



# DAP-2590

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

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First Edition (August 2008)

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RECYCLABLE

# Table of Contents

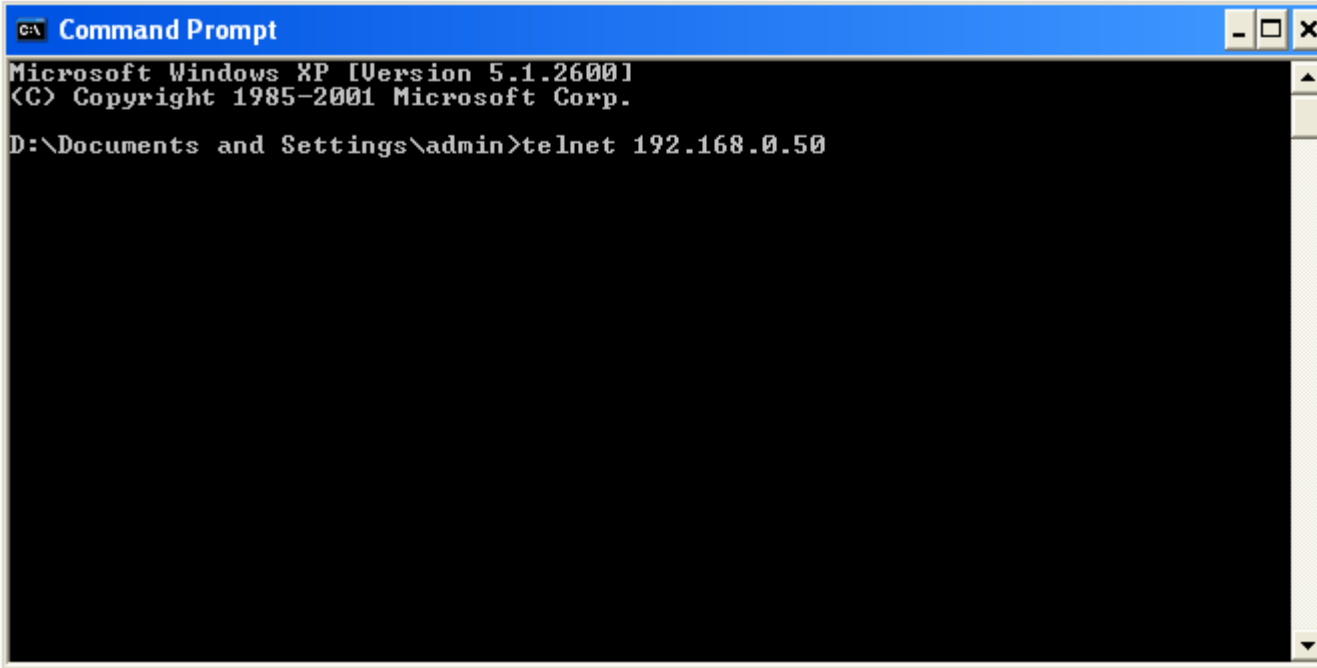
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- Using the CLI ..... 1
- Wireless Commands ..... 9
- LAN Commands ..... 13
- WLAN Partition Commands ..... 14
- RADIUS and Accounting Server Commands ..... 15
- SNTP Commands ..... 16
- TFTP Commands ..... 17
- DHCP Server Commands ..... 18
- Limit Administrator Commands ..... 21
- Intrusion Commands ..... 22
- Multiple SSID and VLAN Commands ..... 23
- IGMP Commands ..... 26
- QoS Commands ..... 27
- System Log Commands ..... 28
- Access Control List Commands ..... 29
- Schedule Commands ..... 30
- Utility and Miscellaneous Commands ..... 31

First-Time Configuration Examples .....	32
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## USING THE CLI

