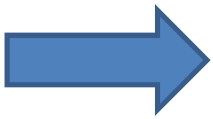
D-Link® DAP-3690

D-Link AirPremier N Concurrent Dual Band PoE Outdoor AP

CLI Reference Guide

WIRELESS N

Notes, Notices, and Cautions

Graphic	Description
	**NOTE:** A NOTE indicates important information that helps you make better use of your computer.
	**NOTICE:** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
	**CAUTION:** A CAUTION indicates a potential for property damage, personal injury, or death.

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Introduction

The Command Line Interface (CLI) is a network management application operated through an ASCII terminal without the use of a Graphic User Interface (GUI) driven software application. By directly entering commands, the user has greater configuration flexibility. The CLI is a basic command-line interpreter similar to the UNIX C shell.

A wireless router can be configured and maintained by entering commands from the CLI, which is based solely on textual input and output with commands being entered by a terminal keyboard and the output displayed as text via a terminal monitor. The CLI can be accessed from a console terminal connected to an EIA/TIA-232 port or through a Telnet session. For this CLI we shall use the “Tera Term” program.

This guide describes how the Command Line Interface (CLI) is structured, describes the command syntax, and describes the command functionality.

This guide also provides information for configuring the DAP-3690, details the procedures and provides configuration examples. Basic installation configuration is described in the User’s Guide and must be completed before using this document.

Command Groups

The system commands can be broken down into two sets of functional groups, Layers 2 and 3.

Command Group	Description
Layer 2 Groups	
ACL	Configures and displays ACL information.
DHCP Filtering	Configures DHCP filtering and whether an interface is trusted for filtering.
Ethernet Configuration	Configures all port configuration options for example ports, storm control, port speed and auto-negotiation.
IGMP Snooping	Configures IGMP snooping and displays IGMP configuration and IGMP information.
IP Addressing	Configures and manages IP addresses on the switch.
Link Dependency	Configures and displays link dependency information.
Line	Configures the console, SSH, and remote Telnet connection.
Management ACL	Configures and displays management access-list information
Password Management	Provides password management.
Port Channel	Configures and displays Port channel information
Port Monitor	Monitors activity on specific target ports.

QoS	Configures and displays QoS information
RADIUS	Configures and displays RADIUS information
SNMP	Configures SNMP communities, traps and displays SNMP information.
Syslog Commands	Manages and displays syslog messages
User Interface	Describes user commands used for entering CLI commands.
VLAN	Configures VLANs and displays VLAN information.

Command Syntax and Conventions

A command is one or more words that can be followed by one or more keywords and parameters. Keywords and parameters can be required or optional:

- A keyword is a predefined string (word) that narrows down the scope of a command. A keyword can be followed by an associated parameter or by associated keywords. In many cases, these associated keywords are mutually exclusive, so you need to select one of them. In some cases, this manual refers to a group of words as a keyword.

- A parameter is a variable for which you need to type a value. You need to replace the parameter name with the appropriate value, which might be a name or number. A parameter can be associated with a command or with a keyword.

This manual lists each command by its full command name and provides a brief description of the command. In addition, for each command, the following information is provided:

- Format. Shows the command keywords and the required and optional parameters.

- Mode. Identifies the command mode you need to be in to access the command. (With some minor exceptions, the mode is always described using lower-case letters.)

- Related show command or commands. Identifies and links to the show command or commands that can display the configured information.

For more complicated commands, in addition to the format, mode, and related show command or commands, the following information is provided:

- Table. Explains the keywords and parameters that you can use for the command.

- Example. Shows a CLI example for the command.

Using a COM port to connect to DAP-3690

The back panel of the DAP-3690 provides an RJ45 Ethernet port to connect an RS-232 connector to your PC for monitoring and configuration.

To use the console port, the following equipment is needed:

1. A terminal or a computer with both an RS-232 serial port and the ability to emulate a terminal.
2. A console cable with a male DB-9 connector on one end and an RJ-45 connection on the other. It establishes the physical connection to the console port.

