



## StarTech C2-ETHERNET-EXTENDER 10-100 Base TX Ethernet Extender Kit User Guide

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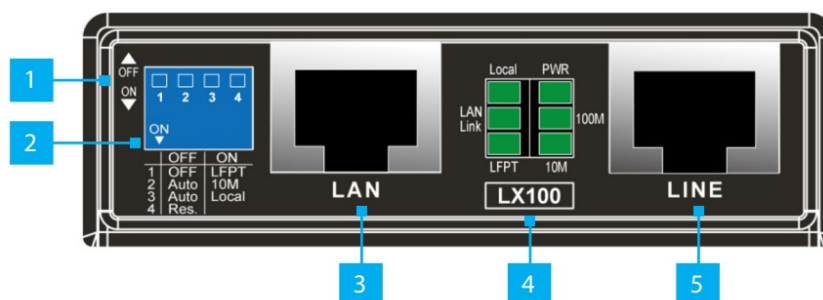
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## C2-ETHERNET-EXTENDER 10-100 Base TX Ethernet Extender Kit

10/100 Base-TX Ethernet Extender Kit – Extend up to 2,624ft (800m)

### Product ID

### C2-ETHERNET-EXTENDER Front View



\*Product may vary from image

Component		Function
1	ON/OFF Position	<ul style="list-style-type: none"> <li>• Sets a specified DIP Switch ON or OFF</li> </ul>
2	DIP Switches	<ul style="list-style-type: none"> <li>• Select the desired change for (1) Link Fault Pass-Through (LFPT), (2) Link Speed, or (3) Local/Remote mode</li> <li><b>Note:</b> Keep the DIP Switch 4 in the OFF position at all times to prevent undesired behavior.</li> <li><b>LFPT Note:</b> If a link between two units is lost, one unit may continue to send packets assuming the link is up, potentially leading to data loss. LFPT minimizes this risk by forcing a link down state upon link failure.</li> </ul>
3	LAN Port	<ul style="list-style-type: none"> <li>• Connects the Local unit to the Local Network or Host Device/Computer via RJ45 UTP Cable</li> <li>• Connects the Remote unit to a Remote Network or IP-Based Device via RJ45 UTP Cable</li> </ul>
4	LED Indicators	<ul style="list-style-type: none"> <li>• Indicate the status of Local/Remote, Power, Link Status, Link Speed, and LFPT</li> </ul>
5	LINE Port	<ul style="list-style-type: none"> <li>• Connects the Local and Remote units to each other using RJ45 or RJ11UTP Cable</li> </ul>
6	DC Power Port (At the Back)	<ul style="list-style-type: none"> <li>• Connect to a Power Source using the included Power Adapter</li> <li>• Recommended 12V and 1A</li> <li>• Type M barrel plug: Ø 5.5×2.1×9.5mm</li> </ul>

## LED Indicators

LED	Color	ON	OFF
Local	Green	Local Mode is ON	Auto Mode
PWR	Green	Unit is receiving power	Unit is not receiving power
LAN Link	Green	LAN Link Up	LAN Link is Down
100M	Green	Local to Remote Link is operating at 100Mbps	Local to Remote unit Link is operating at 10Mbps or is Down
LFPT	Green	LFPT function is ON, and a LAN Link Fault has occurred	LFPT function is OFF or LFPT function is ON, and no LAN Link Fault has occurred
10M	Green	Local to Remote Link is operating at 10Mbps	Local to Remote unit Link is operating at 100Mbps or is Down

## Package Contents

- Ethernet Extender x 2
- Power Adapter x 2
- Mounting Bracket x 2
- Mounting Screws x 4
- Quick-Start Guide x 1

## Requirements

For the latest requirements, please visit [www.startech.com/C2-ETHERNET-EXTENDER](http://www.startech.com/C2-ETHERNET-EXTENDER)

- RJ45 terminated UTP/STP Cat5e (or better) Ethernet cable (sold separately)
- Phillips head screwdriver

## Installation

### Extension Distance and Link Speed

Extension Distance ft (m)	Cat5e or Cat6 UTP Link speed (Mbps)	
	2 Pairs	1 Pair
328ft (100m)	100Mbps	100Mbps
656.1ft (200m)	100Mbps	100Mbps
984.2ft (300m)	100Mbps	100Mbps
1312.3 (400m)	100Mbps	10Mbps
1640.4 (500m)	100Mbps	10Mbps
2296.5ft (600m)	100Mbps	10Mbps
2296.5ft (700m)	10Mbps	10Mbps
2624.6ft (800m)	10Mbps	10Mbps

**Note:** Either Unit can be the Local or Remote Unit.

If the Link Speed is set to 10Mbps it will limit the speed regardless of distance and number of pairs in the UTP Cable used.

### DIP Switches

DIP Switch	ON	OFF
1 – LFPT	When the Remote Unit's Network Link is Down the Network Link of the Local unit will be Forced Down	Disables LFPT
2 – Link Speed	Forces the Link Speed to 10Mbps	Auto-selects the Link Speed between 10 or 100Mbps depending on the Extension Distance and number of Pairs of UTP Cable used
3 – Local/Remote	Forces either of the units to Local Mode <i>Note: Only one unit must be set to Local mode</i>	Auto-selects the Local and Remote unit (factory default)
4 – No Function	–	Leave Permanently OFF to connect the DIP Switch to ground

**Note:** If the DIP Switches need to be adjusted after the initial setup, both units must be Powered Off before changing the DIP Switch settings.

## Install the Ethernet Extender Kit

1. Adjust the DIP Switches according to the needs of the setup.
2. Position the units in each of the deployment locations, Local and Remote.
3. Plug in an RJ45 Patch Cable from the LAN Port on the Local Extender unit to an Ethernet Port on a Local Network or a Host Device/Computer.
4. Plug in an RJ45 Patch Cable from the LAN Port on the Remote Extender unit to an Ethernet Port on a Remote Network or IP-Based Device.
5. Plug in a terminated RJ45 or RJ11 UTP Cable from the Line Port on the Local Extender unit to the Line Port on the Remote Extender unit.
6. Connect the included Power Adapter to the DC Power Port on the Local and Remote units.

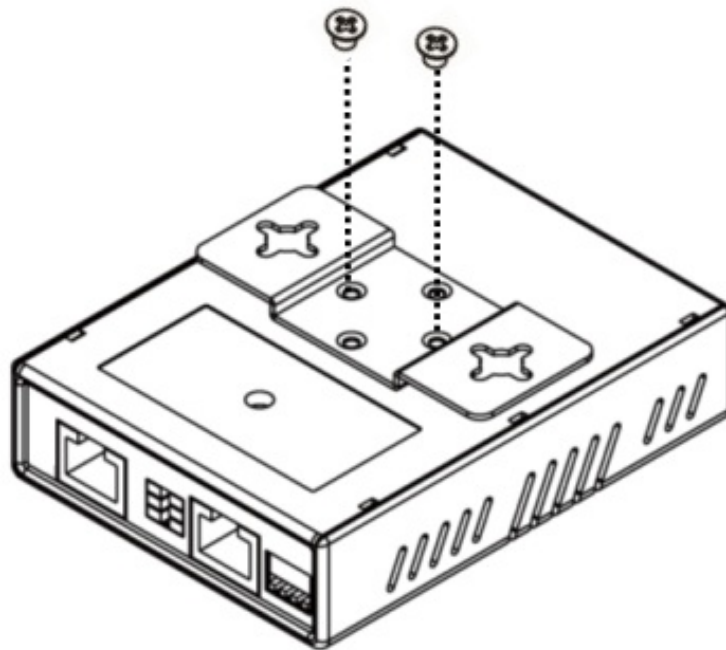
## Mounting the Local and Remote Units

### Warning!

The mounting hardware included with this product may not be adequate for some wall structures. If lacking the necessary expertise to wall mount this product, contact a construction professional to install the mounting hardware or to provide specific mounting instructions for the wall structure.

Note: Use one of the Wall Mount Brackets as a template to mark the Holes to be drilled on the Wall or Mounting Surface.

1. Align the holes in the Wall Mount Brackets with the holes on the Bottom of the Local or Remote units.
2. Insert the Mounting Screws (x 2) through the Wall Mount Bracket and into the Local or Remote unit. (Figure 1)



*Figure 1*

3. Tighten the Mounting Screws using a Phillips Head Screwdriver.
4. Use the Key Holes (x 2) on the Wall Mount Brackets to attach the Local or Remote unit to the Screws (x 2) on the Wall or Mounting Surface.
5. Repeat Steps 1 to 4 with the remaining unit.

## FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part

15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

#### **Industry Canada (IC) Statement**

This Class A digital apparatus complies with Canadian ICES-003.

#### **CAN ICES-3 (A)/NMB-3(A)**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

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#### **Warranty Information**

This product is backed by a 2-year warranty.

For further information on product warranty terms and conditions, please refer to [www.StarTech.com/warranty](http://www.StarTech.com/warranty).

#### **Limitation of Liability**

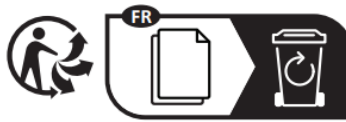
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#### **Safety Measures**

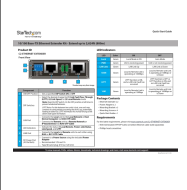
Do not touch the product under power if the product has an exposed printed circuit board or electrical wire.

**Warning:** please consult the online manual for detailed safety instructions.

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<a href="http://StarTech.com">StarTech.com</a> Ltd. Unit B, Pinnacle 15 Gowerton Road Brackmills, Northampton NN4 7BW United Kingdom	<a href="http://StarTech.com">StarTech.com</a> Ltd. Siriusdreef 17-27 2132 WT Hoofddorp The Netherlands



## Documents / Resources

	<p><a href="#">StarTech C2-ETHERNET-EXTENDER 10-100 Base TX Ethernet Extender Kit</a> [pdf] User Guide</p> <p>C2-ETHERNET-EXTENDER 10-100 Base TX Ethernet Extender Kit, C2-ETHERNET-EXTENDER, 10-100 Base TX Ethernet Extender Kit, Base TX Ethernet Extender Kit, TX Ethernet Extender Kit, Ethernet Extender Kit, Extender Kit, Kit</p>
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## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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