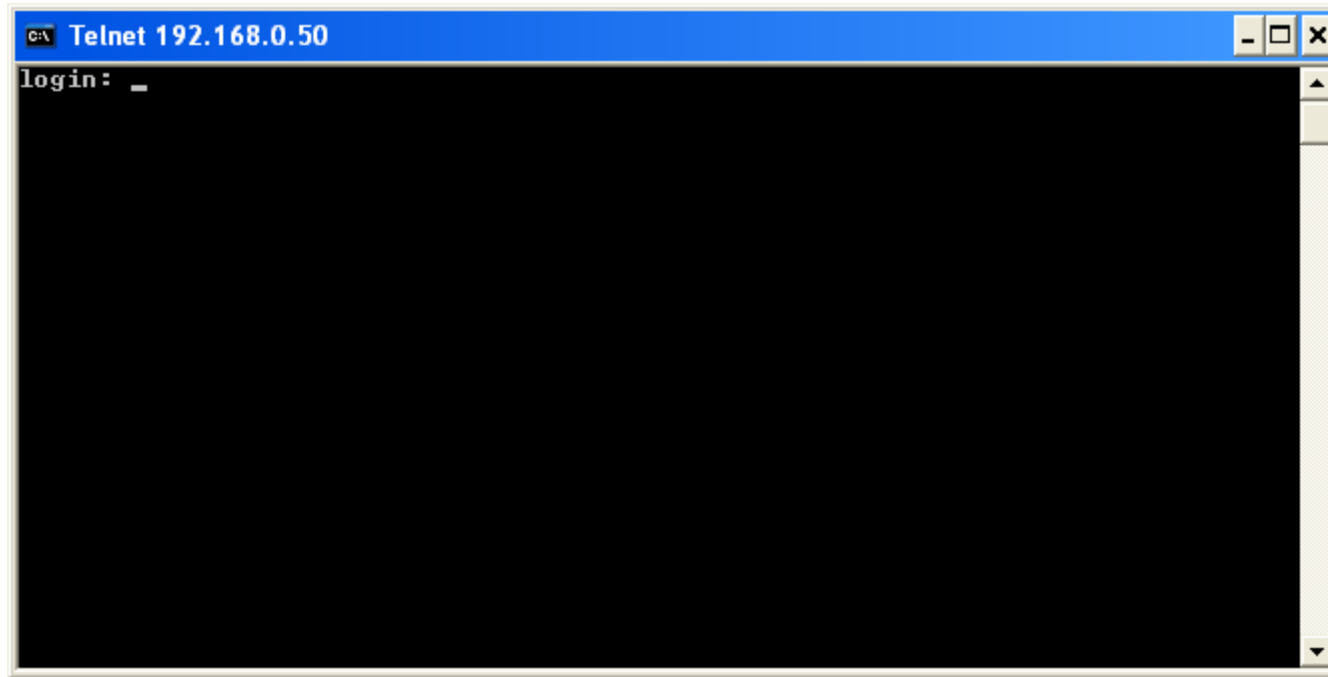
The DAP-2590 can be accessed by Telnet. Using a Microsoft Windows system as an example, open the Command Prompt on the computer that will be used for configuring and managing the AP and enter **telnet** and the IP address of DAP-2590 in the first line. Using the default IP address as example, enter **telnet 192.168.0.50** to cause the following screen to open:



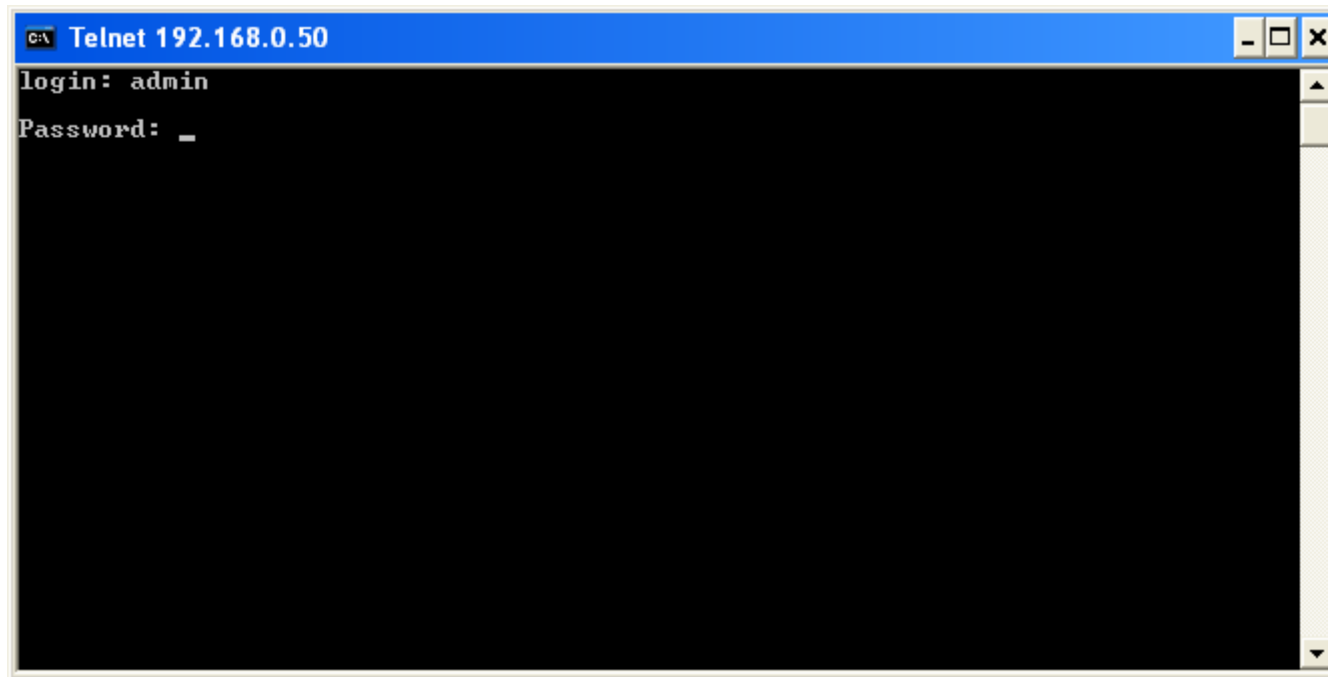
```
C:\> Command Prompt
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

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

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

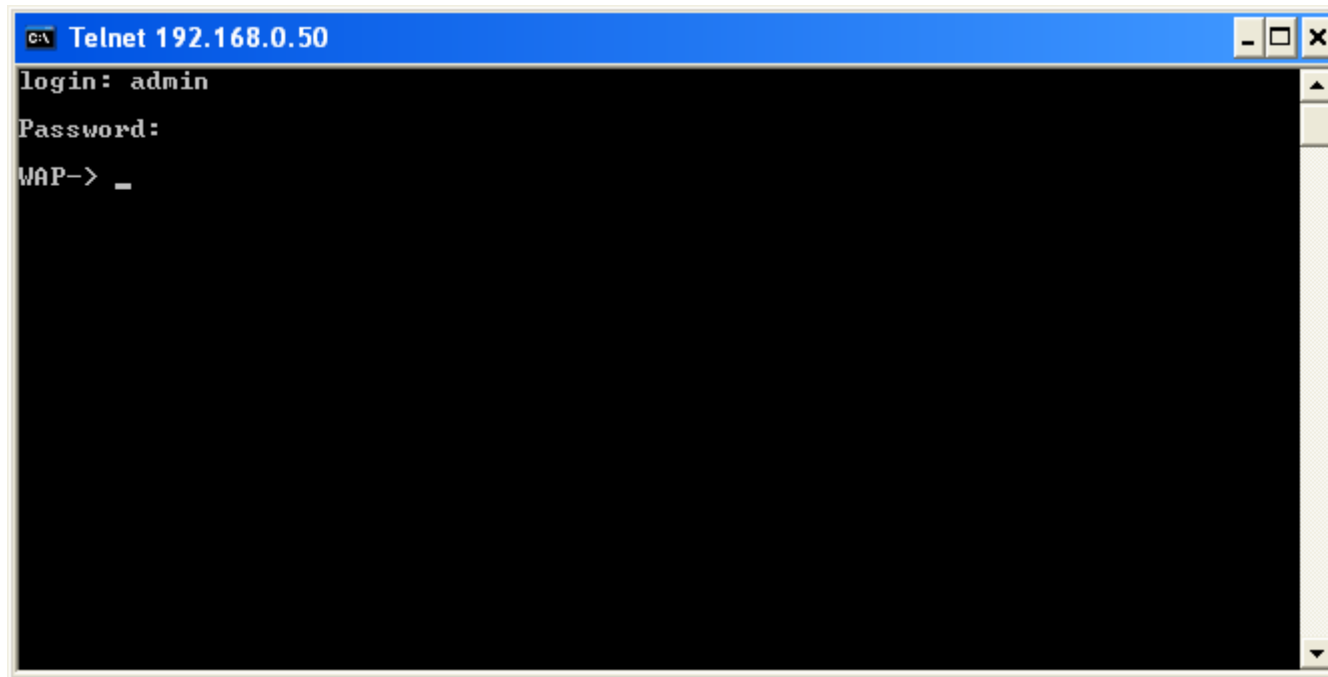


Type **admin** for the D-Link Access Point login username in the screen above and press Enter. The following screen opens:

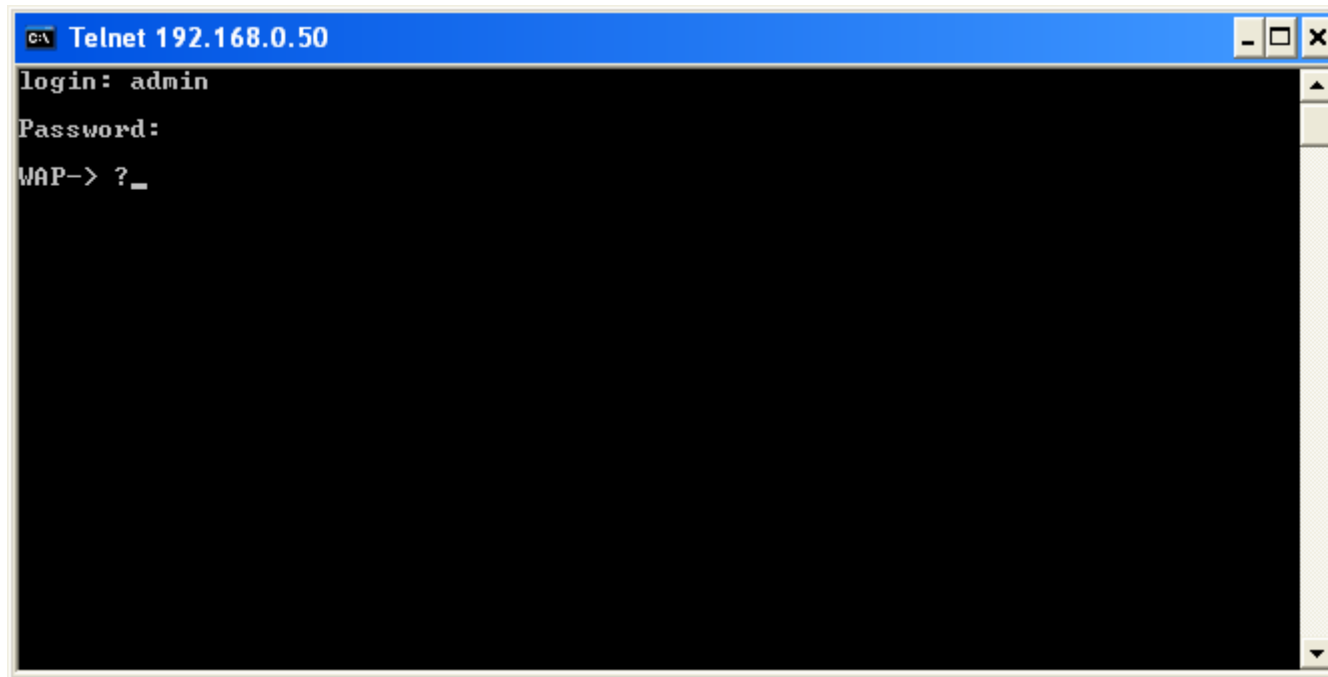


Press Enter as there is no initial password.

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



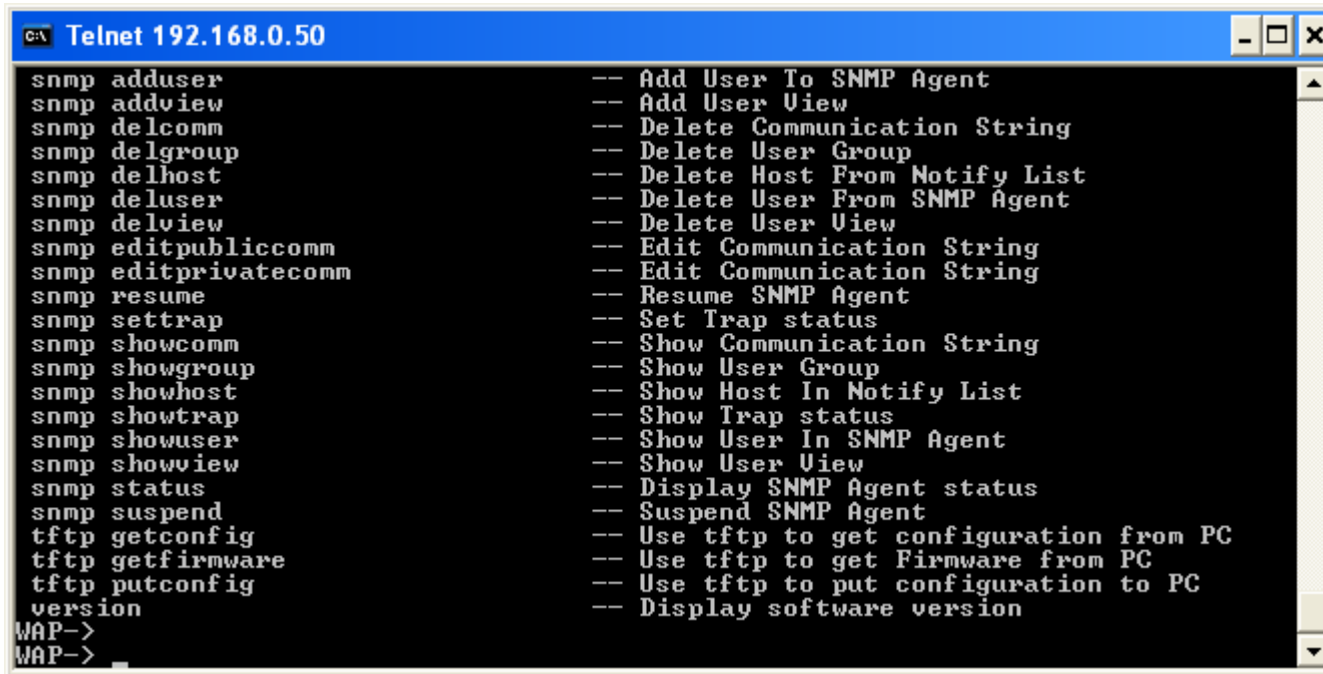
Commands are entered at the command prompt, WAP->



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**.

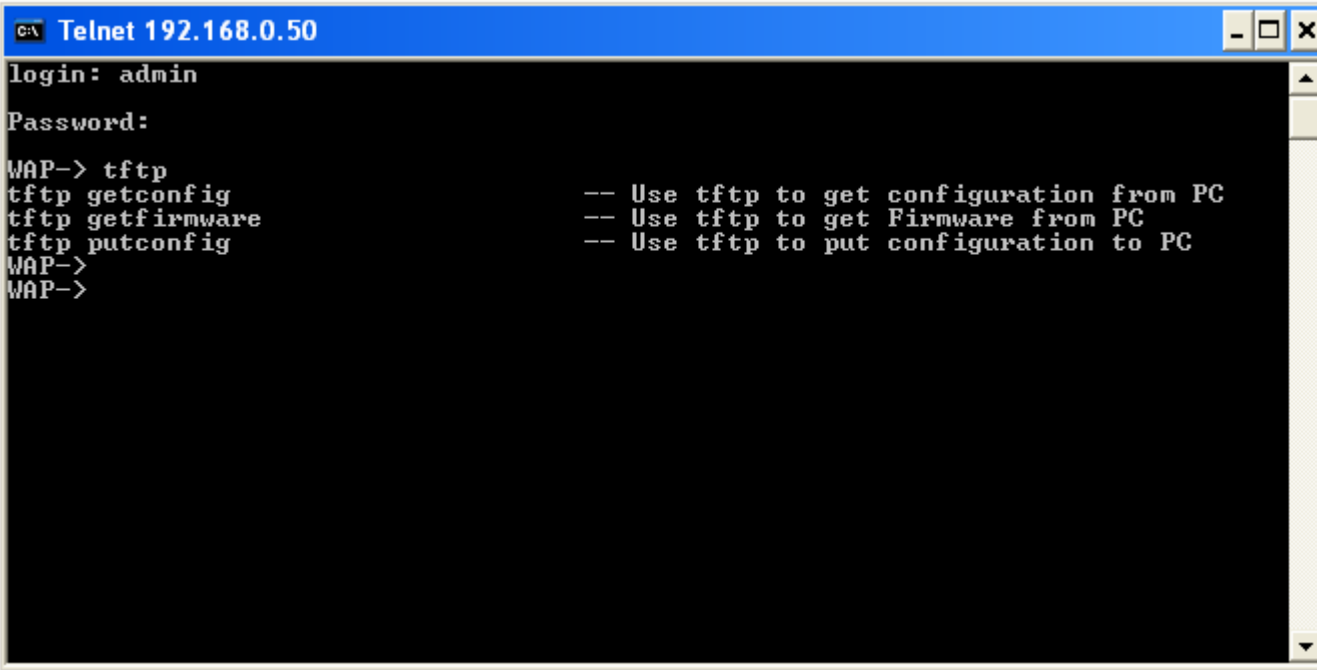
Press Enter to see a list of all the available commands. Alternatively, you may enter **help** and the press Enter.



A screenshot of a Telnet window titled "Telnet 192.168.0.50". The window displays a list of commands and their descriptions, with the last few lines showing command completions for "tftp". The commands listed are: snmp adduser, snmp addview, snmp delcomm, snmp delgroup, snmp delhost, snmp deluser, snmp delview, snmp editpubliccomm, snmp editprivatecomm, snmp resume, snmp settrap, snmp showcomm, snmp showgroup, snmp showhost, snmp showtrap, snmp showuser, snmp showview, snmp status, snmp suspend, tftp getconfig, tftp getfirmware, tftp putconfig, and version. The descriptions for the tftp commands are: Use tftp to get configuration from PC, Use tftp to get Firmware from PC, and Use tftp to put configuration to PC. The window also shows "WAP->" prompts at the bottom.

