



DAP-2360

AirPremier N Dual Band PoE Access Point Command Line Interface Reference Manual

Second Edition (October 2009)



RECYCLABLE

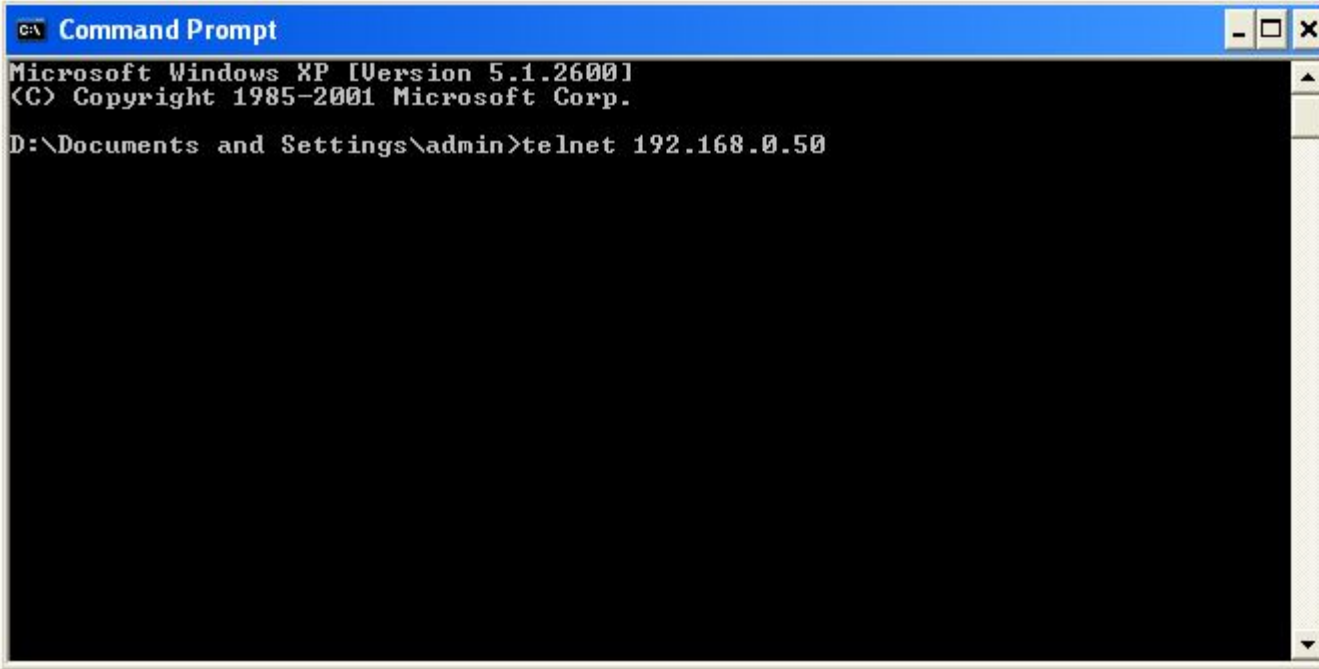
Table of Contents

Using the CLI	1
Wireless Commands.....	9
LAN Commands	16
WLAN Partition Commands.....	17
SNTP Commands.....	18
TFTP Commands	19
DHCP Server Commands	20
Limit Administrator Commands.....	24
Intrusion Commands	25
Multiple SSID and VLAN Commands	26
IGMP Commands	30
Traffic Control	31
System Log Commands.....	32
Access Control List Commands.....	34
Schedule Commands	35
SNMP Commands	36
Utility and Miscellaneous Commands.....	37

First-Time Configuration Examples	39
---	----

USING THE CLI

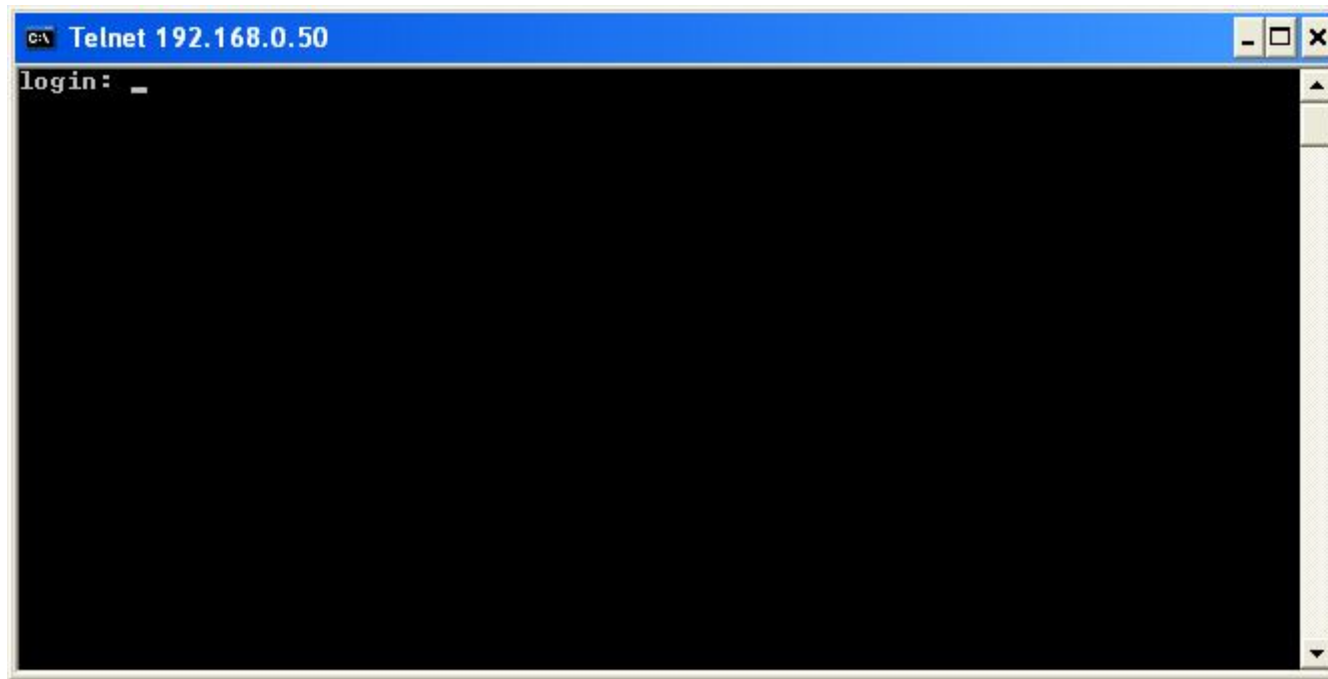
The DAP-2360 can be accessed by Telnet. Using a Microsoft Windows system as an example, open the Command Prompt on the computer that will be used for configuring and managing the AP and enter **telnet** and the IP address of DAP-2360 in the first line. Using the default IP address as example, enter **telnet 192.168.0.50** to cause the following screen to open:



