

*TELNET Command Line Interface
Quick Reference Syntax 1.0.10*

<i>Command syntax</i>		<i>Short Description</i>
<i>SYSTEM part level II</i>		
system	<code>information <CR></code>	Show system hardware information
	<code>op_mode <Router Bridging Host></code>	Kernel operation mode
	<code>hostname [name]</code>	Config local hostname
	<code>domain_name [domain]</code>	Config local domain name
	<code>group_name <name></code>	Config group name for NetBIOS resource share
	<code>time_zone <0~62></code>	Time zone ID
	<code>use_time_server <Disable Enable> [time]</code>	Using time server or base time
	<code>update_interval <1~72></code>	Update interval (hours)
	<code>daylight_save <Disable Enable></code>	Automatic daylight saving
	<code>time_server <ip> [ip] [ip]</code>	Time servers
	<code>adsl_mode <Auto T1.413Full T1.413Lite G.DMT G.Lite ADSL2 ADSL2PLUS></code>	ADSL modem operation mode
	<code>clone_mac <Default PC's mac></code>	Clone WAN port MAC address
	<code>response_mode <Normal Brief></code>	Config response mode in CLI

<i>INTERFACE part level II</i>			
interface	lan <1~4>	<code>address <ip> <netmask></code>	Interface IP address & netmask
		<code>link_type <Disable Ethernet></code>	Config interface link type
		<code>nat_type <Public Private></code>	NAT network type
		<code>bridge <Disable Enable></code>	Config interface bridging function state
		<code>access-list <0~4> <0~4></code>	Binding interface access-list
		<code>device-filter <0~4> <0~4></code>	Binding interface device-filter rules
		<code>access_ctrl <Disable Enable></code>	Enable or disable access control
		<code>inspect-rule <0~4> <0~4></code>	Binding interface inspection rule
		<code>network_secure <Untrust Trust></code>	Config interface security type
		<code>vlan <0~4></code>	Config VLAN profile index
	wireless <1~1>	<code>address <ip> <netmask></code>	Interface IP address & netmask
		<code>link_type <Disable Ethernet></code>	Config interface link type
		<code>nat_type <Public Private></code>	NAT network type
		<code>bridge <Disable Enable></code>	Config interface bridging function state
		<code>access-list <0~4> <0~4></code>	Binding interface access-list
		<code>device-filter <0~4> <0~4></code>	Binding interface device-filter rules
		<code>access_ctrl <Disable Enable></code>	Enable or disable access control
		<code>inspect-rule <0~4> <0~4></code>	Binding interface inspection rule
	atm <1~8>	<code>network_secure <Untrust Trust></code>	Config interface security type
		<code>vlan <0~4></code>	Config VLAN profile index
		<code>address <ip> <netmask></code>	Interface IP address & netmask

		<code>link_type <Disable Ethernet PPP IPoA></code>	Config interface link type
		<code>nat_type <Public Private></code>	NAT network type
		<code>bridge <Disable Enable></code>	Config interface bridging function state
		<code>dial <1~20> <0~32767> <-1~30></code>	Config dial profile index and attributes
		<code>vc <1~8></code>	Specify VC profile index
		<code>access-list <0~4> <0~4></code>	Binding interface access-list
		<code>device-filter <0~4> <0~4></code>	Binding interface device-filter rules
		<code>access_ctrl <Disable Enable></code>	Enable or disable access control
		<code>inspect-rule <0~4> <0~4></code>	Binding interface inspection rule
		<code>network_secure <Untrust Trust></code>	Config interface security type
		<code>remote_route <ip> [Disable Enable]</code>	Remote IP address and add route
		<code>dns <ip> [ip]</code>	ISP provides DNS IP addresses
		<code>ip_assign <Dynamic Fixed></code>	Dynamic get IP address or use fixed IP
		<code>vlan <0~4></code>	Config VLAN profile index
		<code>dhcp_clt <Disable Enable></code>	Enable or disable DHCP client
		<code>address <ip> <netmask></code>	Interface IP address & netmask
	<code>pppoe <1~8></code>	<code>link_type <Disable PPPoE></code>	Config interface link type
		<code>ether_interface <interface></code>	Config PPP over ethernet interface number
		<code>dial <1~20> <0~32767> <-1~30></code>	Config dial profile index and attributes
		<code>access-list <0~4> <0~4></code>	Binding interface access-list
		<code>device-filter <0~4> <0~4></code>	Binding interface device-filter rules
		<code>access_ctrl <Disable Enable></code>	Enable or disable access control
		<code>inspect-rule <0~4> <0~4></code>	Binding interface inspection rule
		<code>network_secure <Untrust Trust></code>	Config interface security type
		<code>ip_assign <Dynamic Fixed></code>	Dynamic get IP address or use fixed IP
		<code>vlan <0~4></code>	Config VLAN profile index
	<code>lan_sec <1~1></code>	<code>address <ip> <netmask></code>	Interface IP address & netmask

ps. The command `lan_sec` is for telefonica vendor.

