

ADSL MODEM

USER MANUAL



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DB 102 ADSL MODEM





1. OVERVIEW.....	6
ABOUT ADSL AND ADSL 2+.....	6
DEVICE INTRODUCTION.....	7
LED STATUS INDICATION.....	8
FEATURES.....	10
2. HARDWARE INSTALLATION AND SOFTWARE	11
HARDWARE CONNECTION.....	11
INSTALLATION STEPS.....	12
SOFTWARE CONFIGURATION	12
COMPUTER CONFIGURATION.....	13
.....	13





OVERVIEW

1

1. OVERVIEW

ABOUT ADSL AND ADSL 2+

ADSL MODEM is a broadband Internet access device , which utilizes the high frequency segment of the phone line to transmit high-speed data without interfering with the voice transmission.

The upload speed is up to 1Mbps and download speed is up to 8Mbps. It is an ideal device for broadband access.

Transmission performance of ADSL2 is improved comparing with the first generation of ADSL.

These improvements are mainly concerned with:

Long distance, anti-line-loss, anti-noise, etc.

By doubling the transmission bandwidth, ADSL2+ has implemented a downlink rate as high as 24 Mbps. Therefore, Internet applications such as



synchronous transmission of multi video stream, online games and huge capacity of downloading files are made possible.

DEVICE INTRODUCTION

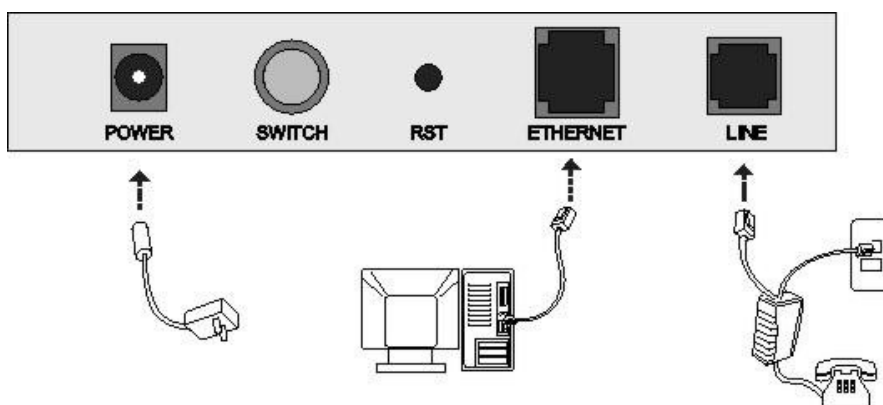



Figure 1.1



Interface introduction:

- ① Power Interface: 5.2V DC, 1000mA. 
- ② Power switch: To turn on or off the power.
- ③ Reset Key: Reset default configuration.
- ④ Ethernet Interface: To be connected to a PC or a HUB by an RJ 45.
- ⑤ Line Interface: To be connected to a telephone.

LED STATUS INDICATION

Table 1.1

Status	POWER (red)	LINK (yellow)	DATA (green)	PC(green)
Steady light	Power on	The modem is in good connection	/	Ethernet line is connected
Flashing	/	No signal	/	/
Fast flashing	/	In handshaking status	Transmitting or receiving data	/
Off	Power off	Power off	Not connected with PC properly	Ethernet line not connected properly



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FEATURES

1. Supports ANSI T1.413 ISSUE 2, ITU G.992.1(G.DMT), ITU G.992.2(G.LITE), ITU G.992.3(ADSL2), ITU G.992.5(ADSL2+).
2. Web-based configuration and monitoring.
3. Supports up to 8 PVCs.
4. Routing function.
5. NAPT 、 DHCP function.
6. Maximum upstream transmission rates of 1Mbps
7. Maximum downstream transmission rates of 8 Mbps (24Mbps for ADSL2+).
8. Software upgradeable.
9. Transmission distance up to 5 km.
10. ATM management function.
11. Based on EOA long distance management