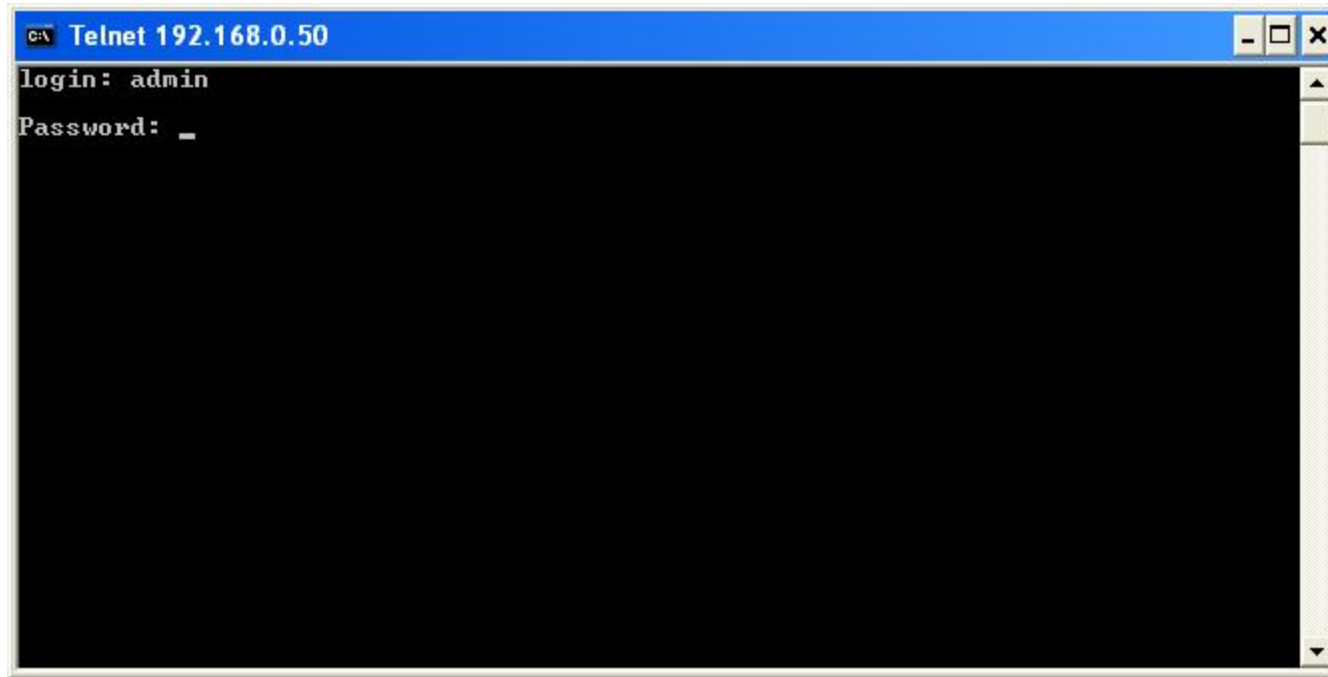
```
C:\> Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

D:\Documents and Settings\admin>telnet 192.168.0.50
```

Press Enter in the screen above. The following screen opens:

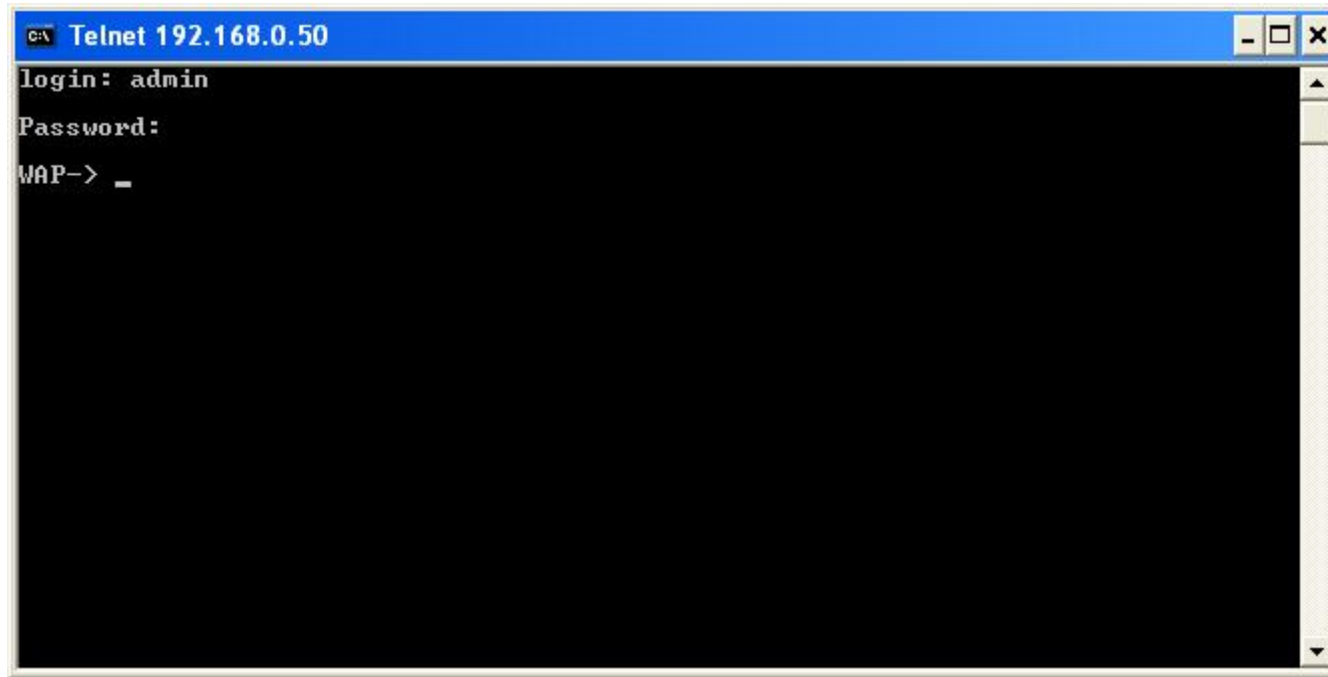


Type **admin** for the D-Link Access Point login username in the screen above and press Enter. The following screen opens:

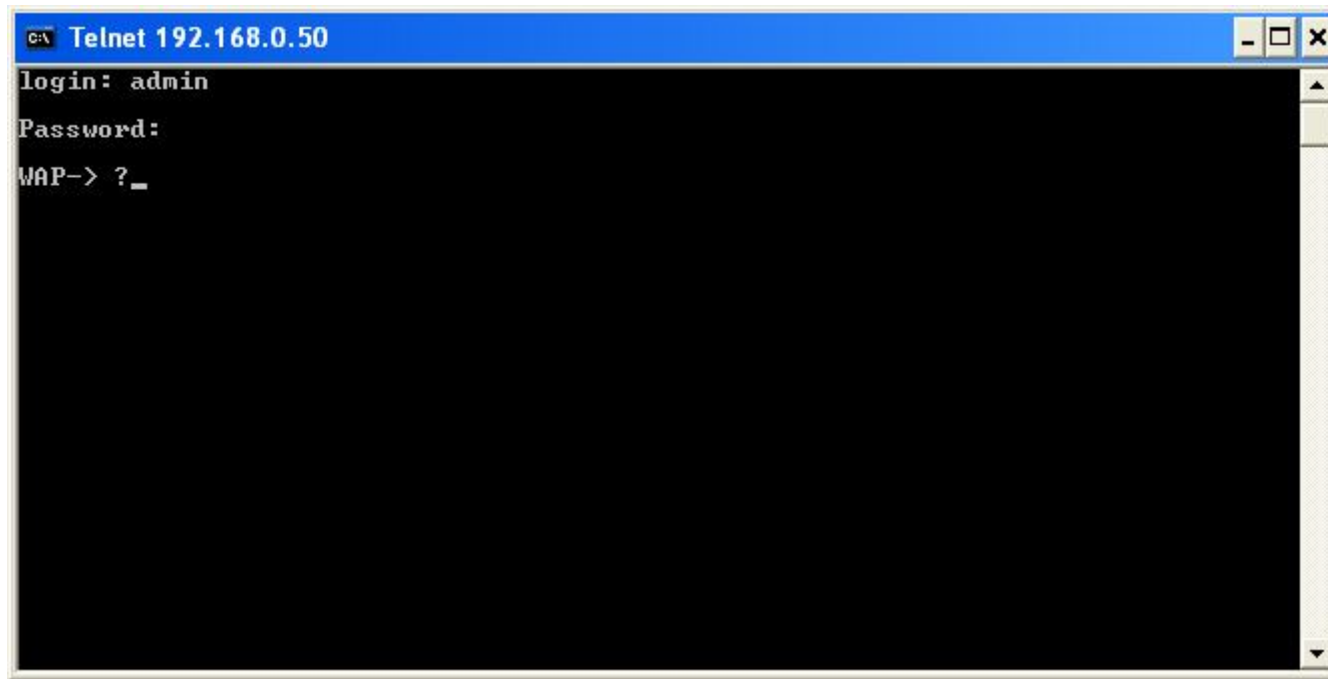


Press Enter as there is no initial password.

The following screen opens to indicates you have successfully logged into the Access Point.

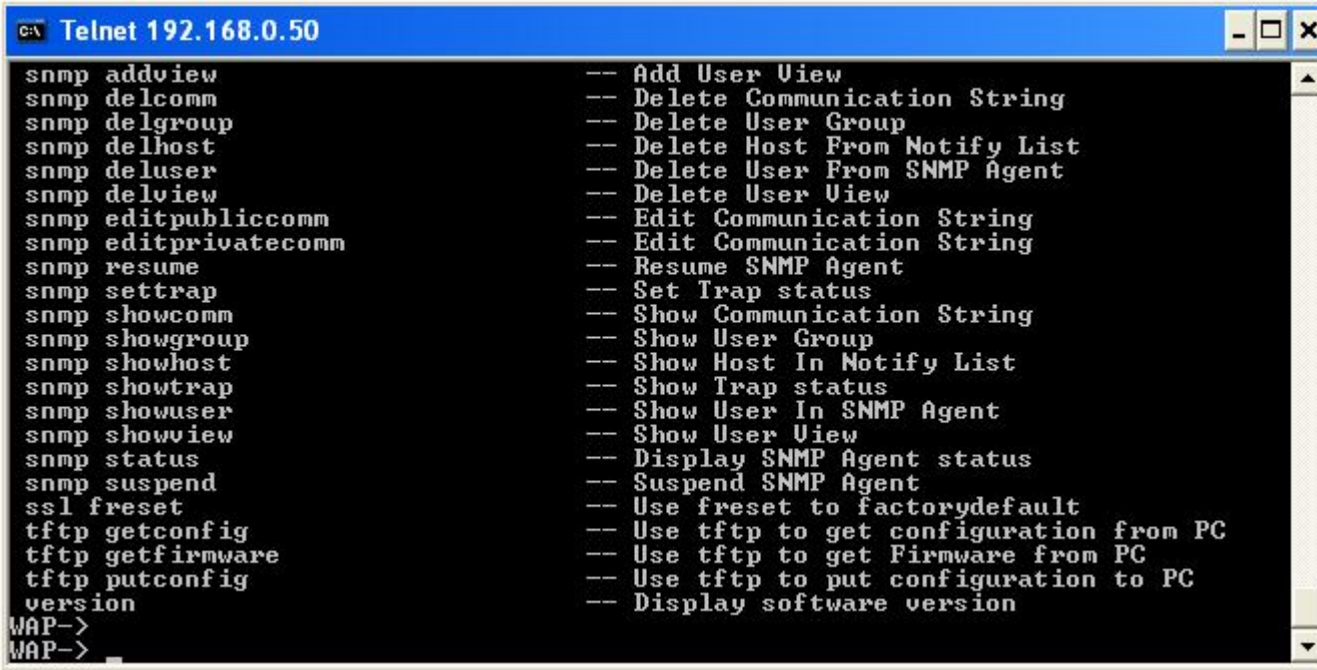


Commands are entered at the command prompt, WAP- >



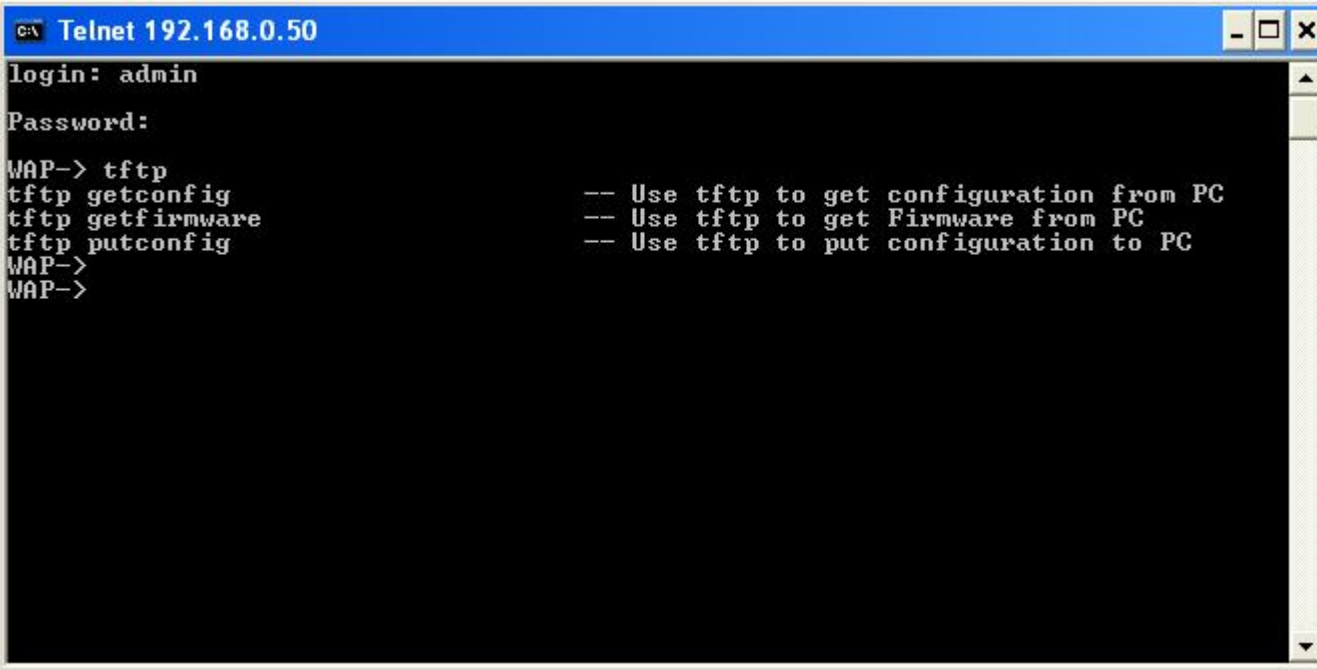
There are a number of helpful features included in the CLI. Entering the `?` command and then pressing Enter will display a list of all of the top-level commands. The same information can also be displayed by entering **help**.

Press Enter to see a list of all the available commands. Alternatively, you may enter **help** and then press Enter.

