)
- DC 12V power supply

**NOTICE**

Our company reserve the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

## TABLE OF CONTENTS

Package Contents

Specifications

Dimensional drawing

Panel Descriptions

Connecting and Operating

Applications

### Packing contents

- 1) Main Unit: 1x4 HDBaseT Splitter
- 2) 2x Power supply DC 12V
- 3) 4x IR-TX cable
- 4) 4x IR-RX cable
- 5) 1x Phoenix plugs for RS232 cable termination
- 6) 4x screws
- 7) 2x detachable mounting ears
- 8) Operating Instruction manual

### Specifications

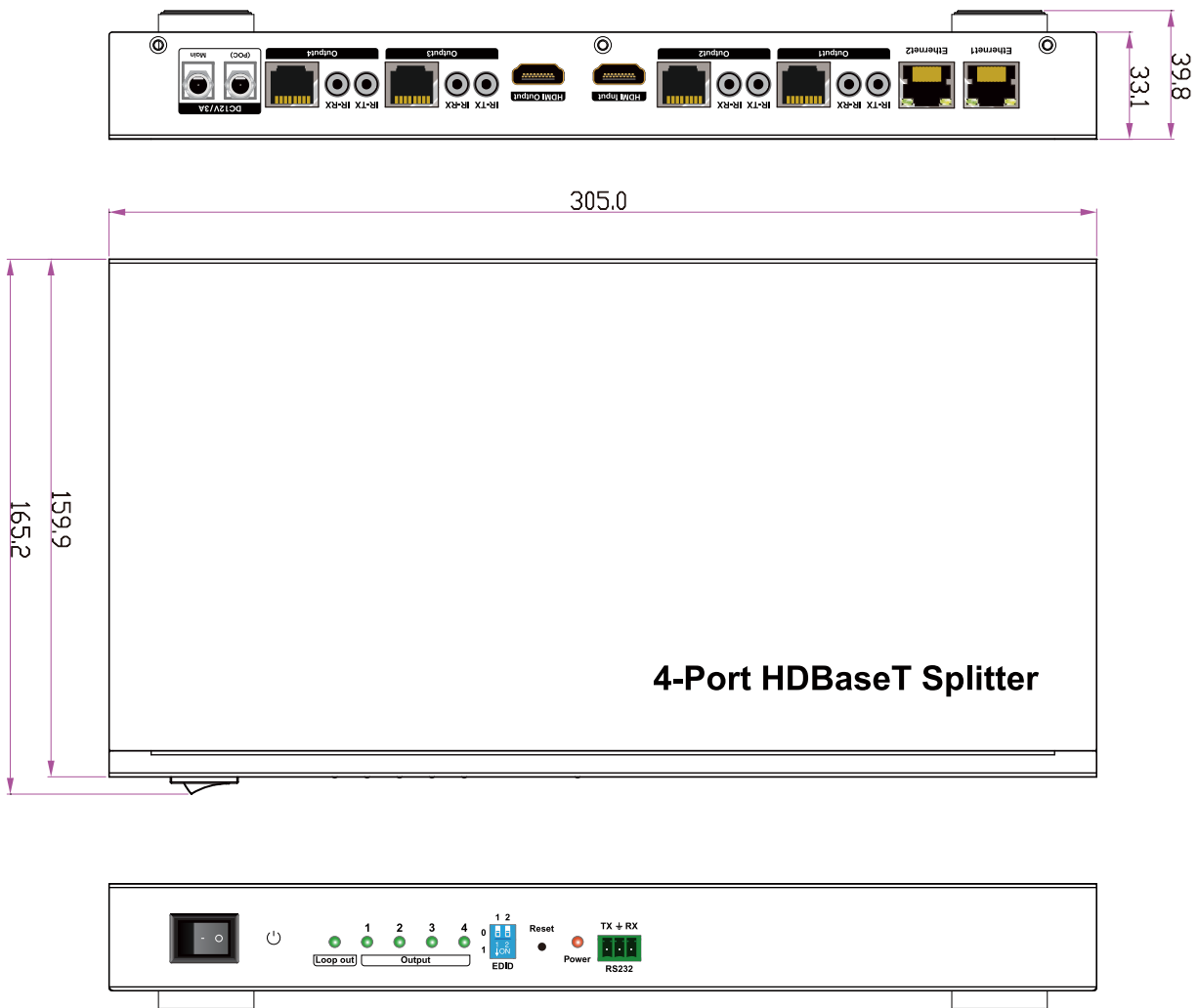
|                             |   |
|-----------------------------|---|
| Operating Temperature Range | -5 to +35°C(+23° to +95°F)  |
| Operating Humidity Range    | 5 to 90%RH (No Condensation)  |
| Video Bandwidth             | 10.2Gbps  |
| Video Format Supported      | Resolutions up to 4K@60Hz, YUV 4:2:0<br>VESA resolution <sup>①</sup>  |
| Connectors                  | 1x HDMI input<br>1x HDMI loop output<br>4x RJ45 output<br>2x Power DC receptacle<br>1x Phoenix RS232 port<br>2x Ethernet port |
| Transmission Distance       | 100m(1080P), 70m(4K)  |
| Power supply                | 110-240V/ 12V DC power supply   |
| Power Consumption           | 15Watts   |
| Dimensions                  | L305xW165.2xH39.8mm   |
| Weight                      | 1425g   |

Note: Specifications are subject to change without notice. Mass and dimensions are approximate.