VLAN part

level II

<code>vlan <1~4></code>	<code>name <string></code>	VLAN profile description
	<code>ipnet <ip> <netmask></code>	VLAN subnet value
	<code>igmp-snooping <Disable Enable></code>	Config IGMP-Snooping function
	<code>igmp-querier <Disable Enable></code>	Config IGMP-Querier function
	<code>func <Disable Enable></code>	Enable or disable this VLAN port

WLAN part

level II

<code>wlan</code>	<code>country <1~76></code>	Country selection
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	SSID <string>	SSID	
	hide_ssid <Disable Enable>	Hide SSID	
	channel <0~13>	Current operating frequency channel	
	tx_rate <Auto 54 48 36 24 18 12 11 9 6 5.5 2 1>	Transmission rate (Mbit)	
	mode <mixed long_range g_only b_only>	Wireless mode	
	stationName <string>	Station name	
	rtsThreshold <0~3000>	RTS threshold	
	fragThreshold <256^2346>	Fragmentation threshold (even numbers only)	
mac_filter	func <Disable Enable>	Enable MAC filter	
	access_rule <Deny Allow>	Access rule for registered MAC address	
	add <mac>	Add MAC address	
	delete <1~32>	Delete MAC address	
	modify <1~32> <mac>	Modify MAC address	
wep	mode <Disable Enable> [64 128]	WEP mode	
	dyna_key_prov <Disable Enable>	Key provisioning, static or dynamic	
	defaultKeyId <1~4>	WEP default key ID	
	defaultKeys64 <1~4> <hex>	64 bits WEP key table (Hex)	
	defaultKeys128 <1~4> <hex>	128 bits WEP key table (Hex)	
	key64ascii <1~4> <string>	64 bits WEP key table (ASCII)	
	key128ascii <1~4> <string>	128 bits WEP key table (ASCII)	
	passphrase64 <string>	Passphrase for 64 bits WEP key	
wpa	passphrase128 <string>	Passphrase for 128 bits WEP key	
	mode <Disable Enable> [802.1X PSK]	WPA mode	
	psk_type <Passphrase Hex>	Pre-shared key type	
	psk_hex <hex>	256 bits PSK	
	psk_passphrase <string>	Passphrase for PSK	
	obscure_psk <Disable Enable>	Obscure PSK	
	rekey_period <Disable Seconds Packets>	Rekey period	
	rekey_second <number>	Rekey second	
802.1x	rekey_packet <number>	Rekey packet	
	func <Disable Enable>	Enable/Disable 802.1X	
	session_timeout <number>	Session idle timeout (milli seconds)	
	re_auth_period <number>	Re-authentication period (milli seconds)	
	quiet_period <number>	Quiet period (milli seconds)	
	radius	server_ip <ip>	Server IP
		server_port <1~65534>	Server port
		secret_key <string>	Secret key
nas_id <string>		NAS-ID	
wds	func <Disable Enable>	WDS functionality	
	connect	func <1~4> <Disable Enable>	MAC of LAN mode to be use
		mac <1~4> <mac>	MAC of LAN mode

<code>func <Disable Enable></code>	Wireless disable or enable
<code>security_mode <disable wep wpa2_only wpa_wpa2></code>	Config wireless security mode