A screenshot of a Telnet window titled "C:\ Telnet 192.168.0.50". The window displays a list of commands and their descriptions, with the command "tftp" highlighted. The list includes: snmp addview (Add User View), snmp delcomm (Delete Communication String), snmp delgroup (Delete User Group), snmp delhost (Delete Host From Notify List), snmp deluser (Delete User From SNMP Agent), snmp delview (Delete User View), snmp editpubliccomm (Edit Communication String), snmp editprivatecomm (Edit Communication String), snmp resume (Resume SNMP Agent), snmp settrap (Set Trap status), snmp showcomm (Show Communication String), snmp showgroup (Show User Group), snmp showhost (Show Host In Notify List), snmp showtrap (Show Trap status), snmp showuser (Show User In SNMP Agent), snmp showview (Show User View), snmp status (Display SNMP Agent status), snmp suspend (Suspend SNMP Agent), ssl freset (Use freset to factorydefault), tftp getconfig (Use tftp to get configuration from PC), tftp getfirmware (Use tftp to get Firmware from PC), tftp putconfig (Use tftp to put configuration to PC), and version (Display software version). At the bottom, the prompt "WAP->" is shown twice, indicating the user is in a configuration mode.

```
C:\ Telnet 192.168.0.50
snmp addview          -- Add User View
snmp delcomm          -- Delete Communication String
snmp delgroup         -- Delete User Group
snmp delhost          -- Delete Host From Notify List
snmp deluser          -- Delete User From SNMP Agent
snmp delview          -- Delete User View
snmp editpubliccomm   -- Edit Communication String
snmp editprivatecomm  -- Edit Communication String
snmp resume           -- Resume SNMP Agent
snmp settrap          -- Set Trap status
snmp showcomm         -- Show Communication String
snmp showgroup        -- Show User Group
snmp showhost         -- Show Host In Notify List
snmp showtrap         -- Show Trap status
snmp showuser         -- Show User In SNMP Agent
snmp showview         -- Show User View
snmp status           -- Display SNMP Agent status
snmp suspend          -- Suspend SNMP Agent
ssl freset            -- Use freset to factorydefault
tftp getconfig        -- Use tftp to get configuration from PC
tftp getfirmware      -- Use tftp to get Firmware from PC
tftp putconfig        -- Use tftp to put configuration to PC
version              -- Display software version
WAP->
WAP->
```

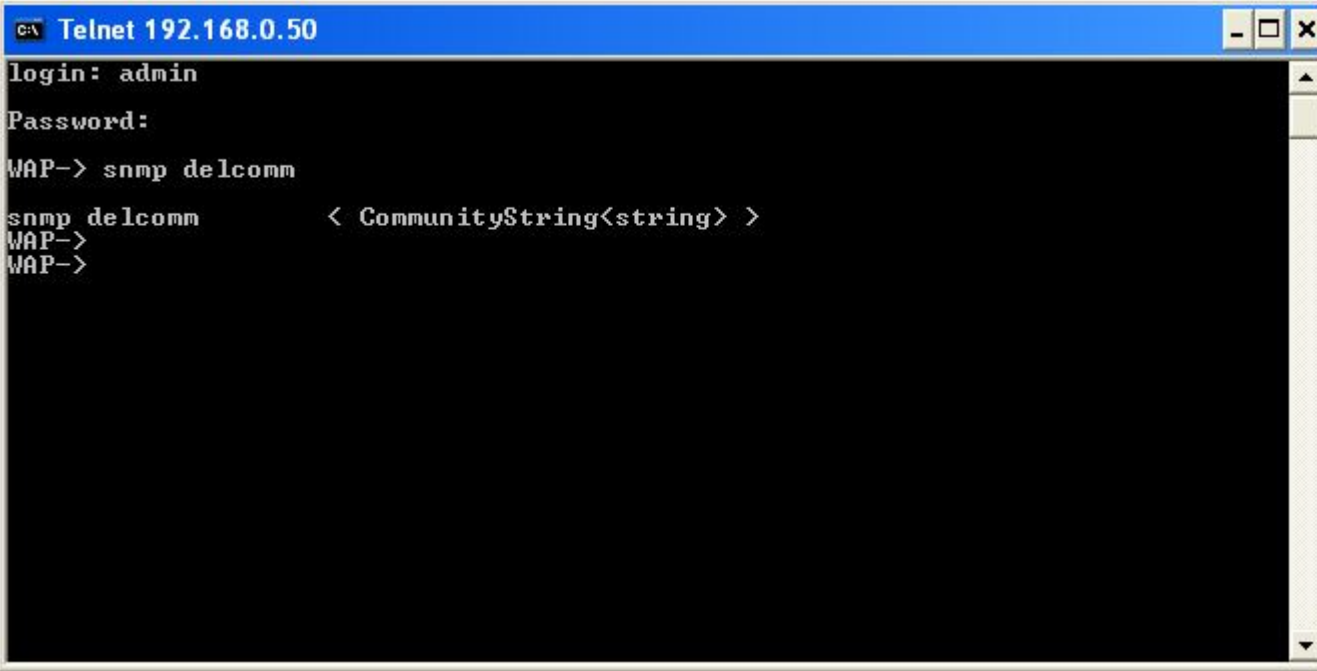
When you enter a command without all of its required parameters, the CLI will prompt you with a list of possible completions. For example, if **tftp** was entered, the following screen opens:



```
C:\> Telnet 192.168.0.50
login: admin
Password:
WAP-> tftp
tftp getconfig          -- Use tftp to get configuration from PC
tftp getfirmware       -- Use tftp to get Firmware from PC
tftp putconfig         -- Use tftp to put configuration to PC
WAP->
WAP->
```

This screen displays all the possible command completions for **tftp**.

When you enter a command without a variable or value that needs to be specified, the CLI will prompt you with further information about what is needed to complete the command. For example, if **snmp delcomm** was entered, the following screen opens:

A screenshot of a Telnet window titled "C:\ Telnet 192.168.0.50". The window contains a command-line interface with the following text:

```
login: admin
Password:
WAP-> snmp delcomm
snmp delcomm      < CommunityString<string> >
WAP->
WAP->
```

The missing value for the **snmp delcomm** command, "CommunityString<string>," is displayed in the screen above.

WIRELESS COMMANDS

Wireless Commands	Description
get array-sync-ssid	Display AP Array sync ssid state
get array-sync-ssidhidden	Display AP Array sync ssidhidden state
get array-sync-autochannel	Display AP Array sync autochannel state
get array-sync-channelwidth	Display AP Array sync channelwidth state
get array-sync-security	Display AP Array sync security state
get array-sync-fixedrate	Display AP Array sync fixedrate state
get array-sync-beaconinterval	Display AP Array sync beaconinterval state
get array-sync-dtim	Display AP Array sync dtim state
get array-sync-txpower	Display AP Array sync txpower state
get array-sync-wmm	Display AP Array sync wmm state
get array-sync-acktimeout	Display AP Array sync acktimeout state
get array-sync-shortgi	Display AP Array sync shortgi state
get array-sync-igmpsnoop	Display AP Array sync igmpsnoop state
get array-sync-connectionlimit	Display AP Array sync connectionlimit state
get array-sync-linkintegrity	Display AP Array sync linkintegrity state
get array-sync-multissid	Display AP Array sync multissid state
get array-sync-multissid_hidden	Display AP Array sync multissid_hidden state
get array-sync-multisecurity	Display AP Array sync multiwmm state
get array-sync-multiwmm	Display AP Array sync multiwmm state
get array-sync-qos	Display AP Array sync qos state