```
C:\> Telnet 192.168.0.50
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 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
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->
```

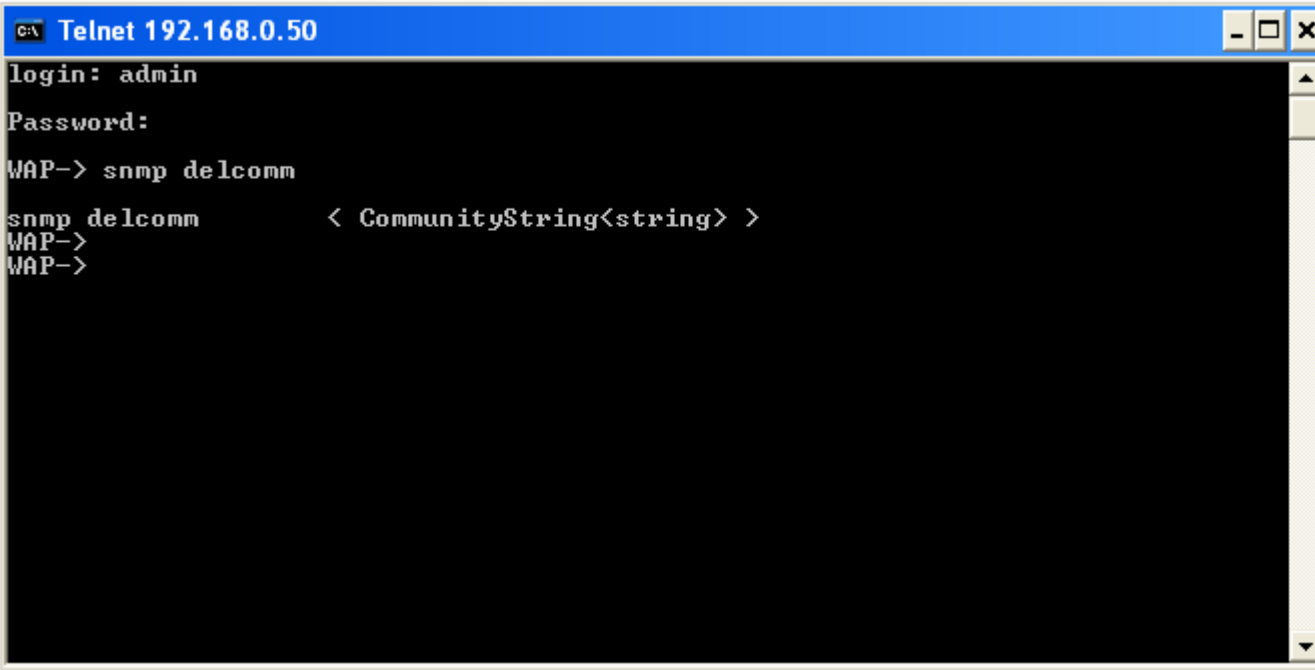
When you enter a command without all of its required parameters, the CLI will prompt you with a list of possible completions. For example, if **tftp** was entered, the following screen opens:



```
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 shows 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 Command	Description
get acktimeout	Display acknowledgement timeout
get ap_band	Display AP band
get apmode	Display AP operation mode
get assoclimitstatus	Display association limit setting status
get authentication	Display authentication type
get autochannel	Display auto channel
get availablechannel	Display available channel list
get beaconinterval	Display beacon interval
get channel	Display channel
get cipher	Display encryption cipher
get clientinfo	Display client info
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 sec)
get key	Display encryption key (index:1--4)
get keyentrymethod	Display encryption key entry method [index: 1--4]
get keylength	Display encryption key length (in bits)[index: 1--4]
get ssid	Display Service Set ID
get ssidhidden	Display SSID hidden
get txpower	Display TX power

get wdsinfo	Display WDS info
get wdsmac	Display WDS MAC address list
get wdscaninfo	Display WDS site survey info
get wireless	Display wireless
get wlmode	Display Wl mode
get wmm	Display WMM
get wlan_utilization	Get WLAN utilization
set acktimeout_a	Set acktimeput in A band (range: 25--200)
set acktimeout_g	Set acktimeput in G band (range: 48--200)
set ap_band 2.4G	AP in 2.4G band
set ap_band 5G	AP in 5G band
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 enable	Enable ASSOC limit
set assoclimit disable	Disable ASSOC limit
set assoclimit number	Set ASSOC limit number
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 enable	Enable auto channel
set autoChannel disable	Disable auto channel
set beaconinterval	Set beacon interval (range: 25--500)