HARDWARE INSTALLATION AND SOFTWARE CONFIGURATION

2

2. HARDWARE INSTALLATION AND SOFTWARE

HARDWARE CONNECTION

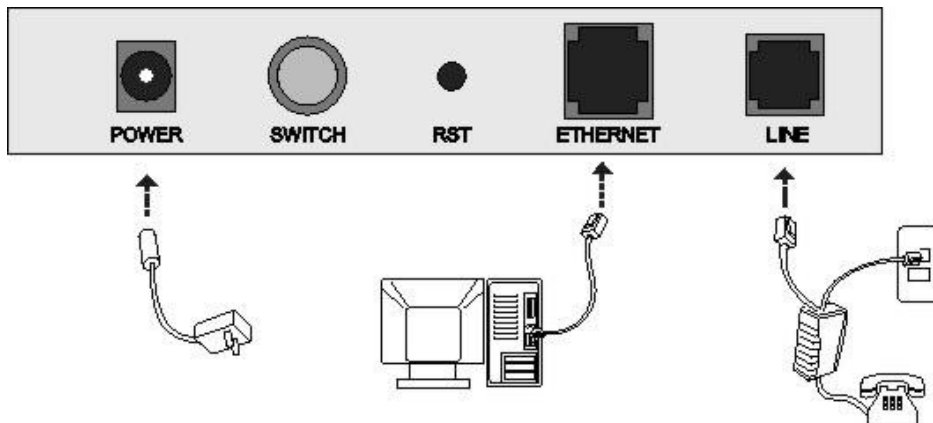


Figure 2.1



INSTALLATION STEPS

1. Connect line port⑤ of the ADSL MODEM to telephone jack with the telephone cord that comes with the modem.
2. Connect Ethernet port④ of the ADSL MODEM to Ethernet port of the computer using the network cable that comes with the modem.
3. Plug in the power cord ①, and turn on the power.

SOFTWARE CONFIGURATION



Information					

COMPUTER CONFIGURATION

The default factory-set IP Address for the ADSL MODEM is: 192.168.1.1. The Subnet Mask is: 255.255.255.0.

Users can configure ADSL MODEM through an Internet browser. ADSL MODEM can be used as a gateway and DNS server and users need to set the computer's TCP/IP protocol as follow:

1. Set the computer at same Internet segment with ADSL MODEM so as to enter ADSL MODEM configuration page through a browser.
2. Set the computer's gateway's IP address the same as the ADSL Modem's.
3. Set the computer's DNS server's IP address the same as the ADSL Modem's or that of an effective DNS server.

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PPPoA					



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Private Line					

Note

APPLICATION OF DHCP

4

1.

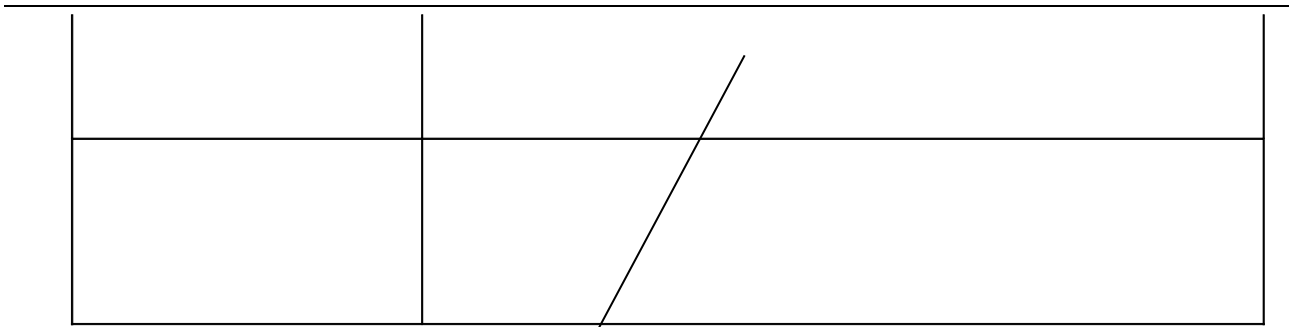


SPECIFICATION

7



DB 102 ADSL MODEM



Ethernet Interface

Power Interface

Line Interface