get array-sync-vlan	Display AP Array sync vlan state
get array-sync-schedule	Display AP Array sync schedule state
get array-sync-time	Display AP Array sync time state
get array-sync-log	Display AP Array sync log state
get array-sync-adminlimit	Display AP Array sync adminlimit state
get array-sync-system	Display AP Array sync system state
get array-sync-consoleprotocol	Display AP Array sync consoleprotocol state
get array-sync-snmp	Display AP Array sync snmp state
get array-sync-pingctl	Display AP Array sync pingctl state
get array-sync-dhcp	Display AP Array sync dhcp state
get array-sync-login	Display AP Array sync login state
get array-sync-acl	Display AP Array sync acl state
get array-sync-band	Display AP Array sync band state
get beaconinterval	Display beacon interval
get channel	Display channel
get cipher	Display encryption cipher
get clientinfo	Display client information
get cwm	Display CWM
get defkeyindex	Display default key index
get dtim	Display DTIM
get fixedrate	Display fixed rate
get groupkeyupdate	Display group key update interval (in seconds)
get keyentrymethod	Display encryption key entry method (index: 1-4)
get keylength	Display encryption key length (in bits) (index: 1-4]
get macclonetype	Display MAC address clone type
get maccloneaddr	Display MAC clone address
get shortgi	Display shortgi

get ssid	Display Service Set ID
get ssidhidden	Display SSID hidden
get txpower	Display TX power
get wdsinfo	Display WDS information
get wdsmac	Display WDS MAC address list
get wdsscaninfo	Display WDS site survey info
set wds-pvid	Set PVID of WDS[index]
get wds-pvid	Get PVID of WDS[index]
set wds-groupvid	Set group VID of WDS[index]
get wds-groupvid	Get group VID of WDS[index]
get wireless	Display wireless
get wlmode	Display wireless mode
get wmm	Display WMM
set acktimeout_g	Set acktimeput in G band (range:64--200)
set aparray-state	Set AP Array state
set aparray-state enable	Enable array state
set aparray-state disable	Disable array state
set arrayname	Set AP array name
set arrayrole	Set AP Array role[master:1, backup master:2, slaver:3]
set arrayrole Master	Array role is master
set arrayrole BackupMaster	Array role is backup master
set arrayrole Slaver	Array role is slave
set array_syncnode_enable	set array_syncnode enable
set array_syncnode_disable	set array_syncnode disable
set arraypassword	Set AP array password
set apmode	Set AP Operate Mode
set apmode AP	AP mode

set apmode APC	Wireless client mode
set apmode WDSAP	WDS with AP mode
set apmode WDS	WDS without AP mode
set assoclimit	Set Association Limit
set assoclimit enable	Enable ASSOC limit
set assoclimit disable	Disable ASSOC limit
set assoclimit number	Set ASSOC limit number
set authentication	Set Authentication Type
set authentication open-system	Set authentication type to Open-System
set authentication shared-key	Set authentication type to Shared-Key
set authentication wpa-eap	Set authentication type to WPA-EAP
set authentication wpa-psk	Set authentication type to WPA-PSK
set authentication wpa2-eap	Set authentication type to WPA2-EAP
set authentication wpa2-psk	Set authentication type to WPA2-PSK
set authentication wpa2-auto-eap	Set authentication type to WPA/WPA2-EAP
set authentication wpa2-auto-psk	Set authentication type to WPA/WPA2-PSK
set autoChannel	Set AutoChannel
set autoChannel enable	Enable auto channel
set autoChannel disable	Disable auto channel
set autorekey	Set autorekey enable
set beaconinterval	Set beacon interval (range: 25-500)
set channel	Set channel (1-11)
set cipher	Set Cipher of wep,tkip,aes, or auto
set cipher no	Disable wireless security
set cipher wep	Set cipher of WEP
set cipher aes	Set cipher of AES
set cipher tkip	Set cipher of TKIP

set cipher auto	Set cipher of auto (AES/TKIP)
set cwm	Set CWM
set cwm auto	CWM auto
set cwm 20MHz	CWM 20MHz
set defkeyindex	Set default key Index (1-4)
set dtim	Set DTIM (1-15)
set 2.4g-fixedrate	Set Fixed Rate
set 2.4g-fixedrate auto	Set fixed rate to auto
set 2.4g-fixedrate 54M	Set fixed rate to 54M
set 2.4g-fixedrate 48M	Set fixed rate to 48M
set 2.4g-fixedrate 36M	Set fixed rate to 36M
set 2.4g-fixedrate 24M	Set fixed rate to 24M
set 2.4g-fixedrate 18M	Set fixed rate to 18M
set 2.4g-fixedrate 12M	Set fixed rate to 12M
set 2.4g-fixedrate 9M	Set fixed rate to 9M
set 2.4g-fixedrate 6M	Set fixed rate to 6M
set 2.4g-fixedrate 11M	Set fixed rate to 11M
set 2.4g-fixedrate 5.5M	Set fixed rate to 5.5M
set 2.4g-fixedrate 2M	Set fixed rate to 2M
set 2.4g-fixedrate 1M	Set fixed rate to 1M
set groupkeyupdate	Set Group Key Update Interval (in Secs: 300-9999999)
set key	Set encryption key index (1-4)[value]
set keyentrymethod	Select Encryption Key Entry Method of key [index 1--4]
set keyentrymethod hexadecimal	Key contains (0 - 9, a - f, A - F)
set keyentrymethod asciitext	Key contains keyboard characters
set keylength	Set Encryption Key Length of key Index [1--4]
set keylength 64Bit	Key index (1-4) Set 64-bit encryption key

set keylength 128Bit	Key index (1-4) Set 128-bit encryption key
set macclonetype	Set MAC address clone type
set maccloneaddr	Set MAC clone address
set passphrase	Modify passphrase (size: 8-63)
set shortgi	Set Shortgi
set shortgi enable	Enable shortgi
set shortgi disable	Disable shortgi
set ssid	Set Service Set ID
set ssidhidden	Set SSID hidden
set ssidhidden enable	Enable SSID hidden
set ssidhidden disable	Disable SSID hidden
set txpower	Set TX power
set txpower 100%	TX power 100%
set txpower 50%	TX power 50%
set txpower 25%	TX power 25%
set txpower 12.5%	TX power 12.5%
set wdsmacadd	Add WDS MAC Addr <macaddress xx:xx:xx:xx:xx:xx> [index]
set wdsmacdel	DEL WDS MAC Addr[index]
set wdsscan	Set WDS site survey
set wireless	Set wireless
set wireless enable	Enable wireless
set wireless disable	Disable wireless
set wlmode	Set wireless mode
set wlmode ngb	Wireless mode mixed n/b/g
set wlmode only-n2.4G	Wireless mode 802.11n with 2.4 GHz
set wlmode gb	Wireless mode mixed 80211b and 802.11g
set wmm	Set WMM

set wmm enable	Enable WMM
set wmm disable	Disable WMM

LAN COMMANDS

LAN Commands	Description
set arpspoofing	Set ARP Spoofing
get arpspoofing	Display ARP Spoofing
get ethernetcount	Display Ethernet count
get gateway	Display gateway IP address
get ipaddr	Display IP address
get ipmask	Display IP subnet mask
get ipmode	Display IP mode
set gateway	Set gateway IP address
set ipaddr	Set IP address
set ipmask	Set IP subnet mask
set ipmode static	Static mode
set ipmode dynamic	DHCP mode