BRIDGE part level II

<code>bridge</code>	<code>generic <Disable Enable> <ip> <netmask></code>	Config bridging function, IP and subnet mask
	<code>static</code>	
	<code>add</code>	
	<code>mac_address <mac></code>	Config mac address
	<code>LAN1_port <Filter Forward Dynamic></code>	Config LAN1 bridging type
	<code>WLAN1_port <Filter Forward Dynamic></code>	Config WLAN1 bridging type
	<code>ATM1_port <Filter Forward Dynamic></code>	Config ATM1 bridging type
	<code>ATM2_port <Filter Forward Dynamic></code>	Config ATM2 bridging type
	<code>ATM3_port <Filter Forward Dynamic></code>	Config ATM3 bridging type
	<code>ATM4_port <Filter Forward Dynamic></code>	Config ATM4 bridging type
	<code>ATM5_port <Filter Forward Dynamic></code>	Config ATM5 bridging type
	<code>ATM6_port <Filter Forward Dynamic></code>	Config ATM6 bridging type
	<code>ATM7_port <Filter Forward Dynamic></code>	Config ATM7 bridging type
	<code>ATM8_port <Filter Forward Dynamic></code>	Config ATM8 bridging type
	<code>LAN2_port <Filter Forward Dynamic></code>	Config LAN2 bridging type
	<code>LAN3_port <Filter Forward Dynamic></code>	Config LAN3 bridging type
	<code>LAN4_port <Filter Forward Dynamic></code>	Config LAN4 bridging type
	<code>WDS1_port <Filter Forward Dynamic></code>	Config WDS1 bridging type
	<code>WDS2_port <Filter Forward Dynamic></code>	Config WDS2 bridging type
	<code>WDS3_port <Filter Forward Dynamic></code>	Config WDS3 bridging type
	<code>WDS4_port <Filter Forward Dynamic></code>	Config WDS4 bridging type
	<code>delete <1-20></code>	Delete static MAC entry
	<code>modify <1-20></code>	
	<code>mac_address <mac></code>	Config mac address
	<code>LAN1_port <Filter Forward Dynamic></code>	Config LAN1 bridging type
	<code>WLAN1_port <Filter Forward Dynamic></code>	Config WLAN1 bridging type
	<code>ATM1_port <Filter Forward Dynamic></code>	Config ATM1 bridging type
	<code>ATM2_port <Filter Forward Dynamic></code>	Config ATM2 bridging type
	<code>ATM3_port <Filter Forward Dynamic></code>	Config ATM3 bridging type
	<code>ATM4_port <Filter Forward Dynamic></code>	Config ATM4 bridging type
	<code>ATM5_port <Filter Forward Dynamic></code>	Config ATM5 bridging type
	<code>ATM6_port <Filter Forward Dynamic></code>	Config ATM6 bridging type
	<code>ATM7_port <Filter Forward Dynamic></code>	Config ATM7 bridging type
	<code>ATM8_port <Filter Forward Dynamic></code>	Config ATM8 bridging type
	<code>LAN2_port <Filter Forward Dynamic></code>	Config LAN2 bridging type
	<code>LAN3_port <Filter Forward Dynamic></code>	Config LAN3 bridging type
	<code>LAN4_port <Filter Forward Dynamic></code>	Config LAN4 bridging type
	<code>WDS1_port <Filter Forward Dynamic></code>	Config WDS1 bridging type
	<code>WDS2_port <Filter Forward Dynamic></code>	Config WDS2 bridging type
	<code>WDS3_port <Filter Forward Dynamic></code>	Config WDS3 bridging type

			<code>wds4_port <Filter Forward Dynamic></code>	Config WDS4 bridging type
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VC part *level II*

vc <1~8>	<code>vpi_vci <0~255> <0~65535></code>		Config VPI/VCI value
	<code>encapsulate <VC-Mux LLC></code>		Config encapsulation type
	<code>state <Disable Enable></code>		Config ATM virtual circuit state
	<code>qos <CBR VBR UBR></code>		QoS class
	<code>pcr <0~9999></code>		Peak cell rate
	<code>scr <0~9999></code>		Sustain cell rate
	<code>mbs <0~9999></code>		Maximum burst size

PPP part *level II*

ppp	<code>users_edit</code>	<code>modify <1~25> profile <name> <pass_set0></code>	User account and password
		<code>delete <1~25></code>	Delete user profile
	<code>address_pool</code>	<code>ip_pool <ip> <1~127></code>	Edit IP pool. Based IP address & range number
	<code>authenticate <User_Pool RADIUS> <User_Pool RADIUS></code>		User authentication policy
	<code>assign_address <Address_Pool RADIUS> <Address_Pool RADIUS></code>		Peer address assignment policy
	<code>wan_pppoe <Disable PPPoE></code>		WAN port PPPoE function

DIAL part *level II*

dial <1~20>	<code>isp_profile <string> [string]</code>		Config dial-out ISP name and destination string
	<code>account_profile <account> <pass_set1></code>		Config access account and password
	<code>on_demand <Disable Enable></code>		Continuous or dial on demand
	<code>auto_reconnect <Disable Enable></code>		Automatic reconnect
	<code>startup <Disconnected Connected Last></code>		Connection state while system startup
	<code>mtu <512~1500></code>		Config MTU

