



A brand of  **legrand**®

Superbooster® 1-Port USB-C® over Cat6A Box to Wall Plate
Extender Kit - USB 3.2 Gen 1 (5 Gbps)

Model C2G54270

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SUPERBOOSTER® 1-PORT USB-C® OVER CAT6A BOX TO WALL PLATE EXTENDER KIT - USB 3.2 GEN 1 (5 GBPS)

FEATURES

- Extension of USB 3.2 Gen 1 data signals up to 100m/328ft over Cat6A cable
- Data transfer rates of up to 5 Gbps
- Backwards compatible with USB 2.0 and 1.1
- Hardware acceleration for isochronous and bulk transfer
- Plug-and-play with no drivers, downloads, or software required
- Supports bi-directional 24V PoC (Power over Cable) allowing you to power from only one side
- The USB-C power supply supplies up to 5V/1500mA on the receiver end

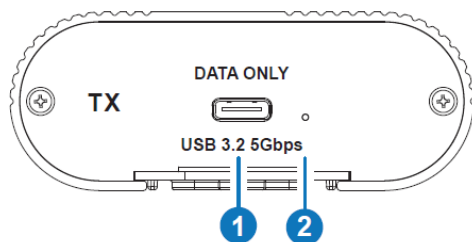
PACKAGE CONTENTS

- 1× USB 3.2 Gen 1 Extender Box (Transmitter)
- 1× USB 3.2 Gen 1 Extender Wall Plate (Receiver)
- 1x Face Plate Cover
- 1× 24V/1A Multinational Power Supply with Conversion Plug
- 1× 2pin-3.5mm Phoenix Connector (Male)
- 2× Machine Screw (6#-32*3/4)
- 1x Mounting Bracket
- Product Manual Insert Card

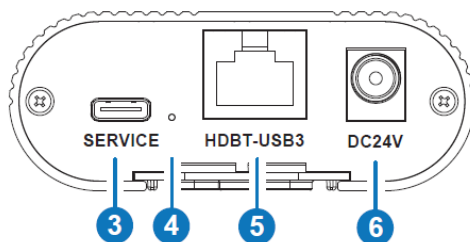
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PRODUCT OVERVIEW

TRANSMITTER



FRONT		DESCRIPTION
1	DATA ONLY	USB host port, supporting USB 3.2 Gen 1 data. Connects to a PC or host.
2	DATA LED	USB signal indicator. ▪ On: USB 3.0 signal is detected ▪ Blinking: USB 2.0 signal is detected ▪ Off: USB signal is not detected

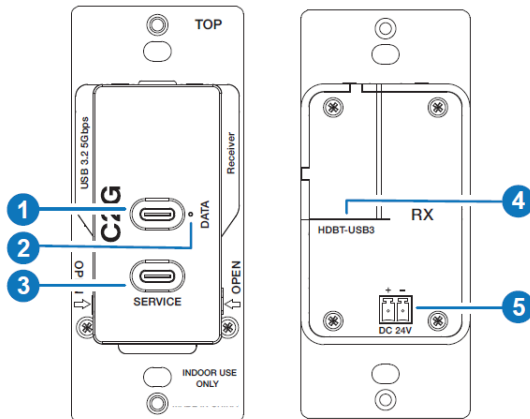


REAR		DESCRIPTION
3	SERVICE	Firmware Update Port. Supports USB 2.0 only.
4	LINK LED	Connection signal indicator. ▪ On: Transmitter and Receiver are connected and linked ▪ Blinking: Transmitter and Receiver link is off due to USB low power mode ▪ Off: Transmitter and Receiver are not connected
5	HDBT-USB3	Connects to the HDBT-USB3 port on the receiver with a Cat6A cable
6	DC 24V	DC 24V/1A power input