Using a terminal to connect to the console port

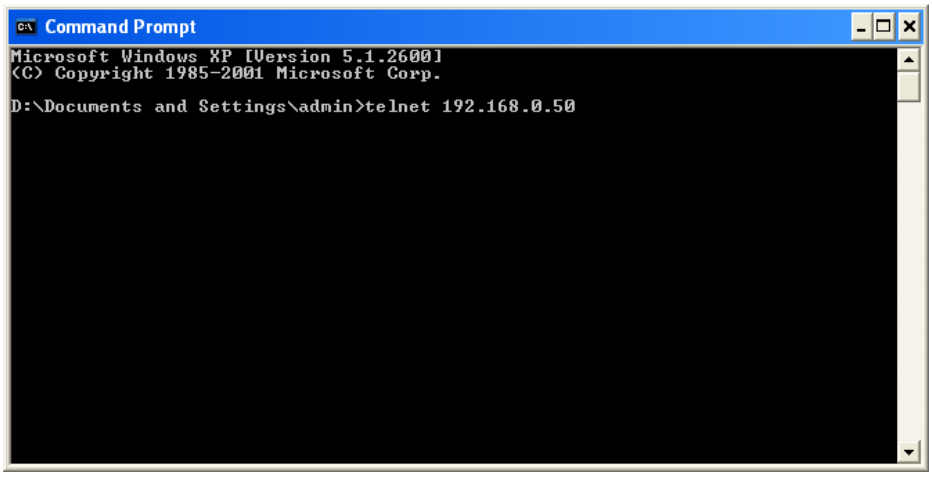
Connect the male DB-9 connector on the console cable to the RS-232 serial port on the computer running terminal emulation software then insert the RJ-45 connector into the RJ-45 console port on the front of the Switch.

Set the terminal emulation software as follows:

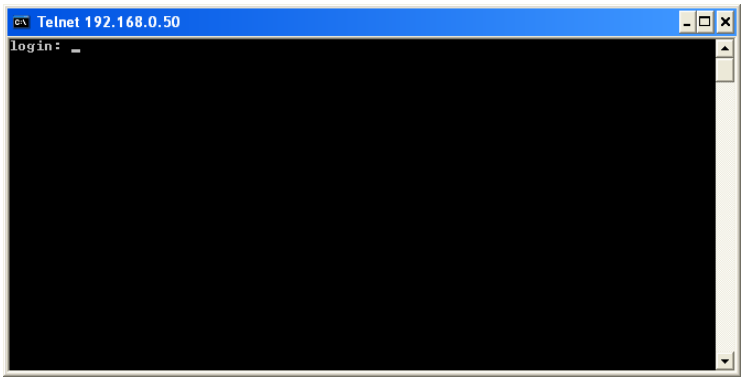
- Select the appropriate serial port (COM1 or COM2).
- Set the data rate to 115200 baud.
- Set the data format to 8 data bits, 1 stop bit, and no parity.
- Set flow control to none.
- Under Properties, select VT100 for Emulation mode.

Select Terminal keys for Function, Arrow and Ctrl keys. Make sure to use Terminal keys (not Windows keys) are selected.

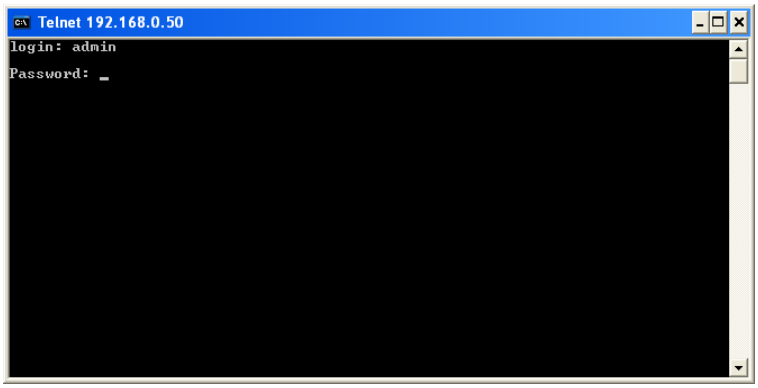
Telnet 192.168.0.50 on the command prompt



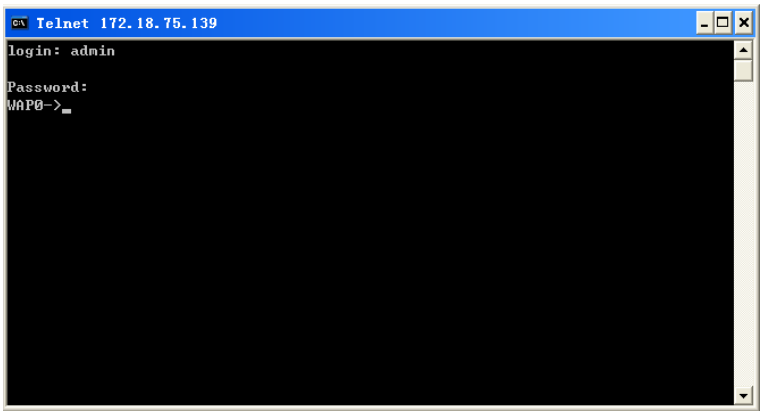
Hit the Enter key a couple of times to access the login phase



Type **admin** at the login prompt and press the **Enter** key.