WLAN PARTITION COMMANDS

WLAN Partition Commands	Description
get ethlink	Display Ethernet integration
get ethernet_partition	Display ethernet_partition
set ethernet_partition	Set ethernet_partition
set ethernet_partition enable	Enable Ethernet_partition
set ethernet_partition disable	Disable Ethernet_partition
set ethlink	Set ethernet integration
set ethlink enable	Enable Ethernet integration
set ethlink disable	Disable Ethernet integration
set ethlink enable	Enable Ethernet integration
set ethlink disable	Disable Ethernet integration

SNTP COMMANDS

SNTP Commands	Description
get daylightsaving	Display daylight saving time
get sntpserver	Display SNTP/NTP server IP address
get tzonelist	Display time zone
set daylightsaving	Set daylight saving time
set sntpserver	Set SNTP/NTP server IP address
set tzone	Set time zone setting

TFTP COMMANDS

SNTP Commands	Description
tftp getconfig	Use TFTP to get a configuration file from a PC
tftp getfirmware	Use TFTP to get firmware from a PC
tftp getxmlconfig	Use tftp to get xml configuration from PC
tftp putconfig	Use TFTP to put configuration on a PC
tftp putxmlconfig	Use tftp to put xml configuration to PC

DHCP SERVER COMMANDS

DHCP Server Commands	Description
get dhcp_dns	Display DHCP server DNS IP
get dhcp_endip	Display DHCP server ending IP
get dhcp_gateway	Display DHCP server gateway IP
get dhcp_leasetime	Display DHCP server lease time
get dhcp_netmask	Display DHCP server net mask
get dhcp_server	Display DHCP server state
get dhcp_startip	Display DHCP server starting IP
get dhcp_sta_expire	Display DHCP server STA's expire time
get dhcp_sta_hostname	Display DHCP server STA's host name
get dhcp_sta_mac	Display DHCP server STA's MAC
get dhcp_sta_ip	Display DHCP server STA's IP
get dhcp_staticip_mode	Display DHCP server static mode states
get dhcp_staticip_ip	Display DHCP server static mode IP
get dhcp_staticip_mac	Display DHCP server static mode MAC
get dhcp_staticip_hostname	Display DHCP server static mode host name
get dhcp_staticip_pool_state	Display DHCP server static mode pool state
get dhcp_wins	Display DHCP server WINS IP
set dhcp_dns	Set DHCP server DNS IP
set dhcp_endip	Set DHCP server ending IP
set dhcp_gateway	Set DHCP server gateway IP
set dhcp_leasetime	Set DHCP server lease time
set dhcp_netmask	Set DHCP server net mask

set dhcp_server	Set dhcp server states
set dhcp_server enable	Enable DHCP server
set dhcp_server disable	Disable DHCP server
set dhcp_server_static_ip_mode	Set dhcp server static ip mode states
set dhcp_server_static_ip_mode enable	Enable DHCP server
set dhcp_server_static_ip_mode disable	Disable DHCP server
set dhcp_startip	Set DHCP server start IP
set dhcp_staticip_set_disable	set dhcp staticip disable
set dhcp_staticip_set_disable pool_1	Disable DHCP static IP pool 1
set dhcp_staticip_set_disable pool_2	Disable DHCP static IP pool 2
set dhcp_staticip_set_disable pool_3	Disable DHCP static IP pool 3
set dhcp_staticip_set_disable pool_4	Disable DHCP static IP pool 4
set dhcp_staticip_set_disable pool_5	Disable DHCP static IP pool 5
set dhcp_staticip_set_disable pool_6	Disable DHCP static IP pool 6
set dhcp_staticip_set_disable pool_7	Disable DHCP static IP pool 7
set dhcp_staticip_set_disable pool_8	Disable DHCP static IP pool 8
set dhcp_staticip_set_disable pool_9	Disable DHCP static IP pool 9
set dhcp_staticip_set_disable pool_10	Disable DHCP static IP pool 10
set dhcp_staticip_set_disable pool_11	Disable DHCP static IP pool 11
set dhcp_staticip_set_disable pool_12	Disable DHCP static IP pool 12
set dhcp_staticip_set_disable pool_13	Disable DHCP static IP pool 13
set dhcp_staticip_set_disable pool_14	Disable DHCP static IP pool 14
set dhcp_staticip_set_disable pool_15	Disable DHCP static IP pool 15
set dhcp_staticip_set_disable pool_16	Disable DHCP static IP pool 16
set dhcp_staticip_set_disable pool_17	Disable DHCP static IP pool 17
set dhcp_staticip_set_disable pool_18	Disable DHCP static IP pool 18
set dhcp_staticip_set_disable pool_19	Disable DHCP static IP pool 19

set dhcp_staticip_set_disable pool_20	Disable DHCP static IP pool 20
set dhcp_staticip_set_disable pool_21	Disable DHCP static IP pool 21
set dhcp_staticip_set_disable pool_22	Disable DHCP static IP pool 22
set dhcp_staticip_set_disable pool_23	Disable DHCP static IP pool 23
set dhcp_staticip_set_disable pool_24	Disable DHCP static IP pool 24
set dhcp_staticip_set_disable pool_25	Disable DHCP static IP pool 25
set dhcp_staticip_set_enable	set dhcp staticip enable
set dhcp_staticip_set_enable pool_1	Enable DHCP static IP pool 1
set dhcp_staticip_set_enable pool_2	Enable DHCP static IP pool 2
set dhcp_staticip_set_enable pool_3	Enable DHCP static IP pool 3
set dhcp_staticip_set_enable pool_4	Enable DHCP static IP pool 4
set dhcp_staticip_set_enable pool_5	Enable DHCP static IP pool 5
set dhcp_staticip_set_enable pool_6	Enable DHCP static IP pool 6
set dhcp_staticip_set_enable pool_7	Enable DHCP static IP pool 7
set dhcp_staticip_set_enable pool_8	Enable DHCP static IP pool 8
set dhcp_staticip_set_enable pool_9	Enable DHCP static IP pool 9
set dhcp_staticip_set_enable pool_10	Enable DHCP static IP pool 10
set dhcp_staticip_set_enable pool_11	Enable DHCP static IP pool 11
set dhcp_staticip_set_enable pool_12	Enable DHCP static IP pool 12
set dhcp_staticip_set_enable pool_13	Enable DHCP static IP pool 13
set dhcp_staticip_set_enable pool_14	Enable DHCP static IP pool 14
set dhcp_staticip_set_enable pool_15	Enable DHCP static IP pool 15
set dhcp_staticip_set_enable pool_16	Enable DHCP static IP pool 16
set dhcp_staticip_set_enable pool_17	Enable DHCP static IP pool 17
set dhcp_staticip_set_enable pool_18	Enable DHCP static IP pool 18
set dhcp_staticip_set_enable pool_19	Enable DHCP static IP pool 19
set dhcp_staticip_set_enable pool_20	Enable DHCP static IP pool 20

set dhcp_staticip_set_enable pool_21	Enable DHCP static IP pool 21
set dhcp_staticip_set_enable pool_22	Enable DHCP static IP pool 22
set dhcp_staticip_set_enable pool_23	Enable DHCP static IP pool 23
set dhcp_staticip_set_enable pool_24	Enable DHCP static IP pool 24
set dhcp_staticip_set_enable pool_25	Enable DHCP static IP pool 25
set dhcp_staticip_set_hostname	Set DHCP static IP's host name
set dhcp_staticip_set_ip	Set DHCP static IP's IP
set dhcp_staticip_set_mac	Set DHCP static IP's MAC <macaddradd macaddress>
set dhcp_wins	Set DHCP server WINS IP

LIMIT ADMINISTRATOR COMMANDS

Limit Administrator Commands	Description
get ladtype	Limited administration type
get ladvid	VLAN ID which can control device
get ladippool	Starting IP of the limited administration IP pool
set ladtype	Limited Administration Type
set ladtype 0	Limited Administration disabled
set ladtype 1	Administration with VID
set ladtype 2	Administration with limited IP address
set ladtype 3	Both VID and IP address
set ladvid	VLAN ID which can control device
set ladippool	Starting IP of the limited administration IP pool

Note: The DHCP server function is to assign Dynamic IP to Wireless Client devices. It does not assign IP to an Ethernet port.