set channel	Set channel (1--11)
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 auto	CWM auto
set cwm 20MHz	CWM 20MHz
set defkeyindex	Set default key Index [1--4]
set dtim	Set DTIM (1--15)
set fixedrate auto	fixrdrate auto
set fixedrate 54M	fixrdrate 54M
set fixedrate 48M	fixrdrate 48M
set fixedrate 36M	fixrdrate 36M
set fixedrate 24M	fixrdrate 24M
set fixedrate 18M	fixrdrate 18M
set fixedrate 12M	fixrdrate 12M
set fixedrate 9M	fixrdrate 9M
set fixedrate 6M	fixrdrate 6M
set fixedrate 11M	fixrdrate 11M
set fixedrate 5.5M	fixrdrate 5.5M
set fixedrate 2M	fixrdrate 2M
set fixedrate 1M	fixrdrate 1M
set groupkeyupdate	Set group key update interval (in secs: 0 (no update) or 300-99999)
set key	Set encryption key index [1--4][value]
set keyentrymethod hexadecimal	Key contains (0 - 9, a - f, A - F)
set keyentrymethod asciitext	Key contains keyboard characters
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 passphrase	Modify passphrase (size: 8--63)
set radiusip	Set RADIUS IP address
set radiusport	Set RADIUS port number
set radiussecret	Set RADIUS shared secret (size: 1--64)
set ssid	Set Service Set ID
set ssidhidden enable	Enable SSID hidden
set ssidhidden disable	Disable SSID hidden
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 address <macaddress xx:xx:xx:xx:xx>
set wdsmacdel	Delete WDS MAC address <macaddress xx:xx:xx:xx:xx>
set wdsscan	Set WDS site survey
set wireless enable	Enable wireless
set wireless disable	Disable wireless
set wlan_utilization 100%	WLAN utilization 100%
set wlan_utilization 80%	WLAN utilization 80%
set wlan_utilization 60%	WLAN utilization 60%
set wlan_utilization 40%	WLAN utilization 40%
set wlan_utilization 20%	WLAN utilization 20%
set wlan_utilization 0%	WLAN utilization 0%
set wlmode nbg	Wlmode mixed n/b/g
set wlmode gb	Wlmode mixed 80211b and 80211g
set wlmode only-a	Wlmode 80211a
set wlmode an	Wlmode 80211a and 802.11n
set wlmode n5G	Wlmode 80211n for 5G
set wmm enable	Enable WMM
set wmm disable	Disable WMM

**LAN COMMANDS**

LAN Command	Description
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
get multicast_bwctrl	Display multicast_bwctrl
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
set multicat_bwctrl	Set multicat_bectl (1-1024)



**WLAN PARTITION COMMANDS**

WLAN Partition Command	Description
get e_partition	Display e_partition
get ethlink	Display Ethernet integration
get w_partition	Display w_partition
set e_partition enable	Enable e_partition
set e_partition disable	Disable e_partition
set ethlink enable	Enable Ethernet integration
set ethlink disable	Disable Ethernet integration
set w_partition enable	Enable w_partition
set w_partition disable	Disable w_partition

**RADIUS AND ACCOUNTING SERVER COMMANDS**

RADIUS and Accounting Command	Description
get acctstate	Display accounting state
get acctip	Display accounting server IP address
get acctport	Display accounting port number
get backup-acctip	Display backup accounting server IP address
get backup-acctport	Display backup accounting port number
get backup-radiusip	Display backup RADIUS server IP address
get backup-radiusport	Display backup RADIUS port number
get radiusip	Display RADIUS server IP address
get radiusport	Display RADIUS port number
set acctstate enable	Set accounting server to enabled
set acctstate disable	Set accounting server to disabled
set acctip	Set accounting server IP address
set acctport	Set accounting port number
set acctsecret	Set accounting shared secret (size: 1--64)
set backup-acctip	Set backup accounting server IP address
set backup-acctport	Set backup accounting port number
set backup-acctsecret	Set backup accounting shared secret (size: 1--64)
set backup-radiusip	Set backup RADIUS IP address
set backup-radiusport	Set backup RADIUS port number
set backup-radiussecret	Set backup RADIUS shared secret (size: 1--64)

**SNTP COMMANDS**

SNTP Command	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 x.x.x.x	Set SNTP/NTP server IP address
set tzone xxx	Set time zone setting

**TFTP COMMANDS**

SNTP Command	Description
tftp getconfig	Use TFTP to get a configuration file from a PC
tftp getfirmware	Use TFTP to get firmware from a PC
tftp putconfig	Use TFTP to put configuration on a PC

**DHCP SERVER COMMANDS**

DHCP Server Command	Description
get dhcp_dns	Display DHCP server DNS IP
get dhcp_endip	Display DHCP server end 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 states
get dhcp_startip	Display DHCP server start 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 end 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 enable	Enable DHCP server
set dhcp_server disable	Disable DHCP server

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 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	Enable 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 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 Command	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 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 doesn't assign IP to Ethernet port.



