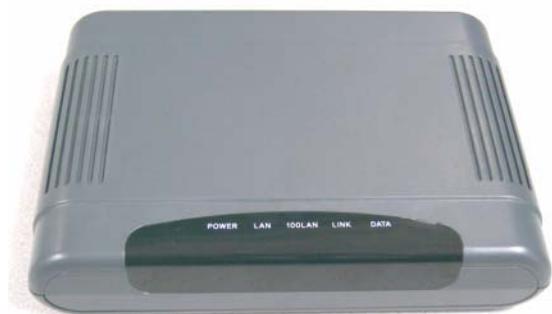


# Manual of IP-VDSL EX-1101QL



## [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-1101QL Modem describes how to install and operate it, your understanding and using for it is highly recommended.**

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**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

## Contents

- 1. Product introduce**
- 2. Packing contents confirmation of IP-VDSL EX-1101QL**
- 3. Connect cables**
- 4. System composition**
- 5. Specification of IP-VDSL EX-1101QL**

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## 1. Introductions

IP-VDSL EX-1101QL is Modem providing very high speed Data Service and common Telephone Service to User through residential Telephone Line.

IP-VDSL EX-1101QL is Modem providing various Multimedia Service such as high speed Internet connection,

Internet Broad casting, Remote Diagnosis, Monitoring Conference, VoD etc..

## 2. Accessories of IP-VDSL EX-1101QL



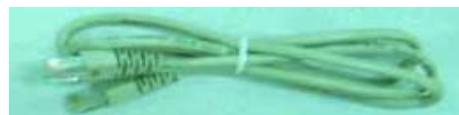
modem



manual



adapter



Ethernet cable (RJ45)



Phone cable (RJ11)

### 3. Connect cables

**Caution : Confirmation of power switch off of EX-1101 QL Modem before connecting the cables.**

♦ **VDSL Line connection (LINE PORT)**

Connecting the residential Telephone wire of using Telephone to Telephone Socket of wall and **IP-VDSL** Line Port

♦ **Telephone connection (PHONE PORT)**

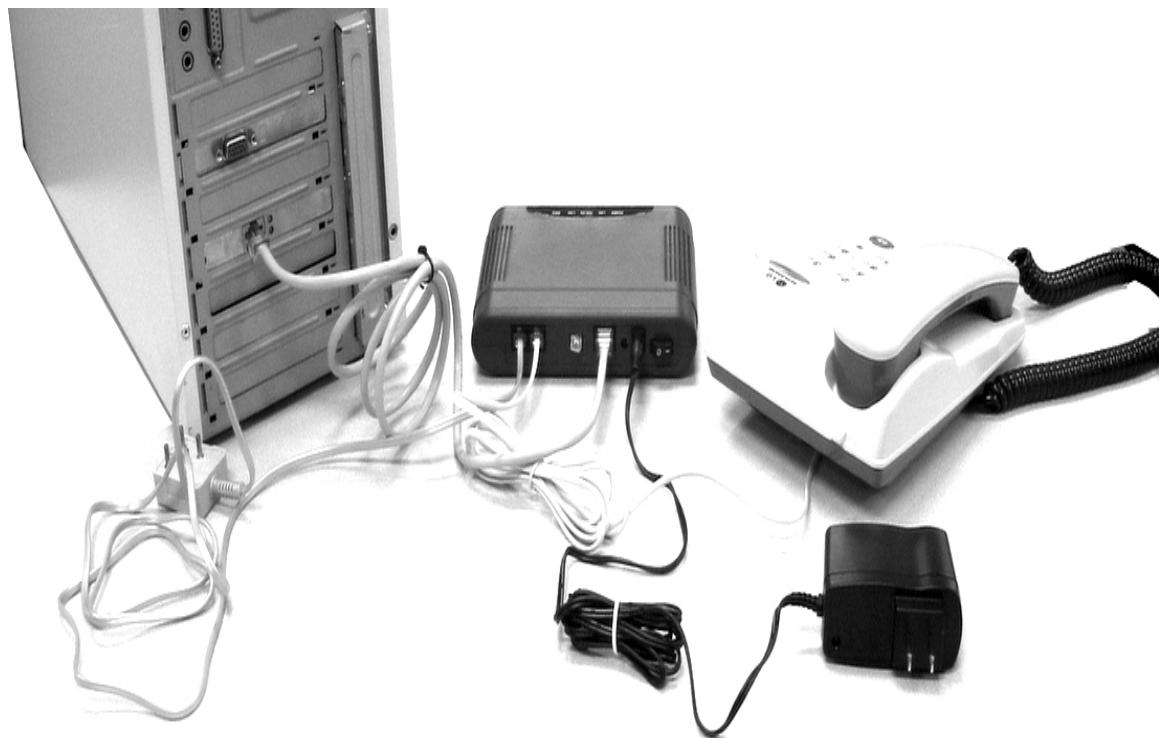
Connecting RJ11 Cable: Phone Cable(included Accessory) to Phone Port on EX1101QL Modem and Telephone.