INTRUSION COMMANDS

Intrusion Commands	Description
get intrusion	Display intrusion
set intrusion	Set intrusion

MULTIPLE SSID AND VLAN COMMANDS

Multiple SSID and VLAN Commands	Description
set multi-auth	Set Authentication Type of Multi-SSID[index]
set multi-auth open-system	Set authentication type to Open-System
set multi-auth wpa-eap	Set authentication type to WPA-EAP
set multi-auth wpa-psk	Set authentication type to WPA-PSK
set multi-auth wpa2-eap	Set authentication type to WPA2-EAP
set multi-auth wpa2-psk	Set authentication type to WPA2-PSK
set multi-auth wpa-auto-eap	Set authentication type to WPA/WPA2-EAP
set multi-auth wpa-auto-psk	Set authentication type to WPA/WPA2-PSK
set multi-auth shared-key	Set authentication type to Shared-Key
set multi-cipher	Set Cipher type of Multi-SSID[index]
set multi-cipher no	Disable wireless security
set multi-cipher wep	Set cipher of WEP
set multi-cipher aes	Set cipher of AES
set multi-cipher tkip	Set cipher of TKIP
set multi-cipher auto	Set cipher of auto (AES/TKIP)
get groupvid_primary	Display wlan port member of group VID
get groupvid_eth	Display LAN port member of group VID
get groupvid_sys	Display System port member of group VID
get multi-auth	Display authentication type of Multi-SSID [index]

get multi-cipher	Display encryption cipher of Multi-SSID [index]
get multi-defkeyindex	Display default key index of Multi-SSID [index]
get multi-groupkeyupdate	Display group key update interval (in seconds) of Multi-SSID [index]
get multi-ind-state	Display Multi-SSID [index] individual state
get multi-pri-state	Display Multi-SSID priority state
get multi-priority	Display priority of Multi-SSID [index]
get multi-ssid	Display ESSID of Multi-SSID [index]
get multi-ssidhidden	Display SSID-hidden state of Multi-SSID [index]
get multi-state	Display Multi-SSID state
get multi-pvid	Display PVID of Multi-SSID [index]
get multi-grouppvid	Display group VID of Multi-SSID [index]
get multi-wmm	Display WMM state of Multi-SSID [index]
get priority	Display priority of primary SSID
get vlanstate	Display VLAN state
get vlanmode	Display VLAN mode
get autosetpvid	Display auto setting PVID by group VID
get pvid_primary	Display primary SSID PVID
get pvid_eth	Display Ethernet PVID
get pvid_sys	Display system PVID
get groupvid_primary	Display WLAN port member of group VID
get groupvid_eth	Display LAN port member of group VID
get groupvid_sys	Display system port member of group VID
set multi-cipher no	Disable wireless security
set multi-cipher wep	Set cipher of WEP
set multi-cipher aes	Set cipher of AES
set multi-cipher tkip	Set cipher of TKIP
set multi-cipher auto	Set cipher of auto (AES/TKIP)

set multi-defkeyindex	Set default key index [1-4] of Multi-SSID [index]
set multi-groupkeyupdate	Set Group Key Update Interval (in Secs: 300-9999999) of Multi-SSID[index]
set multi-ind-state	Set Multi-SSID [index] individual state
set multi-ind-state enable	Enable individual multi-SSID state
set multi-ind-state disable	Disable individual multi-SSID state
set multi-passphrase	Modify passphrase (size: 8-63) of Multi-SSID [index]
set multi-state	Set Multi-SSID state
set multi-state enable	Set the Multi-SSID state to enable
set multi-state disable	Set the Multi-SSID state to disable
set multi-ssid	Set SSID of Multi-SSID [index]
set multi-ssidhidden	Set SSID hidden state of Multi-SSID [index]
set multi-ssidhidden enable	Enable SSID hidden
set multi-ssidhidden disable	Disable SSID hidden
set multi-pvid	Set PVID of Multi-SSID [index]
set multi-groupvid	Set group VID of Multi-SSID [index]
set multi-groupvid Tag	Tag port
set multi-groupvid Untag	Un-tag port
set multi-groupvid None	Not a member
set multi-wmm	Set WMM state of Multi-SSID [index]
set multi-wmm enable	Enable WMM
set multi-wmm disable	Disable WMM
set multi-pri-state	Set Multi-SSID priority state
set multi-pri-state enable	Enable Multi-SSID priority
set multi-pri-state disable	Disable Multi-SSID priority
set multi-priority	Set priority of Multi-SSID [index]
set priority	Set priority of primary SSID
set vlanstate	Set VLAN state

set vlanstate enable	Enable VLAN state
set vlanstate disable	Disable VLAN state
set vlanmode	Set VLAN mode
set vlanmode dynamic	Dynamic VLAN
set vlanmode static	Static VLAN
set auto setupvid	Auto setting PVID by group VID
set auto setupvid enable	Enable auto setting PVID
set auto setupvid disable	Disable auto setting PVID
set pvid_primary	Set primary SSID PVID
set pvid_eth	Set Ethernet PVID
set pvid_sys	Set system PVID
set groupvid_primary	Set WLAN port member of group VID
set groupvid_primary Tag	Tag port
set groupvid_primary Untag	Un-tag port
set groupvid_primary None	Not a member
set groupvid_eth	Set LAN port member of group VID
set groupvid_eth Tag	Tag port
set groupvid_eth Untag	Un-tag port
set groupvid_eth None	Not a member
set groupvid_sys	Set system port member of group VID
set groupvid_sys Tag	Tag port
set groupvid_sys Untag	Un-tag port
set groupvid_sys None	Not a member
set groupviddel	Delete port member of group VID
set groupvidname	Set Service Set ID

IGMP COMMANDS

IGMP Commands	Description
get igmpsnoop	Display IGMP snooping
set igmpsnoop enable	Enable wireless
set igmpsnoop disable	Disable wireless
set mcastrate	Set mcast rate
get mcastrate	Display mcast rate

TRAFFIC CONTROL

Traffic Control Commands	Description
get qos	Display QoS setting
get qos allrules list	Show Qos Rules
get qos allrules status	QoS Rules Status
get qos classifier auto	Auto Classifier Status
get qos classifier http	HTTP Classifier Status
get qos status	Get QoS Status
set qos	Set Quality of Service
set qos allrules status	Set QoS Rules Status
set qos classifier auto	Set Auto Classifier Status
set qos classifier http	Set HTTP Classifier Status
set qos rule add	Add/Edit QoS Filter
set qos rule apply	Apply Single Rule
set qos rule delete	Delete Single Rule
set qos rule suspend	Suspend Single Rule
set qos status enable	Set Qos Status Enabled
set qos status disable	Set Qos Status Disabled