IP_SHARE part *level II*

ip_share	<code>address_mapping</code>	<code>interface <interface></code>	Activate interface	
		<code>add</code>	<code>func <Disable Enable></code>	Enable or disable this entry
			<code>virtual_ip <ip> <1~254></code>	Local address pool
			<code>global_ip <ip></code>	Global address
	<code>delete <1~20></code>	Delete address mapping		

		modify <1~20>	interface <interface>	Activate interface
			func <Disable Enable>	Enable or disable this entry
			virtual_ip <ip> <1~254>	Local address pool
	virtual_server	add	global_ip <ip>	Global address
			name <name>	Service name
			interface <interface>	Activate interface
		delete <1~20>	server <ip>	LAN Host IP address
			port_map <wan_ports> <lan_ports>	public to private protocol/ports mapping
			func <Disable Enable>	Enable or disable this virtual server
	special_ap	modify <1~20>	delete <1~20>	Delete virtual server mapping
			name <name>	Service name
			interface <interface>	Activate interface
		add	server <ip>	LAN Host IP address
			port_map <wan_ports> <lan_ports>	public to private protocol/ports mapping
			func <Disable Enable>	Enable or disable this virtual server
	delete <1~10>	incoming <port_range> <TCP UDP>	Incoming protocol & ports number	
		func <Disable Enable>	Enable or disable this application	
		trigger <1~65534> <TCP UDP>	Trigger port and protocol	
nat	modify <1~10>	delete <1~10>	Delete special application mapping	
		incoming <port_range> <TCP UDP>	Incoming protocol & ports number	
		func <Disable Enable>	Enable or disable this application	
	local	trigger <1~65534> <TCP UDP>	Trigger port and protocol	
		range <1~5> <ip> <1~253>	Edit address range	
		delete <1~5>	Delete address range	
global	range <1~5> <ip> <1~253>	Edit address range		
	interface <1~5> <interface>	Bind address range to specific interface		
	delete <1~5>	Delete address range		

FIREWALL-FUNC part level II

firewall-func	all <Disable Enable>	Enable or disable overall firewall function	
	DMZ <Disable Enable>	Enable or disable DMZ function	
	schedule_rule <Disable Enable>	Enable or disable schedule rule function	
	inspect <Disable Enable>	Enable or disable inspection module	
	DoS <Disable Enable>	Enable or disable DoS pattern detect	
	WAN_ping <Disable Enable>	Deny ping request from WAN	
	rip_defect <Disable Enable>	Deny RIP from WAN	
	virtual_DMZ	modify <1~20> <ip> <ip WAN_IP>	Modify DMZ address mapping
		interface <1~20> <interface>	Bind address pair to specific interface
		delete <1~20>	Delete DMZ address mapping
	maillog <DoS Ping RIP> <Disable Enable>	Mail log functionality	

ACCESS-LIST part level II

access-list	standard <1~4>	add <Deny Permit Count> <ip/mask Any>			Add new access control rule
		delete [1~1 All]			Delete access control rule
		modify <1~1> <Deny Permit Count> <ip/mask Any>			Modify access control rule properties
		reset_counter [1~1]			Reset access control rule counter
		default_action <Deny Permit>			Access-list default action
		policy <1~1> <1~65535>			Assign policy number to access control rule
	extended <1~4>	add <1~65534> <Deny Permit Count> <TCP UDP>	from <ip/mask Any> <port_str Any>	to <ip/mask Any> <port_str Any>	<CR> Access control rule
		add <1~65534> <Deny Permit Count> <ICMP>	from <ip/mask Any>	to <ip/mask Any>	<CR> type_code <0~18 Don'tCare> <0~15 Don'tCare> Access control rule ICMP type, code
		add <1~65534> <Deny Permit Count> <IP>	from <ip/mask Any>	to <ip/mask Any>	<CR> Access control rule
		delete [1~250 All]			Delete access control rule
		modify <1~250> <Deny Permit Count> <TCP UDP>	from <ip/mask Any> <port_str Any>	to <ip/mask Any> <port_str Any>	<CR> Modify access control rule
		modify <1~250> <Deny Permit Count> <ICMP>	from <ip/mask Any>	to <ip/mask Any>	<CR> type_code <0~18 Don'tCare> <0~15 Don'tCare> Modify access control rule ICMP type, code
		modify <1~250> <Deny Permit Count> <IP>	from <ip/mask Any>	to <ip/mask Any>	<CR> Modify access control rule
		reset_counter [1~250]			Reset access control rule counter
		default_action <Deny Permit>			Access-list default action
		policy <1~250> <1~65535>			Assign policy number to access control rule
	device-filter <1~4>	add <Deny Permit> <hex>			Add new device-filter rule
		delete [1~32 All]			Delete device-filter rule
		modify <1~32> <Deny Permit> <hex>			Modify device-filter rule properties
		default_action <Deny Permit>			Device-filter default action