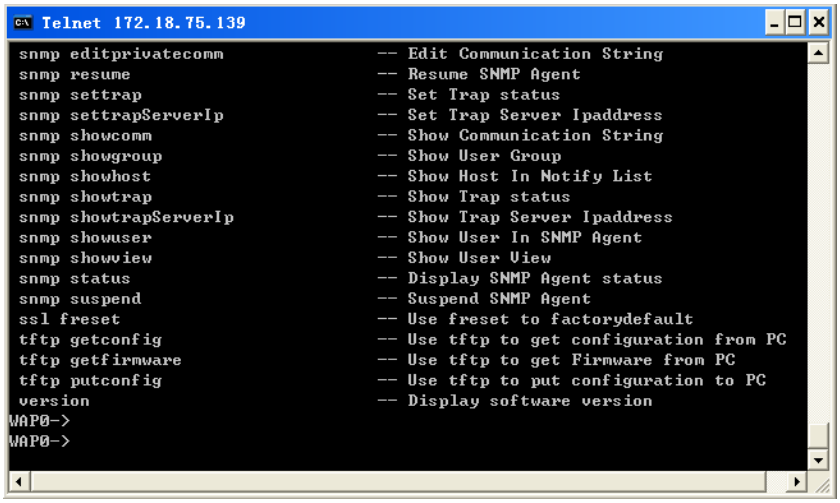


Leave **Password** blank by depressing the **Enter** key again.



The command prompt now displays **WAP0->**

Type "**help**" or use the question symbol, "**?**" then press **Enter** to access a list of commands.



When you enter a command without all of its required parameters, the CLI prompts you with a list of possible completions. For example, type "**tftp"**, the screen below shows other helpful hits for you to complete your configuration options.

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 you type in **snmp delcomm**, the missing value, **CommunityString<string>**, is displayed in order so that you can complete the instruction.

Commands and their Descriptions

Wireless Commands

Wireless Commands	Descriptions
config wlan	config wlan (0:2.4G, 1:5G)
del key	Delete Encryption key (index:1--4)
get acktimeout	Display acknowledgement timeout
get key	Display Encryption Key (index:1--4)
get apmode	Display AP operation mode
get assoclimitstatus	Display association limit setting status
get authentication	Display authentication type
get autochannel	Display auto channel
get autorekey-smtp	Display autorekey email setting
get autorekey	Display autorekey
get aparray-state	Display AP Array state
get arrayname	Display AP Array arrayname
get arrayrole	Display AP Array role[master:1, backup master:2, slaver:3]
get arraypassword	Display AP Array password
get arrayp-sync-ssid	Display AP Array sync ssid state
get arrayp-sync-ssidhidden	Display AP Array sync ssidhidden state
get arrayp-sync-autochannel	Display AP Array sync autochannel state
get arrayp-sync-channelwidth	Display AP Array sync channelwidth state
get arrayp-sync-security	Display AP Array sync security state
get arrayp-sync-fixedrate	Display AP Array sync fixedrate state
get arrayp-sync-beaconinterval	Display AP Array sync beaconinterval state
get arrayp-sync-dtim	Display AP Array sync dtim state
get arrayp-sync-txpower	Display AP Array sync txpower state
get arrayp-sync-wmm	Display AP Array sync wmm state
get arrayp-sync-acktimeout	Display AP Array sync acktimeout state
get arrayp-sync-shortgi	Display AP Array sync shortgi state
get arrayp-sync-igmpsnoop	Display AP Array sync igmpsnoop state
get arrayp-sync-connectionlimit	Display AP Array sync connectionlimit state
get arrayp-sync-linkintegrity	Display AP Array sync linkintegrity state
get arrayp-sync-multissid	Display AP Array sync multissid state
get arrayp-sync-multissid_hidden	Display AP Array sync multissid_hidden state
get arrayp-sync-multisecurity	Display AP Array sync multisecurity state
get arrayp-sync-multiwmm	Display AP Array sync multiwmm state
get arrayp-sync-qos	Display AP Array sync qos state
get arrayp-sync-vlan	Display AP Array sync vlan state
get arrayp-sync-schedule	Display AP Array sync schedule state

