

# USB-C To HDMI HDBaseT Extender 70M With USB2.0 User Operation Guide



HDBT-UUB11H-70M  
TX



HDBT-UUB11H-70M  
RX

Model:

**HDBT-UUB11H-70M**

rev.2024.03Mar.12

# User Operation Guide

## OVERVIEW

The ABtUS HDBT-UUB11H-70M is an USB-C To HDMI HDBaseT Extender which allows high definition video to be transmitted over distances of up to 40m at 4K@60Hz and 70m at 4K@30Hz via CAT6A cable.

The transmitter features one USB-C input and one HDBaseT 3.0 output. For the USB-C in, it provides an AV ideal interface for connecting to Macbook or other device with SlimPort output and there's also a additional USB-C power meant for connecting external power adaptor to charge USB C device connected to USB-C in.

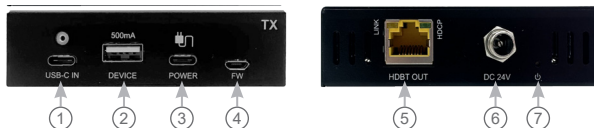
The receiver features one HDMI output, one HDBaseT 3.0 input and 4 USB 2.0 ports for connecting with KVM device such as camera, keyboard and mouse.

## PRODUCT FEATURES

- USB-C input supports 4K@60Hz 4:4:4.
- Supports to transmit up to 40m at 4K@60Hz and 70m at 4K@30Hz.
- Supports bi-direction 24V PoC power supply.
- TX supports USB-C charging port to charge input device
- 5 USB 2.0 ports for connecting with KVM device.
- Micro-USB for firmware upgrade.

## PANEL DESCRIPTIONS

### Transmitter Panel



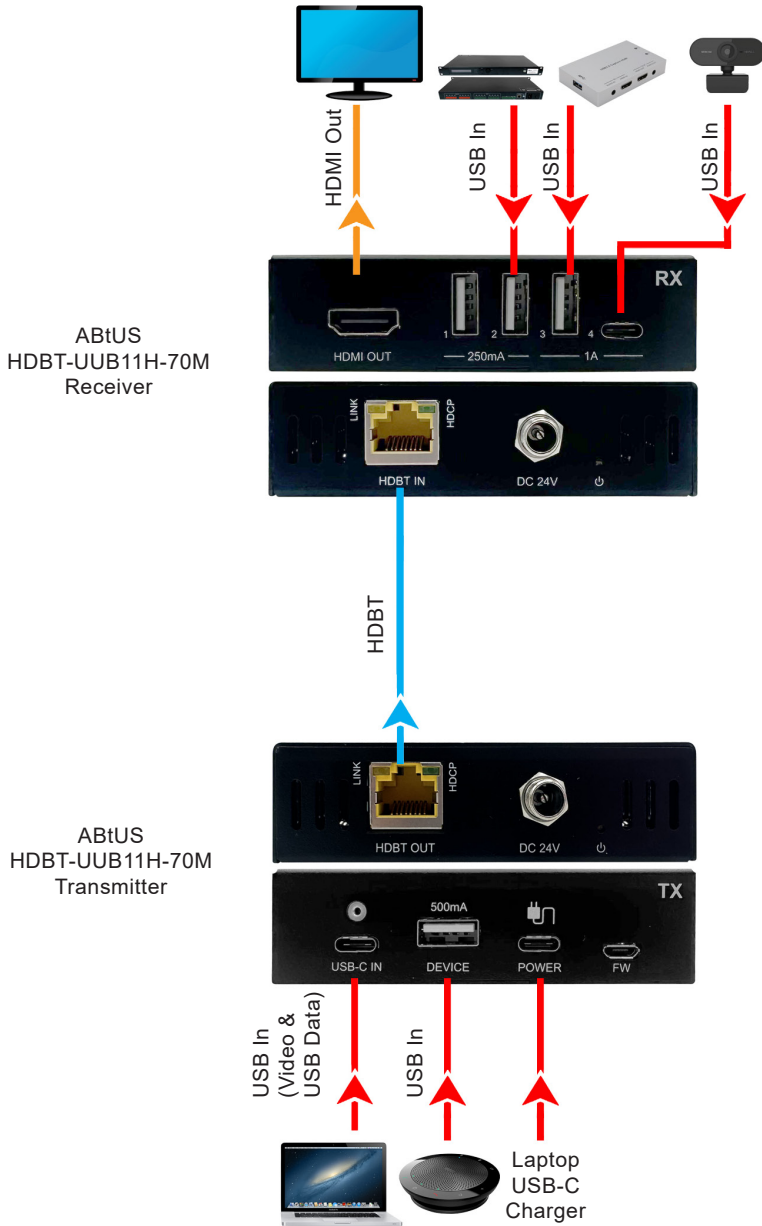
- 1) USB-C IN: Connects to the Macbook or other device with SlimPort output.
- 2) DEVICE: USB 2.0 Ports for connecting device
- 3) Power: Connects to adapter to charge the USB-C IN
- 4) FW: Micro-USB for firmware upgrade.
- 5) HDBT OUT: Connects to the HDBT IN port of the extender by a CAT6A cable.
- 6) DC 24V: DC connector for the power adapter connection.
- 7) POWER LED: The LED illuminates green when the power is connected.

### Receiver Panel



- 1) HDMI OUT: Connects to the HDMI display.
- 2) DEVICE: 4 USB 2.0 Ports for connecting KVM device.
- 3) HDBT IN: Connects to the HDBT OUT port of the extender by a CAT6A cable.
- 4) DC 24V: DC connector for the power adapter connection.
- 5) POWER LED: The LED illuminates green when the power is connected

DIAGRAM



ABtUS  
HDBT-UUB11H-70M  
Receiver

ABtUS  
HDBT-UUB11H-70M  
Transmitter

## TECHNICAL SPECIFICATIONS

	TX	RX
Input:	2 x USB-C IN [Type C]	1 x HDBaseT IN [RJ45]
Output:	1 x HDBaseT Out [RJ45]	1 x HDMI Out [Type A female HDMI]
Control:	1 x USB 2.0 [Type A 5V500mA] 1 x USB 2.0 [Type A 5V1A] 1 x USB 2.0 [Type C 5V1A]	2 x USB 2.0 [Type A 5V250mA]
Video Resolution:	Up to 4K@60Hz 4:4:4	Up to 4K@60Hz 4:4:4
HDCP Version:	Input: HDCP 2.2, HDCP 1.4 compliant Output:	

RX OUT TX IN	HDCP 2.2	HDCP 1.4	NO HDCP
HDCP 2.2	HDCP 2.2	NO HDCP	NO HDCP
HDCP 1.4	HDCP 2.2	HDCP 1.4	NO HDCP
NO HDCP	NO HDCP	NO HDCP	NO HDCP

PoC:	Supported bi-directional 24V PoC	
HDMI V2.0 Cable Length:	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 10m, 1080P ≤ 15m	
Transmission Distance:	4K@60 4:4:4 ≤ 40m; 4K@30 4:4:4 ≤ 70m	
Operation Temperature:	-5 to +55 °C (+23° to +131°F)	
Storage Temperature:	-25 to +70°C(-13° to +158°F)	
Relative Humidity:	10% to 90%, Non-condensing	
Power Supply:	24V DC 1.25A	
Power Consumption:	30W	
Dimension(W*D*H):	90mm x 140mm x 24mm	90mm x 120mm x 24mm
Weight:	285g	250g