**INTRUSION COMMANDS**

Intrusion Command	Description
get rogue_ap	Display rogue AP List
set rogue_set_type_mac	Set rogue AP index type and MAC < type macaddradd macaddress>

**MULTIPLE SSID AND VLAN COMMANDS**

Multiple SSID and VLAN Command	Description
set multi-acctstate enable	Enable individual multi-accounting server state
set multi-acctstate disable	Disable individual multi-accounting server state
set multi-acctip	Set accounting server IP of Multi-SSID [index]
set multi-acctport	Set accounting server port number of Multi-SSID [index]
set multi-acctsecret	Set accounting server secret (size: 1--64) 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-backup-acctip	Set backup accounting server IP of Multi-SSID [index]
set multi-backup-acctport	Set backup accounting server port number of Multi-SSID [index]
set multi-backup-acctsecret	Set backup accounting server secret (size: 1--64) of Multi-SSID [index]
set multi-backup-radiusip	Set backup RADIUS IP address of Multi-SSID [index]
set multi-backup-radiusport	Set backup RADIUS port number of Multi-SSID [index]
set multi-backup-radiussecret	Set backup RADIUS server secret (size: 1--64) 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
get multi-acctstate	Display accounting server state of Multi-SSID [index]

get multi-acctip	Display accounting server IP address of Multi-SSID [index]
get multi-acctport	Display accounting port number of Multi-SSID [index]
get multi-auth	Display authentication type of Multi-SSID [index]
get multi-backup-acctip	Display backup accounting server IP address of Multi-SSID [index]
get multi-backup-acctport	Display backup accounting port number of Multi-SSID [index]
get multi-backup-radiusip	Display backup RADIUS server IP address of Multi-SSID [index]
get multi-backup-radiusport	Display backup RADIUS port number 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 Sec) of Multi-SSID [index]
get multi-ind-state	Display Multi-SSID [index] individual state
get multi-radiusip	Display RADIUS server IP address of Multi-SSID [index]
get multi-radiusport	Display RADIUS port number 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-wmm	Display WMM state of Multi-SSID [index]
get multi-wepkey	Display encryption key (index: 1--4) of Multi-SSID [index]
get vlanstate	Display VLAN state
get vlanmode	Display VLAN mode
get pvid_primary_ssid	Display primary SSID PVID
get pvid_eth	Display Ethernet PVID
get pvid_sys	Display system PVID
get groupvidport	Display WLAN port member of group VID <33bitmap>
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 Sec: 0 (no update) or 300-99999) of Multi-SSID [index]

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-radiusip	Set RADIUS IP address of Multi-SSID [index]
set multi-radiusport	Set RADIUS port number of Multi-SSID [index]
set multi-radiussecret	Set RADIUS server secret (size: 1--64) of Multi-SSID [index]
set multi-state enable	Enable multi-SSID
set multi-state disable	Disable multi-SSID
set multi-ssid	Set ESSID 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-wmm enable	Enable WMM
set multi-wmm disable	Disable WMM
set vlanstate enable	Enable VLAN
set vlanstate disable	Disable VLAN
set vlanmode enable	Enable VLAN
set vlanmode disable	Disable VLAN
set pvid_primary_ssid	Set primary SSID PVID
set pvid_eth	Set Ethernet PVID
set pvid_sys	Set system PVID
set addgroupvidport	Set WLAN port member of group VID <33 bitmap>
set delgroupvid	Delete port member of group VID

**IGMP COMMANDS**

IGMP Command	Description
get igmpsnoop	Display IGMP snooping
set igmpsnoop enable	Enable wireless
set igmpsnoop disable	Disable wireless

**QoS COMMANDS**

QoS Command	Description
get qos allrules	Show QoS rules
get qos classifier	Get QoS classifier status
get qos status	Get QoS status
set qos allrules status enable	Set QoS rules to enable
set qos allrules status disable	Set QoS rules to disable
set qos classifier auto enable	Set QoS auto classifier to enabled
set qos classifier auto disable	Set QoS auto classifier to disabled
set qos classifier http enable	Set QoS HTTP classifier to enabled
set qos classifier http disable	Set QoS HTTP classifier to disabled
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 to enabled
set qos status disable	Set QoS status to disabled

**SYSTEM LOG COMMANDS**

System Log Command	Description
get syslog	Display system log information
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 smtpsvrip x.x.x.x	Set system log SMTP server IP address
set syslog smtptime x	Set system log SMTP schedule time
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

**ACCESS CONTROL LIST COMMANDS**

Access Control List Command	Description
get acl	Display ACL
get macaddress	Display MAC address
get macaddrlist	Display MAC address list
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 Command	Description
get scheduled	Display 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

**UTILITY AND MISCELLANEOUS COMMANDS**

Utility/Miscellaneous Command	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 neap	Display NEAP information
get pingctl	Ping control
get uptime	Display UpTime
get cpuinfo	Display CPU info percentage
get hardware	Display hardware revisions
get meminfo	Display mem info percentage
get web	Display Web information
set apply	Apply the setting
set factorydefault	Restore to factory default setting
set neap	Set neap settings
set pingctl enable	Set Ping control to enabled
set pingctl disable	Set Ping control to disabled
set web enable/disable	Set Web status

## 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-2590. 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-2590. 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-2590. 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 dap2590.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 dap2590.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 dap2590-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-2590 doesn't need to be rebooted after making any changes to the configuration. Simply type **set apply** to enable the new configuration to take effect immediately.