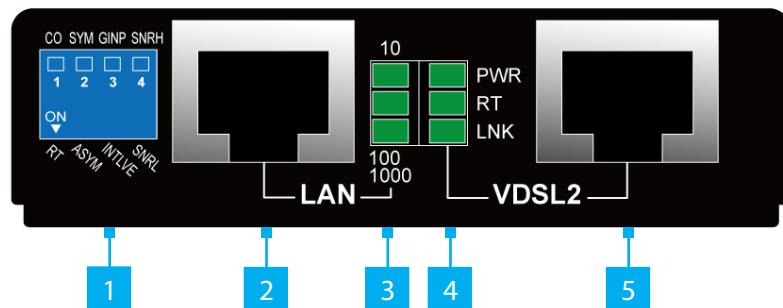


## 10/100/1000 Mbps VDSL2 Ethernet Extender Kit - 1km

### Product ID

VDSL-LAN-EXTENDER-EU



\*Product may vary from image

	Feature	Function
1	DIP Switches	<ul style="list-style-type: none"> <li>Set the Mode or change settings on the <b>VDSL Extenders</b></li> <li>Refer to <b>DIP Switch Chart</b></li> </ul>
2	LAN Port	<ul style="list-style-type: none"> <li>Connect to an <b>RJ45 Port on Local and Remote Equipment</b></li> </ul>
3	LAN Status LEDs	<ul style="list-style-type: none"> <li>Refer to the <b>LED Chart</b></li> </ul>
4	VDSL2 Status LEDs	<ul style="list-style-type: none"> <li>Refer to the <b>LED Chart</b></li> </ul>
5	VDSL2 Port	<ul style="list-style-type: none"> <li>Use a <b>RJ45 or RJ11 Cable</b> to connect the Local and Remote <b>VDSL Extenders</b> together</li> </ul>
6	Power Input Port	<ul style="list-style-type: none"> <li>Connect the included <b>Power Adapter</b></li> <li>Located on the rear of each <b>VDSL Extender</b></li> </ul>

### Package Contents

- VDSL Extender x 2
- Mounting Bracket Kits x 2
- Power Supply x 2
- Quick-Start Guide x 1

### Requirements

For the latest manuals, product information, technical specifications, and declarations of conformance, please visit: [www.StarTech.com/VDSL-LAN-EXTENDER-EU](http://www.StarTech.com/VDSL-LAN-EXTENDER-EU)

- Ethernet Device x 2
- RJ45 Ethernet Cables x 2
- RJ45 or RJ11 Cable x 1

### Installation

#### (Optional) Mounting the VDSL Extender

**Note:** Before mounting the **VDSL Extender** make sure that the surface you are mounting to is strong enough to support the **VDSL Extender**. It is recommended that the **VDSL Extender** is mounted on a wall stud to provide the correct support.

- Determine the **Mounting Surface** for the **Local and Remote VDSL Extender**.
- Place the **VDSL Extenders** upside down to expose the **Mounting Bracket Holes** on the **VDSL Extenders**. Align the **Holes** in the **Mounting Brackets** with the **Holes** on the bottom of the **VDSL Extenders**.
- Insert four **Screws** through each **Mounting Bracket** and into the **VDSL Extender**.
- Tighten each **Screw** using a **Phillips Head Screwdriver**.
- Mount the **VDSL Extender** to the desired **Mounting Surface** using the appropriate **Mounting Hardware** (e.g. Wood Screws).

## Install the VDSL Extender Kit

1. Position a **VDSL Extender** in each of the locations, local and remote.
2. Using **DIP Switch 1**, ensure that one **VDSL Extender** is in **Master Mode (CO)**, and the other is in **Remote Mode (RT)**.  
*Note: If the DIP switches need to be adjusted after the initial setup, both VDSL Extenders must be powered off before changing the DIP switch settings.*
3. Plug in an **RJ45 Ethernet Cable** from the **LAN Port** on the local **VDSL Extender** to an **Ethernet Port** on the local **Ethernet Device**.
4. Plug in an **RJ45 Ethernet Cable** from the **LAN Port** on the remote **VDSL Extender** to an **Ethernet Port** on the remote **Ethernet Device**.
5. Plug in a **RJ45 or RJ11 Cable** from the **VDSL2 Port** of the local **VDSL Extender**, to the **VDSL2 Port** of the remote **VDSL Extender**.
6. Connect the included **Power Adapters** to each of the **VDSL Extenders**.

## LED Chart

LED	Colour	Blink	On	Off
<b>PWR</b>	Green	N/A	Powered On	Powered Off
<b>RT</b>	Green	N/A	RT (Remote)	CO (Master)
<b>LNK</b>	Green	<b>Slow: Idle</b> <b>Fast: Training</b>	VDSL2 Link Up	VDSL2 Link Down
<b>10</b>	Green	Data Activity	10Mbps	Link Down
<b>100</b>	Green	Data Activity	100Mbps	Link Down
<b>1000</b>	Green	Data Activity	1000Mbps	Link Down

## VDSL2 Port Pinout

Pin	Description
<b>1</b>	N/A
<b>2</b>	N/A
<b>3</b>	N/A
<b>4</b>	Analog Input/Output
<b>5</b>	Analog Input/Output
<b>6</b>	N/A
<b>7</b>	N/A
<b>8</b>	N/A

## DIP Switches

**Note:** The VDSL Extender that is set to Remote mode will always follow the settings set on the Master VDSL Extender. When set to Remote Mode, DIP Switches 2, 3, and 4 have no function

No	CO DIP Switch	Symmetrical/ Asymmetrical	G.INP/ Interleaved Mode	SNR High/Low	Max Line Rate US/DS (Mbps)
<b>1</b>		Symmetrical	G.INP	High	146/162
<b>2</b>		Symmetrical	G.INP	Low	152/162
<b>3</b>		Symmetrical	Interleaved	High	139/151
<b>4</b>		Symmetrical	Interleaved	Low	148/151
<b>5</b>		Asymmetrical	G.INP	High	66/341
<b>6</b>		Asymmetrical	G.INP	Low	66/341
<b>7</b>		Asymmetrical	Interleaved	High	63/329
<b>8</b>		Asymmetrical	Interleaved	Low	65/328

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