Manual Of IP-VDSL VX-VEB165

Class B

This Modem made for Home application is registered on EMI/EMC, can be used for residential as well as out of residential Area

This Manual on IP-VDSL VX-VEB165 MODEM describes how to install and operate it, your understanding and using for it is highly recommended.

Contents

1. Introductions

IP-VDSL VX-VEB165 is MODEM providing very high speed Data Service and common Telephone Service to user through residential Telephone line.
IP-VDSL VX-VEB165 is MODEM providing various Multi-media service such as high speed internet connection

Internet Broad Casting, Remote Diagnosis, Monitoring conference, VOD etc..

2. Accessories of IP-VDSL VX-VEB165

(1)

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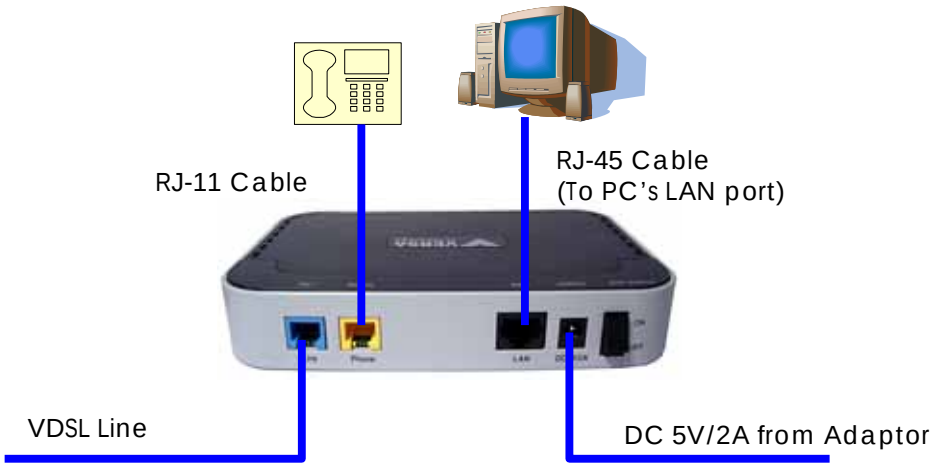
(1) VX-VEB165 modem
(2) (2) RJ-11 cable
(3) (3) RJ-45 cable
(4) (4) DC 5V/2A adaptor
(5) VX-VEB165 Manual

3. Connect Cables

Caution : Confirmation of power switch off VX-VEB165 MODEM, Before connecting the cables

- **VDSL Line Connection (VDSL Port)**
  Connecting the residential Telephone wire of using Telephone to Telephone socket of wall and IP-VDSL Port
- **Telephone Connection(PHONE Port)**
  Connecting RJ-11 cable : Phone Cable (included Accessory) to Phone port on VX-VEB165 MODEM and Telephone
- **PC connection(LAN port)**
  Connecting Ethernet Cable : RJ-45 Cable(included Accessory) to LAN Port on VX-VEB165 MODEM and LAN card on Computer
- **Power Adaptor connection(DC 5V 2A Port)**
  Connecting Power Adaptor Cable(included Accessory) to DC 5V 2A Input Port on VX-VEB165 MODEM



Cable Connection of VX-VEB165

4. System Composition

- **Front**

Name	LED color	Ability
PWR	Green	Lighting on connecting to correct power
LINE	Green	Lighting on connecting VDSL LINK, Blinking on sending and receiving data
DATA	Green	Lighting on connecting to VDSL Link, Blinking on sending and receiving data
LAN	Green	Lighting on connecting to Ethernet Link, Blinking on sending and receiving data

- **Back**

NAME	Use	Descriptions
LINE	VDSL Line Port	Sending and receiving the VDSL data and connecting Telephone socket on the wall
PHONE	Telephone connection port	Connecting to Telephone through the micro filters
LAN	Ethernet port	Connecting to LAN card of the PC using the straight type LAN cable
DC 5V/2A	Power input JACK	Connecting Power Adaptor to MODEM
POWER S/W	Power switch	Providing Power to MODEM

5. Specifications of IP-VDSL VX-VEB165

Items	Specifications
Standard	**VDSL standards**
	▪ ETSI VDSL standard ▪ ITU ITU-T G.993.1
	IEEE
	▪ IEEE 802.3 10BASE-TX ▪ IEEE 802.3u 100BASE-TX
Interface	**Ethernet Interface**
	▪ 10/100BASE-TX(IEEE 802.3 Auto-negotiation) ▪ Connector : RJ-45
	VDSL interface
	▪ Connector : RJ-11
	POTS interface
	▪ Connector : RJ-11
VDSL	**Modulation**
	▪ DMT
	Transmission
	▪ Full-duplex, Frequency Division Multiplexing(FDD)
	Data Rate
	▪ Symmetrical : 100/100Mbps(MAX rate)
	Band Plan
	▪ Plan 998
	PSD MASK
	▪ ETSI, ANSI, ITU-T(G.993.1) VDSL Standards
	Upstream Power-Back-Off
	▪ Support Upstream Power-back-off
	Loopback
	▪ Support remote and local loopback for network connection test
	CPE Configurations

	▪ VDSL Automatic setting of line speed ▪ Automatic setting(10/100BASE-TX Auto-negotiation) of port parameter
Connector	▪ Two RJ-11 connector (LINE, PHONE) ▪ ONE RJ-45 connector(LAN) ▪ Power Input JACK (DC 5V 2A)
LED	▪ POWER, LINK, DATA, LAN
Environment	▪ Temperature : 0~50℃(in work), -40~70℃(in Keeping) ▪ Humidity : 5~90%
Dimension And Weight	▪ Dimension : ▪ Weight :
Power	▪ Input : 100~240VAC, 50~60Hz, DC 5V/2A ▪ Electric Power gauge : 10 Watt(MAX)

Certification of Guarantee

Name of Product		IP-VDSL MODEM
Name of Model		IP-VDSL VX-VEB165
Serial Number		
Purchase Date		
Insurance Period		1 year
Customer	Name	
	Tel	
	Address	
	E-Mail	

Regulations of compensation for user

Damaged MODEM shall be compensated under regulations of compensation for user

Guarantee in detail

1. This product is made through strict quality control test process
2. 1 year warrantee shall be provided user without case of no #3
3. It shall be charged for providing technique and machine parts, in following cases
   - Carelessness using
   - Natural disasters(fire, earthquake, flood, thunderbolt, etc)
   - Incorrect input power supply
   - Damaged by unconfirmed Devices.
   - Damaged by Repair and Modification by and unidentified A/S Engineer.

- Address : 8th FL, Leaders Tower, 60-15 Gasan-dong, Geumchoen-gu, Seoul, 153-801, Korea
- Homepage : www.tellion.com

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment

WARNING
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.

INFORMATION TO USER:
This equipment has been tested and found to comply with the limit of 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:

1. Reorient / Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit difference from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help

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