get arrayp-sync-time	Display AP Array sync time state
get arrayp-sync-log	Display AP Array sync log state
get arrayp-sync-adminlimit	Display AP Array sync adminlimit state
get arrayp-sync-system	Display AP Array sync system state
get arrayp-sync-consoleprotocol	Display AP Array sync consoleprotocol state
get arrayp-sync-snmp	Display AP Array sync snmp state
get arrayp-sync-pingctl	Display AP Array sync pingctl state
get arrayp-sync-dhcp	Display AP Array sync dhcp state
get arrayp-sync-login	Display AP Array sync login state
get arrayp-sync-acl	Display AP Array sync acl state
get updownlink	Display primary ssid uplink/downlink state
get uplink_bandwidth	Display uplink bandwidth
get availablechannel	Display available channel list
get downlink_bandwidth	Display downuplink bandwidth
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 d-wepkeylen	Display 802.1X dynamic WEP Key Length
get d-wepkeyupdate	Display 802.1X dynamic WEP Rekey Interval(in Secs)
get dtim	Display DTIM
get fixedrate	Display fixed rate
get groupkeyupdate	Display group key update interval (in sec)
get shortgi	Display Shortgi
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 wdsscaninfo	Display WDS site survey info
get wireless	Display wireless
get wlmode_db	Display Wlmode
get wmm	Display WMM
get wds-updownlink	Get uplink/downlink state of WDS[index]
get macclonetype	Display MAC address clone type
get maccloneaddr	Display MAC clone address
get mcastrate	Display mcast rate
get rogue_ap	Display Rogue AP List
get zonedefence	Display Zonedefence

get zonedefence-ip	Display Zonedefence IP table list
set acktimeout_a	Set acktimeput in A band (range: 50--200)
set acktimeout_g	Set acktimeput in G band (range: 64--200)
set ap_band	Set ap band (2.4G or 5G)
set apmode	Set AP operation mode
set autorekey	Set autorekey enable
set aparray-state	Set AP Array state
set arrayname	Set AP Array arrayname
set arrayrole	Set AP Array role[master:1, backup master:2, slaver:3]
set arraypassword	Set AP Array password
set array_syncnode_enable	Set array_syncnode enable
set array_syncnode_disable	Set array_syncnode disable
set assoclimit	Set Association Limit
set authentication	Set authentication type
set autoChannel	Set auto channel
set beaconinterval	Set beacon interval (range: 25--500)
set cipher	Set Cipher of wep,tkip,aes, or auto
set Channeltype	Set Channel type
set cwm	Set CWM
set d-wepkeylen	Set 802.1X dynamic WEP Key Length
set d-wepkeyupdate	Set 802.1X dynamic WEP Rekey Interval(in Secs)
set defkeyindex	Set default key Index [1--4]
set dtim	Set DTIM (1--15)
set 2.4G fixedrate	Set fixrdrate
set 5G fixedrate	Set fixrdrate
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	Select Encryption Key Entry Method of key [index 1--4]
set keylength	Set Encryption Key Length of key Index [1--4]
set macclonetype	Set MAC address clone type
set maccloneaddr	Set MAC clone address
set mcastrate	Set mcast rate
set multi-d-wepkeylen	Set 802.1X dynamic WEP Key Length of Multi-SSID[index]
set multi-d-wepkeyupdate	Set 802.1X dynamic WEP Rekey Interval(in Secs) of Multi-SSID[index]
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	Set SSID hidden
set shortgi	Set Shortgi
set txpower	Set TX power
set wdsmacadd	Add WDS MAC address <macaddress xx:xx:xx:xx:xx>[Index]
set wdsmacdel	Delete WDS MAC address [Index]
set wdsscan	Set WDS site survey
set wireless	Set wireless
set wlmode_db	Set Wlmode for dual band
set uplink_bandwidth	Set uplink bandwidth
set downlink_bandwidth	Set downlink bandwidth
set updownlink	Set primary ssid uplink/downlink state
set wds-updownlink	Set uplink/downlink state of WDS[index]
set wmm	Set WMM
set zonedefence	Set Zone Defence status
set zone-defence-addip	Add Zone Defence IP Address
set zone-defence-delip	Del Zone Defence IP Address

LAN Commands

LAN Commands	Description
get ethernetcount	Display Ethernet count
get eth-updownlink	Display ethernet uplink/downlink state
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 eth-updownlink	Set ethernet uplink/downlink state
set multicat_bwctrl	Set multicat_bectrl (1--1024)
set gateway	Set gateway IP address
set ipaddr	Set IP address
set ipmask	Set IP subnet mask
set ipmode	Set IP Mode(Static or Dynamic)