		<code>policy <1~32> <1~65535></code>	Assign policy number to access control rule	
URL_list		<code>add <keyword></code>	Add new blocking site or keyword	
		<code>delete <1~30></code>	Delete blocking site or keyword	
		<code>modify <1~30> <keyword></code>	Modify blocking site or keyword	
	schedule	add	<code>everyday_start <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule start time
<code>everyday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>sunday_start <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule start time	
<code>sunday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>monday_start <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule start time	
<code>monday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>tuesday_start <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule start time	
<code>tuesday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>wednesday_start <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule start time	
<code>wednesday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>thursday_start <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule start time	
<code>thursday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>friday_start <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule start time	
<code>friday_end <0~23 Don'tCare> <0~59 Don'tCare></code>			Config schedule end time	
<code>saturday_start <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule start time		
<code>saturday_end <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule end time		
		<code>func <Disable Enable></code>	Enable this schedule rule	
		<code>name <name> [string]</code>	Schedule name and comment	
		<code>delete <1~10></code>	Delete schedule rule	
		modify <1~10>	<code>everyday_start <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule start time
			<code>everyday_end <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule end time
			<code>sunday_start <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule start time
			<code>sunday_end <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule end time
			<code>monday_start <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule start time
			<code>monday_end <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule end time
			<code>tuesday_start <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule start time
			<code>tuesday_end <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule end time
	<code>wednesday_start <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule start time	
	<code>wednesday_end <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule end time	
	<code>thursday_start <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule start time	
	<code>thursday_end <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule end time	
	<code>friday_start <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule start time	
	<code>friday_end <0~23 Don'tCare> <0~59 Don'tCare></code>		Config schedule end time	
	<code>saturday_start <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule start time		
	<code>saturday_end <0~23 Don'tCare> <0~59 Don'tCare></code>	Config schedule end time		
	<code>func <Disable Enable></code>	Enable this schedule rule		
	<code>name <name> [string]</code>	Schedule name and comment		

INSPECT part level II

inspect	name <rule-name>	<Frag TCP UDP FTP H323 TFTP L2TP SIP>	<CR>	Modify inspection rule	
			disable <CR>	Disable specific protocol inspection function	
	name_delete <1~4>			Delete inspection rule	
	tcp	synwait-time <1~120>			TCP session to be established waiting time
		finwait-time <1~60>			TCP session to be closed waiting time
		idle-time <1800~7200>			TCP session idle timeout
	udp	idle-time <1~120>			UDP session idle timeout
	max-incomplete	high <1~300>			Maximum existing half-open sessions
		low <1~250>			Minimum existing half-open sessions
	one-minute	high <1~250>			Maximum rate of new half-open session
		low <1~200>			Minimum rate of new half-open session
	port_scan_defect <50~5000>	<1~150>			'Port Scan/Flooding' defect sensitive criteria
	fragment <10~60000>	<1~150>	<1~120>		Fragmentation half-open entry threshold
	block-time <0~30000>				Flood hacker blocking time
h323-timeout <0~3600>				H.323 data channel idle timeout	

ROUTE part level II

route	static	add <network_ip> <netmask> <gateway_ip>		Add static route entry		
		delete <1-20>		Delete static route entry		
	rip	generic <1~4>	generic <Disable Enable> <Disable Enable>		Config operation and auto summary mode	
			version <None RIP1 RIP2>		Config RIP protocol version	
			attrib <Disable Enable Silent> <None PASSWORD MD5> <Disable Enable>		Config operation, authentication and Poison reverse mode	
			authenticate <string>		Config authentication code	
			wlan <1~1>	version <None RIP1 RIP2>		Config RIP protocol version
				attrib <Disable Enable Silent> <None PASSWORD MD5> <Disable Enable>		Config operation, authentication and Poison reverse mode
				authenticate <string>		Config authentication code
			atm <1~8>	version <None RIP1 RIP2>		Config RIP protocol version
				attrib <Disable Enable Silent> <None PASSWORD MD5> <Disable Enable>		Config operation, authentication and Poison reverse mode
				authenticate <string>		Config authentication code

DHCP part level II

dhcp	server_generic	interface <interface>		DHCP server activate interface
		gateway <ip>		Default gateway for DHCP client

		<code>netmask <netmask></code>	Subnet mask for DHCP client
		<code>ip_range <ip> <1~222></code>	Dynamic assigned IP address range
		<code>name_server <ip> [ip] [ip]</code>	Domain name servers
		<code>lease_time <-1~1209600></code>	Lease time (seconds)
		<code>service <Disable Enable></code>	Trigger DHCPD service
	<code>fixed</code>	<code>add <mac> <ip></code>	Add a fixed host entry
		<code>delete <1~10></code>	Delete a fixed host entry
		<code>client_release <ip></code>	Release DHCP client(Ref.'monitor dhcp_client' command)
		<code>client <Disable Enable></code>	DHCP client functionality
		<code>client_interface <interface></code>	DHCP client activate interface number