SYSTEM LOG COMMANDS

System Log Commands	Description
get syslog	Display system log information
set syslog	Set system log settings
set syslog remote 0/1	Set system log remote 0 or 1 (disable/enable)
set syslog remoteip x.x.x.x	Set system log remote IP address
set syslog system 0/1	Set system log system 0 or 1 (disable/enable)
set syslog wireless 0/1	Set system log wireless 0 or 1 (disable/enable)
set syslog notice 0/1	Set system log notice 0 or 1 (disable/enable)
set syslog smtp 0/1	Set system log SMTP 0 or 1 (disable/enable)
set syslog smtpindex 1/2/3	Set system log SMTP index 1: Internet 2: Gmail 3: Hotmail
set syslog smtpsvrip x.x.x.x	Set system log SMTP server IP address
set syslog smtptime min	Set system log SMTP schedule time in minutes (Note: Web uses hours, not minutes)
set syslog fromemail x@x.x	Set system log from email address
set syslog toemail x@x.x	Set system log to email address
set syslog clear all	Set system log clear log file
set syslog username x	Set system log user name by SMTP
set syslog password x	Set system log password by SMTP
set syslog mailport x	Set system log email port by SMTP
set syslog login 0/1	Set system log login 0 or 1 (disable/enable)
set syslog ssl 0/1	Set system log ssl 0 or 1 (disable/enable)

ACCESS CONTROL LIST COMMANDS

Access Control List Commands	Description
get acl	Display ACL
get macaddress	Display MAC address
get macaddrlist	Display MAC address list
set acl	Set ACL
set acl disable	ACL disable
set acl accept	ACL accept
set acl reject	ACL reject
set macaddradd	Add MAC address <macaddradd macaddress>
set macaddrdel	Delete MAC address <macaddrdel macaddress>

SCHEDULE COMMANDS

Schedule Commands	Description
get scheduled	Display scheduled
set scheduled	Set scheduled
set scheduled enable	Enable scheduled
set scheduled disable	Disable scheduled
set scheduled rule-add	Add scheduled rule
set scheduled rule-del	Delete scheduled rule
set scheduled rule-enable	Enable scheduled rule
set scheduled rule-disable	Disable scheduled rule

SNMP COMMANDS

Schedule Commands	Description
snmp addcom	Add communication string
snmp addgroup	Add user group
snmp addhost	Add host to notify list
snmp adduser	Add user to SNMP agent
snmp addview	Add user view
snmp delcomm	Delete communication string
snmp delgroup	Delete user group
snmp delhost	Delete host from notify list
snmp deluser	Delete user from SNMP agent
snmp delview	Delete user view
snmp editpubliccomm	Edit public communication string
snmp editprivatecomm	Edit private communication string
snmp resume	Resume SNMP agent
snmp settrap	Set trap status
snmp showcomm	Display communication string
snmp showgroup	Display user group
snmp showhost	Display host in notify list
snmp showtrap	Display trap status
snmp showuser	Display user in SNMP agent
snmp showview	Display user view
snmp status	Display SNMP agent status
snmp suspend	Suspend SNMP agent

UTILITY AND MISCELLANEOUS COMMANDS

Utility/Miscellaneous Commands	Description
version	Display software version
help	Display CLI command list
ping	Send ICMP echo request to network hosts
pwd	Print name of current/working directory
reboot	Reboot access point
get country	Display country
get uptime	Display uptime
get hardware	Display hardware revisions
get web	Display Web information
set apply	Apply the setting
set factorydefault	Restore to factory default setting
set web	Set Web status
set username	Set login username (size:1--64)
set password	Set login password (size:1--64)
ssl freset	Use freset to execute a factory default
set location	Set Location Data
get location	Get Location string
set systemname	Set System Name
get systemname	Get System Name
set zonedefence	Set Zone Defence status
set zone-defence-addip	Add Zone Defence IP Address
set zone-defence-delip	Del Zone Defence IP Address
get zonedefence	Display Zonedefence
get zonedefence-ip	Display Zonedefence IP table list

FIRST-TIME CONFIGURATION EXAMPLES

The following AP configuration examples are provided to help first-time users get started. The user commands are in **bold** for easy reference.

Many users will want to set a new IP address for the DAP-2360. This will also require setting an IP mask and a gateway IP address. The following is an example in which the AP's default IP address of **192.168.0.50** is changed to **192.168.0.55**.

```
WAP-> set ipaddr 192.168.0.55  
WAP-> set ipmask 255.255.255.0  
WAP-> set gateway 192.168.0.254  
WAP-> set apply
```

In addition, some users will want to set a channel for the DAP-2360. The following is an example in which the AP's channel is set to **6**.

```
WAP-> set channel 6  
WAP-> set apply
```

Users may also want to set an SSID for the DAP-2360. The following is an example in which the AP's SSID is set to **accounting**.

```
WAP-> set ssid accounting  
WAP-> set apply
```

If a TFTP server is being used to get the configuration file from a PC, to get firmware from a PC, or to put a configuration file on a PC, see the examples below. Please note that users must enable the TFTP server on the PC before using these commands.

The following is an example of using TFTP to get a configuration file from a PC, using the format **tftp getconfig** [config file name] [host IP address].

```
WAP-> tftp getconfig dap2360.dcf 1.49.12.1  
tftp: Update configuration file successfully!
```

The following is an example of using TFTP to put a configuration file on a PC, using the format **tftp putconfig** [config file name] [host IP address].

```
WAP-> tftp putconfig dap2360.dcf 1.49.12.1  
tftp: Put configuration file successfully!
```

The following is an example of using TFTP to get firmware from a PC, using the format **tftp getfirmware** [firmware file name] [host IP address].

```
WAP-> tftp getfirmware dap2360-firmware-v100-r0018.bin 1.49.12.1  
  
head in flash  
  
Burning done!
```

Once the user has determined what type of authentication is best for their wireless network, follow the appropriate instructions below.

The following is an example in which authentication is set to Open System.

```
WAP-> set authentication open-system  
WAP-> set cipher no  
WAP-> set apply
```

The following is an example in which the authentication is set to Shared-Key.

```
WAP-> set authentication shared-key  
WAP-> set key 1 1234567890  
WAP-> set defkeyindex 1  
WAP-> set cipher wep  
WAP-> set apply
```

The following is an example in which the authentication is set to WPA-PSK.

```
WAP-> set authentication wpa-psk  
WAP-> set cipher auto  
WAP-> set passphrase 1234567890  
WAP-> set apply
```

The following is an example in which the authentication is set to WPA-EAP.

```
WAP-> set authentication wpa-eap  
WAP-> set cipher auto  
WAP-> set radiusip 192.168.0.88  
WAP-> set radiussecret  
WAP-> set apply
```

The following is an example in which the authentication is set to WPA2-EAP.

```
WAP-> set authentication wpa2-eap  
WAP-> set cipher auto  
WAP-> set radiusip 192.168.0.88  
WAP-> set radiussecret  
WAP-> set apply
```

The following is an example in which the authentication is set to WPA2-PSK.

```
WAP-> set authentication wpa2-psk  
WAP-> set cipher auto  
WAP-> set passphrase 1234567890  
WAP-> set apply
```

The DAP-2360 does not need to be rebooted after making any changes to the configuration. Simply type **set apply** to enable the new configuration to take effect immediately.