① VESA Resolution

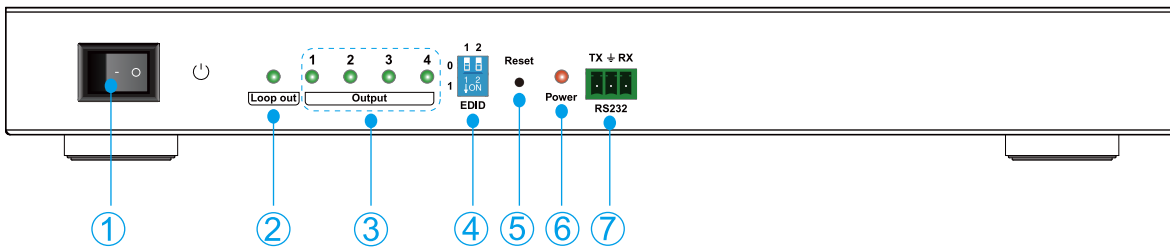
| Refresh rate | VESA Resolution |
|--------------|-----------------|
| 59.94Hz      | 640x480         |
| 60Hz         | 640x480         |
|              | 800x600         |
|              | 1024x768        |
|              | 1280x768        |
|              | 1280x960        |
|              | 1280x1024       |
|              | 1680x1050       |
|              | 1920x1080       |
|              | 1280x720        |
|              | 1360x768        |
|              | 1400x1050       |
|              | 1920x1200       |

Dimensional drawing



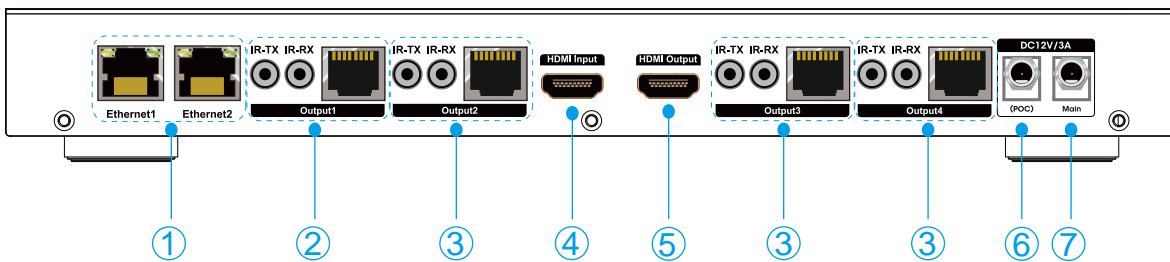
Panel Descriptions

Front Panel



- ① Power ON/OFF
- ② Indicator of Loop out
- ③ Indicator of out
- ④ DIP switch for EDID setting<sup>①</sup>
- ⑤ Reset button
- ⑥ Indicator of Power
- ⑦ RS232 port

Rear Panel



- ① Ethernet port
- ② Output1 port (Ethernet, RS232 pass-through)
- ③ Output2,3&4 port
- ④ HDMI Input port
- ⑤ HDMI Output port
- ⑥ POC port
- ⑦ Main power

Note: ① EDID

|     |                                 |
|-----|---------------------------------|
| 0 0 | 1080P@60Hz、 2CH                 |
| 0 1 | 4K@60Hz、 YCBCR420、 3D、 DOLBY5.1 |
| 1 0 | 1080P@24Hz、 3D、 DOLBY5.1        |
| 1 1 | 4K@30Hz、 2CH                    |

