Manual of IP-VDSL EX-1202Q

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

[Before Using this MODEM]

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 EX-1202Q MODEM describes how to install and operate it, your understanding and using for it is highly recommended.

Contents

1. Introductions

IP-VDSL EX-1202Q is MODEM providing very high speed Data Service and common Telephone Service to User through residential Telephone Line.
IP-VDSL EX-1202Q is MODEM providing various Multimedia Service such as High Seed Internet connection.
Internet Broad casting, Remote Diagnosis, Monitoring Conference, VoD etc..

2. Accessories of IP-VDSL EX-1202Q

MODEM

Manual

Adapter

Ethernet cable (RJ-45)

Phone cable (RJ-11)

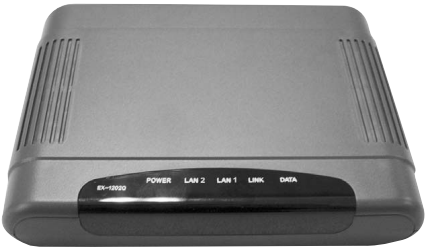
3. Connect cables

Caution: Confirmation of power switch off of EX-1202Q 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** VDSL Port.
- **Telephone connection (PHONE PORT)**
  Connecting RJ-11 Cable: Phone Cable (included Accessory) to Phone Port on EX-1202Q MODEM and Telephone.
- **PC connection (LAN1/LAN2 PORT)**
  Connecting Ethernet Cable: RJ-45 Cable (included Accessory) to LAN1/LAN2 Port on EX-1202Q MODEM and LAN1/LAN2 Card on P/C.
- **Power Adapter connection (DC 5V 2A PORT)**
  Connecting Power Adaptor Cable (included Accessory) to DC 5V 2A Input Port on EX-1202Q MODEM

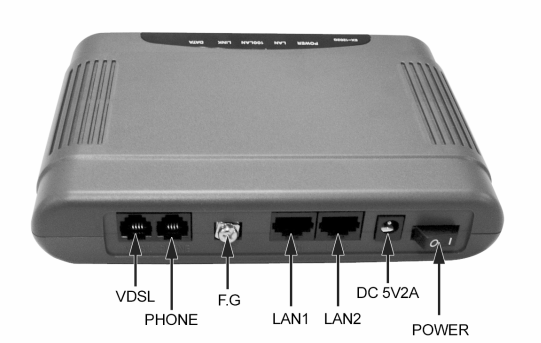
4. System composition

- **Front**



Name	LED Color	Ability
POWER	GREEN	Lighting on connecting to correct Power
LAN2	GREEN	Lighting on connecting to P/C
LAN1	GREEN	Lighting on connecting to P/C
LINK (VDSL Link)	GREEN	Lighting on connecting to VDSL Link
DATA (VDSL Data)	GREEN	Lighting on connecting to VDSL Link, Blinking on sending and receiving the Data.

- **Back**



Name	Use	Descriptions
VDSL	VDSL line PORT	Sending and receiving the VDSL data and Connecting to Telephone socket on the wall.
PHONE	Telephone connection PORT	Connecting to Telephone through the micro filters.
F.G	Frame alarm	Terminal for Frame Ground.
LAN1	Ethernet PORT	Connecting to LAN card of the PC using the straight type LAN cable.
LAN2	Ethernet PORT	Connecting to LAN card of the PC using the straight type LAN cable.
DC 5V 2A	Power input terminal	Connecting Power Adaptor To MODEM.
POWER	Power switch	Providing Power to MODEM.

5. Specification of IP-VDSL EX-1202Q

Items	Specification
Standard	**VDSL standard**
	● ETSI VDSL Standard ● ITU ITU-T G.993.1
	IEEE v
	● 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**
	Quadrature Amplitude Modulation (QAM)
	Transmission
	Full-duplex, Frequency Division Multiplexing (FDD)
	data Rate
	● Asymmetrical : 50/6Mbps ~ 1.5/0.4Mbps(M1)
	Band Plan
	● Plan998
	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 Configuration
	● VDSL Automatic setting of line speed ● Automatic setting (10/100Base-T Auto-Negotiation) of port parameter.

Connector	● Two RJ-11 Connector (LINE, PHONE) ● Two RJ-45 Connector (LAN1, LAN2) ● P/W input terminal(tab) (DC 5V 2A)
LED	POWER, LAN2, LAN1, LINK, DATA
Environment	● Temperature: 0 ~ 50°C (in work), -40~70°C (in keeping) ● Humidity: 5 ~ 90%
Standard OF MODEM	● Dimension: 165mm (W) x 34mm (H) x 124mm (H) ● Weight: 200g
Power of MODEM	● Input: 100~240VAC, 50~60Hz, DC 5V/2A ● Electric power gauge : 5 Watt (Max)

Certification of guarantee

Name of Product		**50M IP-VDSL MODEM**
Name of Model		**IP-VDSL EX-1202Q**
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 the regulations of compensation for user

Guarantee in detail

1. This product is made through strict quality control and test process.
2. 1 year warrantee shall be provided for 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 of power supply.
   - Damaged by unconfirmed Devices.
   - Damaged by Repair and Modification by any unidentified A/S Engineer.

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

Homepage: www.tellion.com

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8th Fl. Leaders Tower, 60-15 Gasan-dong,
Geumcheon-gu, Seoul, 153-801, Korea
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