DNS part level II

<code>dns</code>		<code>proxy_func <Disable Enable></code>	Enable or disable DNS Proxy function
		<code>server <ip> [ip] [ip]</code>	DNS servers

DDNS part level II

<code>ddns</code>		<code>func <Disable Enable></code>	Dynamic DNS functionality
		<code>provider <DynDNS.org TZO.com></code>	Dynamic DNS Provider
		<code>domain_name <domain></code>	Dynamic Domain Name
		<code>account <address></code>	Account (Email address)
		<code>password <password></code>	Passowrd for Account

SNMP part level II

<code>snmp</code>	<code>community <1~5></code>	<code>modify <Disable Enable> <string></code> <code><Read Write Read_Write Deny></code>	Edit community entry
		<code>delete <CR></code>	Delete community entry
	<code>trap <1~5></code>	<code>modify <Disable 1 2> <ip> <string></code>	Edit trap host parameter
		<code>delete <CR></code>	Delete trap host entry

MAIL part level II

<code>mail</code>	<code>generic</code>	<code>smtp <domain></code>	Sharing account's SMTP server address
		<code>pop3 <domain></code>	Sharing account's POP3 server address
		<code>mail <address></code>	Sharing account's E-mail address
		<code>account <name></code>	POP3 server access account
		<code>password <pass_set0></code>	POP3 server access password

CHUSER part level III

chuser	max_user <1~5>		Maximum allow telnet access user number	
	telnet_port <1~54999>		Telnet TCP port config	
	user_profile	add	attrib <13~30> <Command Menu> <VT100 ANSI Linux XTerm>	Client attributes
			source <1~16 Pool Unlimited Subnet>	Legal client IP address index or type
			privilege <User Conf> <User Conf Root Unlimited>	User login privilege and maximum allow privilege
			profile <name> <pass_conf>	Setting username and password
		delete <2~5>	Delete user profile	
	address_control	modify <1~5>	attrib <13~30> <Command Menu> <VT100 ANSI Linux XTerm>	Client attributes
			source <1~16 Pool Unlimited Subnet>	Legal client IP address index or type
			privilege <User Conf> <User Conf Root Unlimited>	User login privilege and maximum allow privilege
			profile <name> <pass_conf>	Setting username and password
	address_control	modify <1~16>	entry_edit <network_ip> <netmask> <Deny Permit>	Modify adress control pool
		delete <1~16>	Delete address control	
		default_act <Deny Permit>	Default access control action	
remote_subnet <ip> <netmask>		Remote management address & netmask		
login_timeout <0~1440>		Login timeout (minutes)		
remote_login <Disable Enable Disable_Lan>		Remote management function disable or enable		

UPNP part level II

upnp <Disable Enable>	Enable or disable Universal Plug and Play
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VOIP_SIP part level II

voip_sip	phone_config <1~4>	phone_valid <Disable Enable>	Enable or disable Phone
		phone_number <string>	Phone Number
		display_name <string>	Display Name
		sip_domain <ip domain>	SIP Domain
		account <string> <sting> <pass_set1>	Account : Realm Username Password
		listen_port <1~65534>	SIP listening port
	sip_server	call_waiting <Disable Enable>	Enable or disable Support Call Waiting
		sip_proxy <ip domain> <1~65534>	Proxy IP Address and Port
		sip_registrar <ip domain> <1~65534>	Registrar IP Address and Port
		expire_time <number>	Expire Time
	advanced_config	call_waiting <Disable Enable>	Enable or disable Support Call Waiting

