USER MANUEL

Descriptions:

The SHDSL (Single-Paired High Speed Digital Subscriber Loop) routers comply with G 991.2 standard with 10/100 Base-T auto-negotiation. It provides business-class multi-range from 64Kbps to 2.304Mbps (for 2-wire mode) The SHDSL routers are designed not only to optimize the service bit rate from central office to customer premises also it integrates high-end Bridging/Routing capabilities with advanced functions of Multi-DMZ, virtual server mapping and VPN pass-through.

The SHDSL routers allow customers to leverage the latest in broadband technologies to meet their growing data communication needs. Through the power of SHDSL products, you can access superior manageability and reliability.

Features:

Easy configuration and management with password control for various application environments

◆ Efficient IP routing and transparent learning bridge to support broadband Internet services

◆ VPN pass-through for safeguarded connections

DMZ host/Multi-DMZ/Multi-NAT enables multiple workstations on the LAN to access the Internet for the cost of IP address

Fully ATM protocol stack implementation over SHDSL

◆PPPoA and PPPoE support user authentication with PAP/CHAP/MS-CHAP

◆ SNMP management with SNMPv1/SNMPv2 agent and MIB II

◆ Getting enhancements and new features via Internet software upgrade

Specification:

Routing:

- Support IP/TCP/UDP/ARP/ICMP/IGMP protocols
- IP routing with static routing and RIPv1/RIPv2 (RFC1058/2453)

- IP multicast and IGMP proxy (RFC1112/2236) Network address translation (NAT/PAT) (RFC1631)
- NAT ALGS for ICQ/Netmeeting/MSN/Yahoo Messenger
- DNS relay and caching (RFC1034/1035)
- DHCP server, client and relay (RFC2131/2132)

Bridging:

- IEEE 802.1D transparent learning bridge Spanning tree protocol

Step 1: Check the Ethernet Adapter in PC or NB

Make sure that Ethernet Adapter had been installed in PC or NB used for configurati of the router TCP/IP protocol is necessary for web configuration, so please check th TCP/IP protocol whether it has been installed.

Step 2: Check the Web Browser in PC or NB

According to the Web Configuration, the PC or NB need to install Web Browser, IE o Netscape

Note: Suggest to use IE5.0, Netscape 60 or above and 800x600 resolutions or abov

Step 3: Check the Terminal Access Program

For Dip switch or Telnet Configuration

Outlook of Dip Switch:

As the following figure shown, position 2 to 4 is assigned to Rate configuration and position. 1 is for CO or CPE selection.

DIP Switch

1	2	3	4
Site	Rate	Rate	Rate

DC-IN	Power adaptor inlet: Input voltage 9-12VDC
LAN	Ethernet 10/100 Base-T for LAN port (Rj45)
FG	Connected to ground wire
DIP SWITCH	DIP4 for rate configuration
LINE	SHDSL interface for WAN port (Rj11)
RST	Reset button for reboot or load factory default

Note:

The RST button can be used only in one of two ways:

1) Press the RST button for one (1) second will cause system reboot.
2) Pressing the RST button for 4 seconds will cause the product loading the factory default setting and losing all of yours configuration. When you want to change its configuration but forget the user name or password, or if the product is having problems connecting to the Internet and you want to configure it again clearing all configuration, press the RST button for 4 second with a paper clip or sharp pencil.
3) Default IP address : **192.168.0.100**

   User: **root**

   Password: **root**

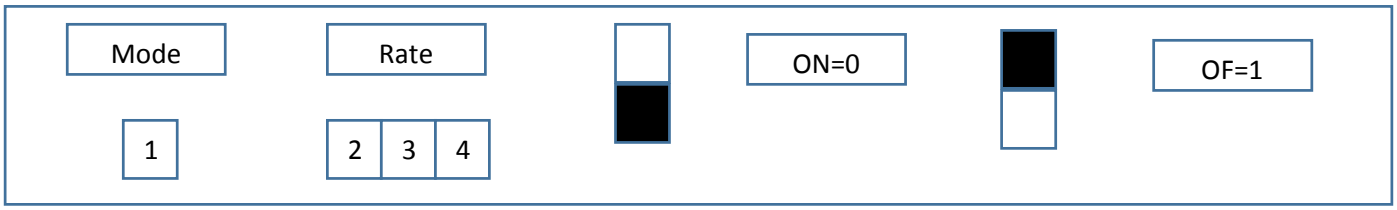
Rate Configuration

Transmission Rate can be manually configured by utilizing Rate Dip Switch where 8 modes are provided as following figure shown.

CO/CPE Selection

By using Dip 1 as following figure shown, users can easily to configure the TS-101 as CO or CPE

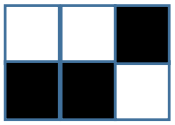
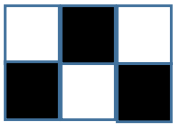
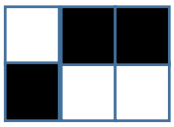
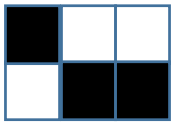
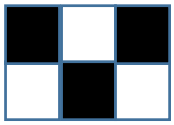
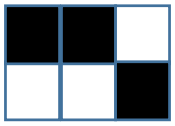
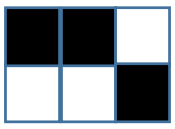
Note: Default CPE, Rate: Auto



CO/CPE Select:

DIP	Value	Rate
	0	CPE
	1	CO

Rate DIP Switch (DIP 2 to 4)

DIP	Value	Rate
	000	AUTO
	001	2048K
	010	1536K
	011	1024k
	100	512K
	101	256K
	110	128K
	111	DSLAM CPE

Front Panel

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Front Panel description:

LEDs	Active	Description
PWR	ON	Power adaptor is connected to the router
Line : LNK	ON	SHSDL line connection is established
ACT	Blink	SHDSL handshake
	Blink	Transmit or received data over SHDSL link
ETH	ON	LAN port connect
	OFF	LAN port NO connect
100M	ON	LAN port acts is 100M
CPE	ON	SHDSL is CPE
	OFF	SHDSL is CO
ALM	ON	SHDSL line connection is dropped
	Blink	SHDSL self-test