**Please restart the splitter after changing EDID mode!**

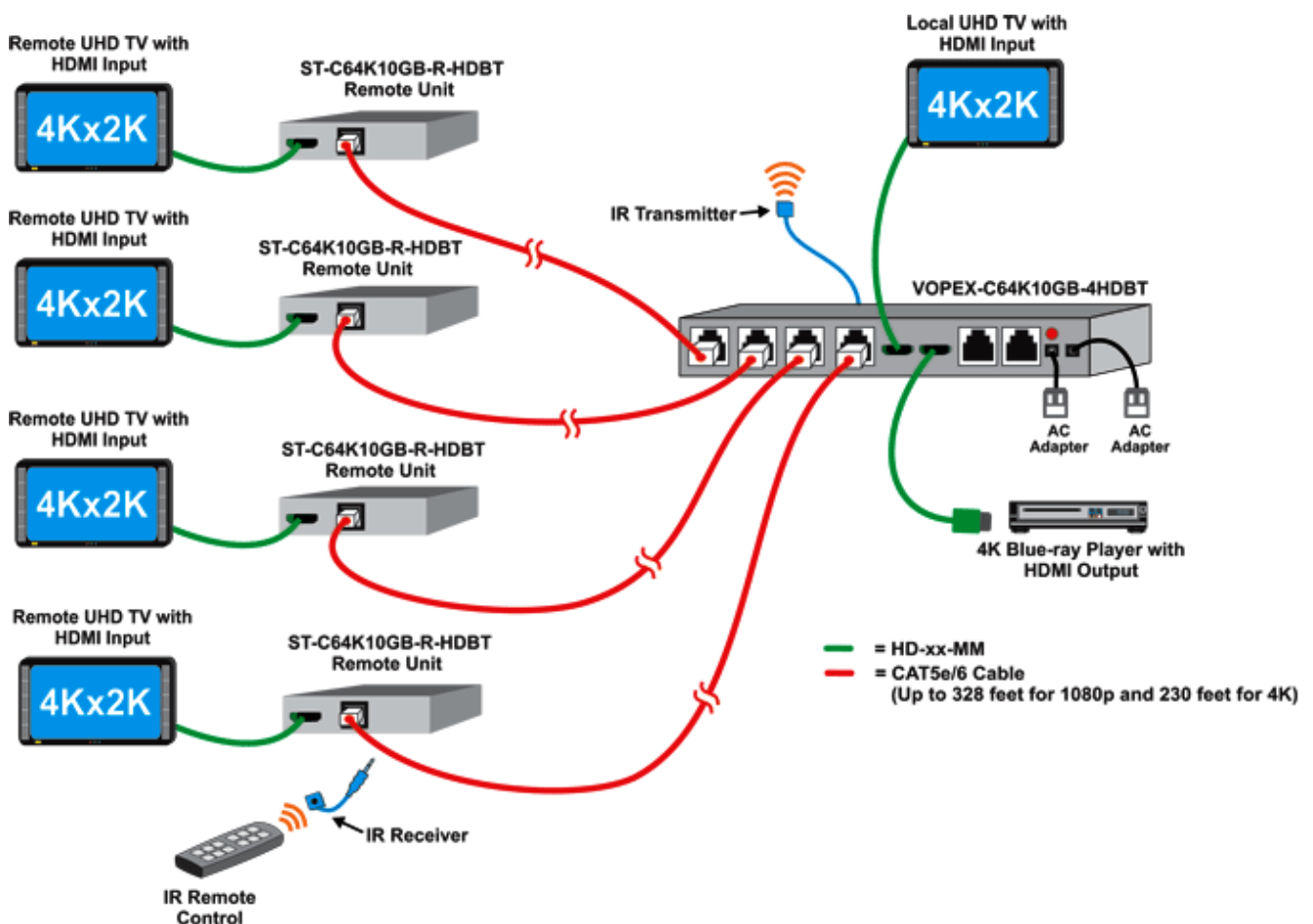
Connecting and operating

- 1) Connect the HDMI input source into HDBaseT splitter.
- 2) Connect HDBaseT splitter and ST-C64K10GB-R-HDBT Receivers (up to 4) over Cat6 cable. The Cat6 cable must follow EIA-TIA 568b standards.
- 3) Connect the HDMI output of **each** Receiver to **an** HDMI Display.

- 4) Connect 4pcs IR TX cables to the IR-TX sockets on the splitter and connect 4pcs IR RX cables to the IR-RX sockets on the splitter.
  - 5) Connect IR RX cable to IR-In port of Receiver, connect IR TX cable in to IR-Out port of Receiver.
  - 6) Power up all units, the splitter,Receiver, sources and displays.
  - 7) **Alternatively, to use the Ethernet-based features, connect as follows:**
    - 1.Connect Ethernet cable into ethernet port on HDBaseT splitter.
    - 2.Connect Ethernet cable **between Output 1 and an Ethernet extender receiver and Smart TV.**
- Note:1.The Ethernet function is designed for Ethernet-compatible receiver units only.  
 2.Only Output1 supports Ethernet function.
- 8) Copy EDID function  
 Copy the EDID of the sink which connected the loop HDMI.

### Applications

Commercial and residential AV systems,Classroom projector systems,digital signage, Boardroom systems,collaborative PC systems



# Operation Instruction

Application drawing showing connections using the Ethernet support option:

