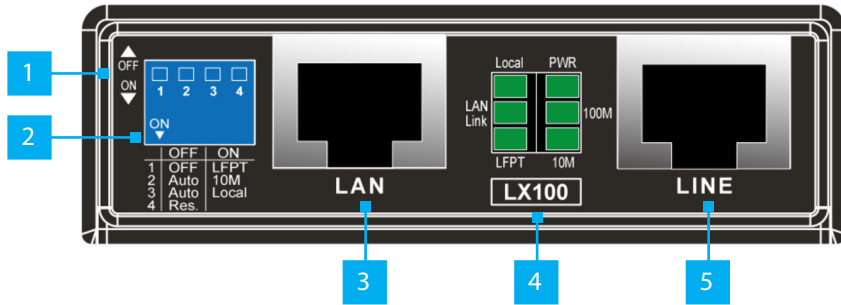


## 10/100 Base-TX Ethernet Extender Kit - Extend up to 2,624ft (800m)

### Product ID

C2-ETHERNET-EXTENDER

Front View



\*Product may vary from image

Component	Function
1	ON/OFF Position • Sets a specified <b>DIP Switch ON</b> or <b>OFF</b>
2	DIP Switches • Select the desired change for (1) <b>Link Fault Pass-Through (LFPT)</b> , (2) <b>Link Speed</b> , or (3) <b>Local/Remote</b> mode <i>Note: Keep the DIP Switch 4 in the OFF position at all times to prevent undesired behavior.</i> <i>LFPT Note: 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.</i>
3	LAN Port • Connects the <b>Local</b> unit to the <b>Local Network</b> or <b>Host Device/Computer</b> via <b>RJ45 UTP Cable</b> • Connects the <b>Remote</b> unit to a <b>Remote Network</b> or <b>IP-Based Device</b> via <b>RJ45 UTP Cable</b>
4	LED Indicators • Indicate the status of <b>Local/Remote</b> , <b>Power</b> , <b>Link Status</b> , <b>Link Speed</b> , and <b>LFPT</b>
5	LINE Port • Connects the <b>Local</b> and <b>Remote</b> units to each other using <b>RJ45</b> or <b>RJ11 UTP Cable</b>
6	DC Power Port (At the Back) • Connect to a <b>Power Source</b> using the included <b>Power Adapter</b> • Recommended 12V and 1A • Type M barrel plug: Ø 5.5x2.1x9.5mm

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

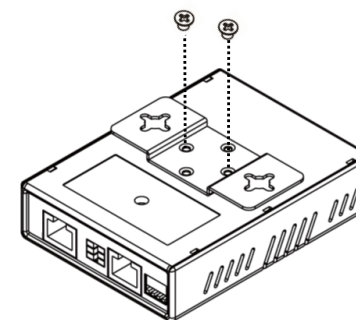


Figure 1

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.

Cet appareil numérique de la classe [A] est conforme à la norme NMB-003 du Canada.

## 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

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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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exceed the actual price paid for the product. Some States do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

## Safety Measures

**EN:** 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.

**NL:** Raak het product niet aan als het onder stroom staat en er een blootliggende printplaat of elektrische draad zichtbaar is.

Waarschuwing: raadpleeg de online handleiding voor gedetailleerde veiligheidsinstructies.

**FR:** Ne touchez pas le produit lorsqu'il est sous tension et qu'il dispose d'un circuit imprimé ou d'un fil électrique apparent.

Attention : veuillez consulter le manuel en ligne pour des instructions de sécurité détaillées.

**DE:** Berühren Sie das Produkt nicht unter Spannung, wenn es eine freiliegende Leiterplatte oder einen freiliegenden elektrischen Draht hat.

Warnung: Ausführliche Sicherheitshinweise finden Sie im Online-Handbuch.

**IT:** Non toccare il prodotto quando è sotto tensione se il prodotto ha una scheda di circuito stampato o un filo elettrico esposto.

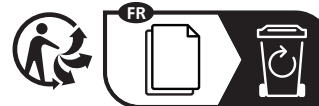
Attenzione: consulti il manuale online per le istruzioni di sicurezza dettagliate.

**ES:** No toque el producto cuando se encuentre bajo tensión si este tiene una placa de circuito impreso o un cable eléctrico expuesto.

Advertencia: Para instrucciones detalladas de seguridad, consulte el manual en línea.

**JP:** プリント基板や電線が露出している製品は、電源が入っている状態で直接触れないでください。

注意：安全性に関わる注意事項の詳細について、オンラインマニュアルを参照してください。



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