		<code>caller_id <Disable Enable></code>	Enable or disable Caller-ID Presentation
		<code>user_agent <Disable Enable></code>	Enable or disable Support User-Agent Header
		<code>dtmf <Disable Enable></code>	Enable or disable Support RFC 2833 (DTMF out of band)
		<code>call_hold_version <RFC2543 RFC3264></code>	Config Call Hold Version
		<code>tone_country <Japan USA France Germany Spain Taiwan Canada Italy Belgium></code>	Config Telephony Tone Country
		<code>hook_flash_timer <number></code>	Config Telephony Hook Flash Timer
		<code>voip_tone <Disable Enable></code>	Enable or disable different dial tone for VoIP
	codec	<code>add_codec <G7231 G711Ulaw G711Alaw G729></code>	Add Codec
		<code>del_codec <G7231 G711Ulaw G711Alaw G729></code>	Delete Codec
		<code>codec_pri <G7231 G711Ulaw G711Alaw G729><1~4></code>	Modify Codec Priority
port_config <1~4>		<code>volume_gain <Off Fixed Adaptive></code>	Config Volume Gain
		<code>gain_input <number></code>	Config Gain Input
		<code>gain_output <number></code>	Config Gain Output
		<code>gain_adapt <number></code>	Config Gain Adapt
		<code>jitter_buffer <Off Fixed Adaptive Sequential></code>	Config Jitter Buffer
		<code>delay <number></code>	Config Fixed Delay
		<code>echo_canceller <Off 08MS 16MS 32MS 48MS 64MS></code>	Config Echo Canceller
		<code>comfort_noise <Off On></code>	On or Off Comfort Noise Generation
		<code>voice_detect <Off On></code>	On or Off Voice Activity Detector
		<code>packet_loss <Disable Enable></code>	Enable or disable Packet Loss Compensation
dial_plan		<code>add_call_prefix <Disable Enable></code>	Enable or disable Automatically Ahead all PSTN-number
		<code>call_prefix <number></code>	Phone number of the call-by-call-provider
		<code>add <number> <connect_code></code>	Add dial plan rule
		<code>modify <number> <connect_code></code>	Modify dial plan rule
		<code>delete <number></code>	Delete dial plan rule
quick_dial		<code>delete_all <CR></code>	Delete all dial plan rule
		<code>add <1~20> <string> <string></code>	Add quick dial rule
		<code>modify <1~20> <string> <string></code>	Modify quick plan rule
		<code>delete <1~20></code>	Delete quick plan rule
		<code>delete_all <CR></code>	Delete all quick plan rule
		<code>active <CR></code>	Active the changes

VOIP_QOS part *level II*

voip_qos		<code>state <Disable Enable></code>	Disable or Enable VOIP QOS
		<code>bind <By_Routing VC_1 VC_2 VC_3 VC_4 VC_5 VC_6 VC_7 VC_8></code>	Config VOIP QOS route parameter

QOS part

level II

qos	outbound <Disable Enable>		Disable or Enable outbound control	
	bandwidth <BE AF1 AF2 AF3 AF4 EF> <0~100> <Disable Enable>		Config bandwidth allocation	
	classify	add	src <mac_str ip_range thisrouter any> dst <ip_range any> tfc <FTP VoIP E-MAL SNMP TELNET WWW VPN IP> dscp <any notany> <0x00~0xFF> mapeto <BE AF1 AF2 AF3 AF4 EF> <remark notremark> <0x00~0xFF> outvc <0~8>	Add classify rule
		<string>	src <mac_str ip_range thisrouter any> dst <ip_range any> tfc <TCP UDP> localport <port_str> remoteport <port_str> dscp <any notany> <0x00~0xFF> mapeto <BE AF1 AF2 AF3 AF4 EF> <remark notremark> <0x00~0xFF> outvc <0~8>	
		modify	rule_name <string> src <mac_str ip_range thisrouter any> dst <ip_range any> tfc <FTP VoIP E-MAL SNMP TELNET WWW VPN IP> dscp <any notany> <0x00~0xFF> mapeto <BE AF1 AF2 AF3 AF4 EF> <remark notremark> <0x00~0xFF> outvc <0~8>	Modify classify rule
		<1~16>	rule_name <string> src <mac_str ip_range thisrouter any> dst <ip_range any> tfc <TCP UDP> localport <port_str> remoteport <port_str> dscp <any notany> <0x00~0xFF> mapeto <BE AF1 AF2 AF3 AF4 EF> <remark notremark> <0x00~0xFF> outvc <0~8>	
	delete <string>		Delete classify rule	
	moveup <string>		Move classify rule up	
	movedown <string>		Move classify rule down	
	active <CR>		Active the changes	

NETBIOS part

level II

netbios	func <Disable Enable>	NetBIOS file server function
	remote_access <Disable Enable>	Allow remote access to NetBIOS file server

	<code>name <name></code>	Device name for NetBIOS server
	<code>group_name <name></code>	Workgroup name for NetBIOS server
	<code>description <string></code>	Device description
<code>share_profile <1~10></code>	<code>name <name></code>	Share name string
	<code>description <string></code>	Description of share resource
	<code>volume <0~32></code>	Volume ID of sharing path
	<code>path <path></code>	Root sharing path
	<code>secure <Disable Enable> <RO FUL DEP></code>	Enable or disable password protect
	<code>read_pass [pass_set0]</code>	Read-only password (Empty for don't check)
	<code>full_pass [pass_set0]</code>	Full access password (Empty for don't check)
	<code>func <Disable Enable></code>	Share resource function disable or enable
	<code>type <Printer Disk></code>	Share resource type, printer or disk
	<code>usb_disk1 <1~7></code>	Volume bind share profile index
	<code>usb_disk2 <1~7></code>	Volume bind share profile index
	<code>paper_out_wait <0~150></code>	Paper out waiting time (sec.)
	<code>spooler</code>	Print job spooling configuration