♦ **PC connection (LAN PORT)**

Connecting Ethernet Cable:CRJ45 Cable(included Accessory) to LAN Port on EX-1101QL Modem and LAN Card on P/C.

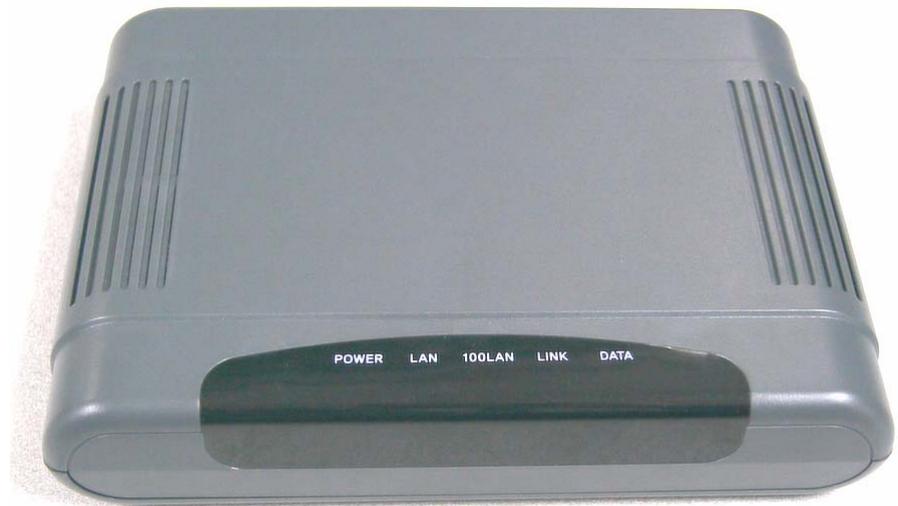
♦ **Power Adapter connection(5V DC PORT)**

Connecting Power Adaptor Cable(included Accessory) to DC Input Port on EX1101QL Modem



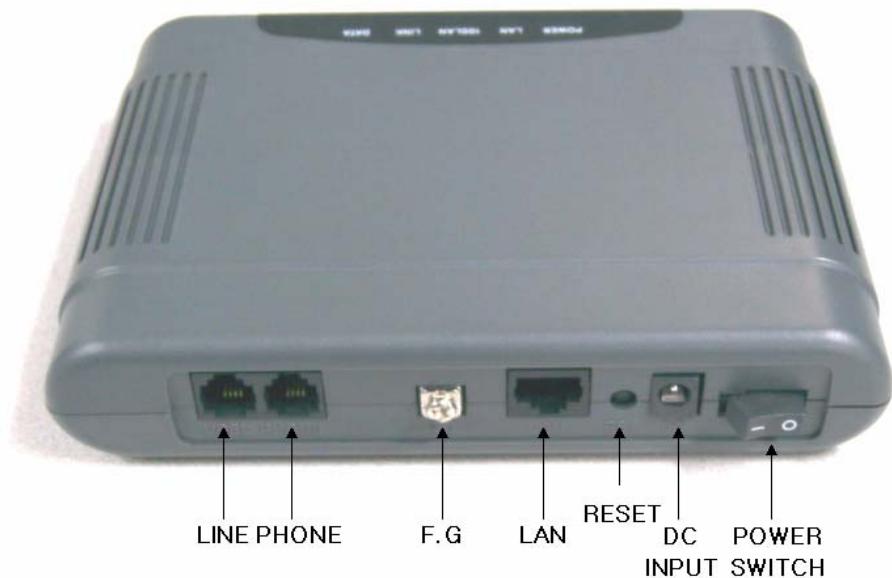
## 4. System composition

- **front**



Name	LED Color	ability
DATA(VDSL Data)	GREEN	Lighting on connecting to Link, Blinking on sending and receiving the Data.
LINK (VDSL Link)	GREEN	Lighting on connecting to Link
100M LAN	GREEN	Lighting on being 100M LAN to P/C
LAN	GREEN	Lighting on connecting to P/C
POWER	GREEN	Lighting on connecting to correct Power