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PRODUCT OVERVIEW

RECEIVER

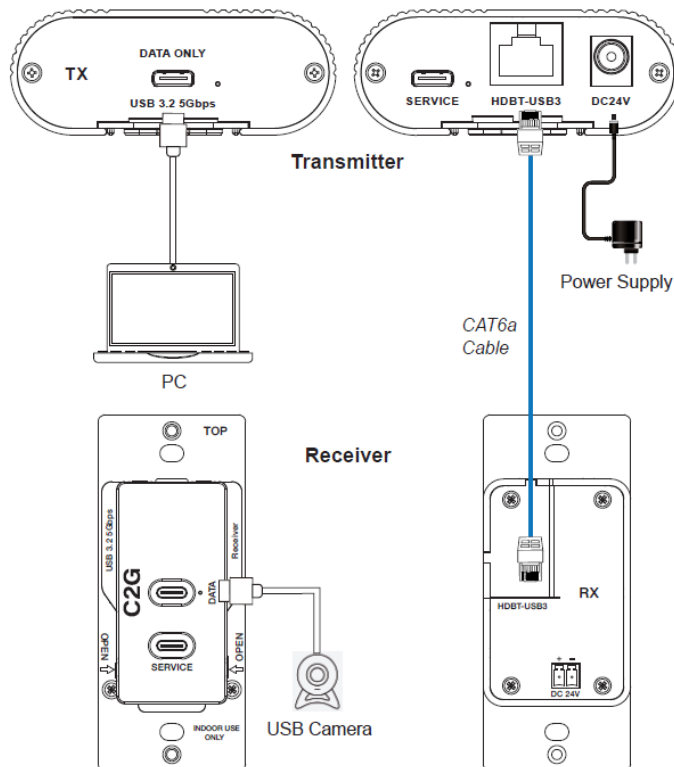


FRONT		DESCRIPTION
1	DATA	USB device port, supporting USB 3.2 Gen 1 data. Connects to a USB device such as a camera, hard drive, keyboard or mouse. Power output is up to 5V/1.5A.
2	DATA LED	USB signal indicator. • On: USB 3.0 signal is detected • Blinking: USB 2.0 signal is detected • Off: USB signal is not detected
3	SERVICE	Hidden under faceplate. Remove faceplate to expose port and perform firmware updates. Supports USB 2.0 only.

REAR		DESCRIPTION
4	HDBT-USB3	Connects to the HDBT-USB3 port on the transmitter with a Cat6A cable.
5	DC 24V	DC 24V/1A power input port.

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APPLICATION EXAMPLE



SUPERBOOSTER® 1-PORT USB-C® over CAT6A BOX TO WALL PLATE EXTENDER KIT - USB 3.2 GEN 1 (5 GBPS)

SPECIFICATIONS

Technical	
USB Protocol	USB 3.2 Gen 1
Transmission Rate	Up to 5 Gbps
Transmission Distance	USB cables: Up to 5ft from host to transmitter and 5ft from receiver to device Cat6A (F/FTP) cable: 328ft
ESD Protection	IEC 61000-4-2 ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connections	
Transmitter	Input: 1× DATA [USB-C Host, 24-pin female] Output: 1× HDBT-USB3 [RJ45 Connector, 24V PoC] Control: 1× SERVICE [USB-C, FW Update Port]
Receiver	Input: 1× HDBT-USB3 [RJ45 Connector, 24V PoC] Output: 1× DATA [USB-C Device, 24-pin female] Control: 1× SERVICE [USB-C, FW Update Port]

Mechanical	
Housing Material	Transmitter: Metal Receiver: Plastic front, metal rear
Color	Transmitter: Black Receiver: White front, grey rear
Dimensions	Transmitter: 2.87 in [W] × 3.27 in [D] × 1.10 in [H] Receiver: 1.73 in [W] × 1.51 in [D] × 4.19 in [H]
Weight	Transmitter: .25 lbs/ Receiver: .29 lbs
Power Supply	Input: AC 100 to 240V 50/60Hz Output: DC 24V/1A
Power Consumption	PoC Power Supply: 13.2W (Max)
Operating Temperature	0°C to 40°C / 32°F to 104°F
Storage Temperature	-20°C to 60°C / -4°F to 140°F
Relative Humidity	10 to 90% RH (non-condensing)

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IMPORTANT SAFETY INFORMATION

Do not plug the unit in any outlet that does not have enough current to allow the device to function. Refer to the specifications in this manual for power level of the unit.

Liquid: If this unit or it's corresponding power adapter has had liquid spilled on or in it, do not attempt to use the unit. Do not attempt to use this product in an outdoor environment as elements such as rain, snow, hail, etc. can damage the product.

In case of a storm, it is recommended that you unplug this device from the outlet. It is also recommended that you use a surge protector.

Avoid placing this product next to objects that produce heat such as portable heaters, space heaters, or heating ducts.

THERE ARE NO USER SERVICEABLE PARTS. Do not attempt to open this product and expose the internal circuitry. If you feel that the product is defective, unplug the unit and refer to the warranty information section of this manual.

C2G WARRANTY

At C2G we want you to be totally confident in your purchase. That is why we offer a warranty on this device. If you experience problems due to workmanship or material defect for the duration of this warranty, we will repair or replace this device.

To request a Return Merchandise Authorization (RMA) number, contact customer service at 866.977.3901 or legrandav.com

FCC Statement

Note: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Statement - §15.105(b):

"This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution - §15.21:

"Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment."



C2G®

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