STORAGE part level II

<code>storage</code>	<code>usb_disk1</code>	<code>volume</code>	<code>mount <1~32> <Disable Enable></code>	<code>mount <1~32> <Disable Enable></code>
		<code>unplug <CR></code>		Unplug USB disk 1 device
	<code>usb_disk2</code>	<code>volume</code>	<code>mount <1~32> <Disable Enable></code>	USB disk volume mount

SHOW part level I

<code>show</code>	<code>run <CR></code>	Show all configuration
	<code>configuration <CR></code>	Show all configuration in command script
	<code>system <CR></code>	Show common system configuration
	<code>vc <CR></code>	Show ATM virtual circuit configuration
	<code>interface [LAN WAN]</code>	Show interface configuration
	<code>mail <CR></code>	Show mail configuration
	<code>ppp [Generic Users Pool IP_Pool]</code>	Show PPP configuration
	<code>ip_share [AddressMapping VirtualServer SpecialAP NAT]</code>	Show IP address sharing configuration
	<code>dhcp [Server Fixed Client]</code>	Show DHCP configuration
	<code>ddns <CR></code>	Show Dynamic DNS configuration
	<code>route [Static RIP]</code>	Show routing configuration
	<code>bridge [Generic Static STP]</code>	Show bridging configuration
	<code>dial <CR></code>	Show Dial configuration
	<code>wLAN [Generic WEP MAC WPA 802.1x status WDS]</code>	Show wireless LAN configuration
	<code>firewall_func [Generic DMZ]</code>	Show firewall function configuration
	<code>access-list [1~4]</code>	Show access control rules pool
	<code>inspect [Generic Rule]</code>	Show access control rules pool

	<code>user [Generic Profile Pool]</code>	Show configuration parameters and users profile
	<code>voip_sip [phone server advanced port dial_plan quick_dial]</code>	Show VOIP SIP profile
	<code>qos [traffic_ctrl classify statistics]</code>	Show QoS profile
	<code>netbios [Generic usb1_binding usb2_binding share_profile]</code>	Show NetBIOS file server configuration
	<code>storage [usbdisk1 usbdisk2]</code>	Show storage device info

MONITOR part level I

monitor	<code>route <CR></code>	Monitor routing table
	<code>netbios_pool <Basic Advance></code>	Monitor NetBIOS name database
	<code>adsl [Status Statistics]</code>	Monitor ADSL router running status or statistics
	<code>interface [Status ATM Ethernet]</code>	Monitor interface status or statistics
	<code>user <CR></code>	Monitor login user information
	<code>access-list <1~4></code>	Monitor access control rules pool
	<code>inspect [Frag TCP UDP]</code>	Monitor inspection run-time pool
	<code>syslog [Alert Log]</code>	Monitor firewall alert or system log
	<code>dhcp_client <CR></code>	Monitor DHCP client request address pool
	<code>socket [TCP UDP ICMP]</code>	Monitor socket run-time information
	<code>dns <CR></code>	Monitor DNS cache table

UPGRADE part level III

upgrade	<code>all <ip Xmodem> [file]</code>	Upgrade firmware image
	<code>kernel <ip Xmodem> [file]</code>	Upgrade kernal run-time code image
	<code>web_image <ip Xmodem> [file]</code>	Upgrade web image file
	<code>conf_file <ip Xmodem> [file]</code>	Upgrade configuration file
	<code>boot_code <ip Xmodem> [file]</code>	Upgrade boot code

BACKUP part level III

backup	<code>conf_file <ip Xmodem> [file]</code>	Backup configuration file
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level I

<code>passwd [username] [old_pass] [new_pass]</code>	Change user password
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level II

<code>default_reset <CR></code>	Reset system configuration to default status
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level II

<code>write [reboot exit]</code>	Write configuration and restart system
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level II

`reboot <CR>`

Restart system

level I

`enable <CR>`

Enable configuration mode

level I

`su <password>`

Change to super user(root) mode

level I

`ping <ip|domain> [1~65534|-t] [1~1999]`

Ping test

level I

`tracert <ip|domain> [option1] [option2]`

Trace route utility

level I

`exit <CR>`

exit <CR>