## • back



name	use	Descriptions
LINE	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
LAN	Ethernet PORT	Connecting to LAN card of the PC using the straight type LAN cable.
RESET	Reset Switch	Making Modem be Initial Condition
DC 5V 2A	Power input terminal	Connecting Power Adaptor TO mODEM
PWR	Power switch	Providing Power to modem.

## 5. Specification of IP-VDSL EX-1101QL

Item	Specification
standard	<b>VDSL standard</b> <ul style="list-style-type: none"> <li>● ETSI VDSL Standard</li> <li>● ITU ITU-T G.993.1</li> </ul>
	<b>IEEE v</b> <ul style="list-style-type: none"> <li>● IEEE 802.3 10Base-TX</li> <li>● IEEE 802.3u 100Base-TX</li> </ul>
	<b>Ethernet Interface</b> <ul style="list-style-type: none"> <li>● 10/100Base-TX (IEEE 802.3, Auto-negotiation)</li> <li>● Connector : RJ-45</li> </ul>
	<b>VDSL Interface</b> <ul style="list-style-type: none"> <li>● Connector : RJ-11</li> </ul>
Interface	<b>POTS Interface</b> <ul style="list-style-type: none"> <li>● Connector : RJ-11</li> </ul>
	<b>Modulation</b> Quadrature Amplitude Modulation (QAM)
	<b>Transmission</b> Full-duplex, Frequency Division Multiplexing (FDD)
	<b>data Rate</b> <ul style="list-style-type: none"> <li>● Asymmetrical : 50/6Mbps ~ 1.5/0.4Mbps(M1)</li> </ul>
VDSL	<b>Band Plan</b> <ul style="list-style-type: none"> <li>● Plan998</li> </ul>
	<b>PSD MASK</b> ETSI, ANSI, ITU-T(G.993.1) VDSL Standards
	<b>Upstream Power-back-off</b> Support Upstream Power-back-off
	<b>Loopback</b> Support remote and local loopback for network connection test
VDSL	<b>CPE Configuration</b> <ul style="list-style-type: none"> <li>● VDSL Automatic setting of line speed</li> <li>● Automatic setting (10/100Base-T Auto-Negotiation) of port parameter.</li> </ul>
	<b>Connector</b> <ul style="list-style-type: none"> <li>● Two RJ-11 Connector (LINE, PHONE)</li> </ul>

	<ul style="list-style-type: none"><li>● A RJ-45 Connector (LAN)</li><li>● P/W input terminal(tab) (5V DC)</li></ul>
<b>LED</b>	DATA, LINK, 100M LAN, LAN, POWER
environment	<ul style="list-style-type: none"><li>● temperature : 0 ~ 50°C ( in work), -40~70°C (in keeping)</li><li>● humidity : 5 ~ 90%</li></ul>
Standard OF Modem	<ul style="list-style-type: none"><li>● Dimension : 24(W) x 133(H) x 108(H) mm</li><li>● Weight : 200g</li></ul>
Power OF Modem	<ul style="list-style-type: none"><li>● Input : 100~240VAC, 50~60Hz, DC 5V/2A</li><li>● Electric power gauge : 5 Watt (Max)</li></ul>

## Certification of guarantee

Name of Product	<b>50M IP-VDSL modem</b>								
Name of Model	<b>IP-VDSL EX-1101QL</b>								
Serial Number									
Purchase Date									
Insurance period	1 year								
Customer	<table border="1"> <tr> <td>Name</td><td></td></tr> <tr> <td>Tel</td><td></td></tr> <tr> <td>Address</td><td></td></tr> <tr> <td>E-Mail</td><td></td></tr> </table>	Name		Tel		Address		E-Mail	
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 warranty 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.

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**Tellion** : 5<sup>th</sup> FL, BONA Venture town 1586-7, Seocho3-dong, Seocho-gu Seoul  
137-719, Korea

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**Homepage** : [www.tellion.com](http://www.tellion.com)

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