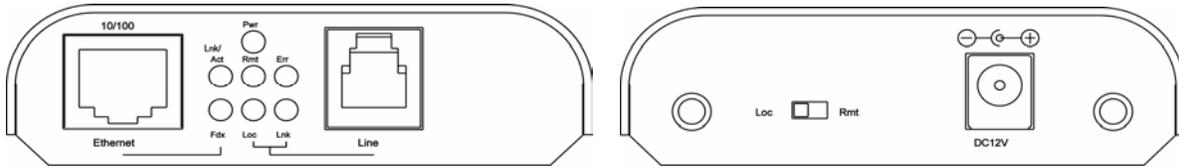




Manual and installation guide for LB300A

LB300A, Ethernet Extender introduced here provides one channel for Ethernet over VDSL. The following description provide as installation guide and manual.

Product Overview



Product Features

- One 10/100BaseTX (TX) Ethernet port with RJ-45 connector
- Auto negotiation of speed and duplex mode on TX port
- Auto MDIX on TX port
- Complies with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX standards
- One Ethernet over VDSL port with RJ-11 connector
- Ethernet over VDSL port auto senses the speed of 1/3/5/10/15/20/25/30Mbps
- One DIP switch for configuring VDSL local or remote mode
- Status LEDs
- External AC to DC power adapter
- Used as a stand-alone device or with a chassis
- Hot-swappable when used with a chassis

Packing List

When you unpack this product package, you will find the items listed below. Please inspect the contents, and report any apparent damage or missing items immediately to Black Box.

- LB300A, Ethernet Extender
- Installation Manual Guide
- AC to DC Power Adaptor

VDSL Mode Settings

VDSL mode settings are made very simple by means of a switch at the rear panel of the VDSL Extender. The switch has two positions for VDSL mode settings. Refer to the table below for more details. One device must be set to Loc and the other to Rmt when two devices are connected.

Loc	Rmt
The device operates in local mode	The device operates in remote mode

CUSTOMER SUPPORT INFORMATION

Order toll-free in the U.S. 24 hours, 7 A.M. Monday to midnight Friday: 877-877-BBOX

FREE technical support, 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746

Mail order: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018

Web Site: www.blackbox.com • E-mail: info@blackbox.com

Front Panel & LEDs

The LED indicators give you instant feedback on status of the Ethernet Extender:

LEDs	State	Indication
Pwr	Steady	Power on Pwr stands for POWER
	Off	Power off
Ethernet		
Lnk/Act	Steady	A valid Ethernet connection established Lnk stands for LINK
	Flashing	Transmitting or receiving Ethernet data Act stands for ACTIVITY
	Off	Neither valid Ethernet connection established nor transmitting/receiving Ethernet data
Fdx	Steady	Ethernet Connection in full duplex mode Fdx stands for FULL-DUPLEX
	Flashing	Collision occurred
	Off	Ethernet Connection in half-duplex mode
Ethernet over VDSL		
1	GREEN	The VDSL port transmitting/receiving at 1Mbps, up to 1900M
	Amber	The VDSL port transmitting/receiving at 3Mbps, up to 1700M
2	GREEN	THE VDSL PORT TRANSMITTING/RECEIVING AT 5MBPS, UP TO 1600M
	Amber	The VDSL port transmitting/receiving at 10Mbps, up to 1500M
3	GREEN	The VDSL port transmitting/receiving at 15Mbps, up to 1400M
	Amber	The VDSL port transmitting/receiving at 20Mbps, up to 1000M
4	GREEN	The VDSL port transmitting/receiving at 25Mbps, up to 800M
	Amber	The VDSL port transmitting/receiving at 30Mbps, up to 600M
Rmt	Steady	The device operates in remote mode
Loc	Steady	The device operates in local mode
Err	Steady	Error occurred
Lnk	Steady	A valid VDSL connection established

Connecting to Power

This Ethernet Extender is a plug-and-play device. Connect the supplied AC to DC power adaptor to the receptacle on the rear panel of the Ethernet Extender, and then attach the plug into a standard AC outlet with a voltage range from 100 to 240V AC.