WLAN Partition Commands

WLAN Partition Commands	Description
get e_partition	Display ethernet_partition
get ethlink	Display Ethernet integration
get w_partition	Display w_partition
get wlan_utilization	Get Wlan utilization
set e_partition	Set ethernet_partition
set ethlink	Set Ethernet integration

set w_partition	Set w_partition
set wlan_utilization	Set wlan utilization

VLAN Commands

VLAN Commands	Description
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_eth2	Display ethernet(LAN2) PVID
get pvid_eth1	Display Ethernet(LAN1) PVID
get pvid_sys	Display system PVID
get groupvid_primary	Display wlan port member of group VID
get groupvid_eth2	Display LAN2 port member of group VID
get groupvid_eth1	Display LAN1 port member of group VID
get groupvid_sys	Display System port member of group VID
get wds-pvid	Get PVID of WDS[index]
get wds-groupvid	Get group VID of WDS[index]
set vlanstate	Set VLAN state
set vlanmode	Set VLAN mode
set autosetpvid	Auto setting pvid by group VID
set pvid_primary	Set primary SSID PVID
set pvid_eth2	Set ethernet(LAN2) PVID
set pvid_eth1	Set Ethernet(LAN1) PVID
set pvid_sys	Set system PVID
set groupvid_primary	Set wlan port member of group VID
set groupvid_eth2	Set LAN2 port member of group VID
set groupvid_eth1	Set LAN1 port member of group VID
set groupvid_sys	Set system port member of group VID
set groupviddel	Delete port member of group VID
set groupvidname	Set Service Set ID
set wds-pvid	Set PVID of WDS[index]
set wds-groupvid	Set group VID of WDS[index]

RADIUS and Accounting Server Commands

RADIUS and Accounting Server Commands	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 embradius	Display Embedded RADIUS Server parameter
get radiusip	Display RADIUS server IP address
get radiusport	Display RADIUS port number
set acctstate	Set accounting state
set acctip	Set accounting server IP address
set acctport	Set accounting port number
set acctsecret	Set accounting shared secret (size: 1--64)
set embradius	Set Embedded RADIUS Server
set multi-embradius	Set Multi Embedded RADIUS Server
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)

SNMP Commands

SNMP Commands	Description
snmp addcomm	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 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 status	Display SNMP Agent status
snmp suspend	Suspend SNMP Agent

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

TFTP Commands

TFTP 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 putconfig	Use TFTP to put configuration on a PC

DHCP Server Commands

DHCP Server Commands	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	Set DHCP server state
set dhcp_server_static_ip_mode	Set dhcp server static ip mode states
set dhcp_startip	Set DHCP server start IP
set dhcp_staticip_set_disable	Set dhcp staticip disable
set dhcp_staticip_set_enable	Set dhcp staticip enable

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 0	Limited Administration Type
set ladvid	VLAN ID which can control device
set ladippool	Starting IP of the limited administration IP pool

	Note: The DHCP server assigns Dynamic IP addresses to Wireless Client devices. It doesn't assign IP to an Ethernet port.

Intrusion Commands

Intrusion Commands	Description
get intrusion	Display intrusion
set intrusion	Set intrusion
set rogue_set_type_mac	Set rogue AP index type and MAC < type macaddradd macaddress>

Multiple SSID and VLAN Commands

Multiple SSID and VLAN Commands	Description
set multi-auth	Set Authentication Type of Multi-SSID[index]
set multi-groupvid	Set Group VID of Multi-SSID[index]
set multi-acctstate	Set Accounting server state of Multi-SSID[index]
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-pri-state	Set Multi-SSID priority state

set multi-priority	Set priority of Multi-SSID[index]
set priority	Set priority of primary SSID
set multi-w-partition	Set wlan partition state of Multi-SSID[index]
set multi-cipher	Set Cipher type of Multi-SSID[index]
get multi-d-wepkeylen	Display 802.1X dynamic WEP Key Length of Multi-SSID[index]
get multi-d-wepkeyupdate	Display 802.1X dynamic WEP Rekey Interval of Multi-SSID[index]
get multi-groupvid	Display Group VID of Multi-SSID[index]
get multi-pri-state	Display Multi-SSID pripority state
get multi-auth	Display authentication type of Multi-SSID [index]
get multi-updownlink	Display uplink/downlink state of Multi-SSID[index]
get multi-priority	Display Priority of Multi-SSID[index]
get priority	Display Priority of primary SSID
get multi-w-partition	Display wlan partition state 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-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-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-wepkey	Display encryption key (index: 1--4) of Multi-SSID [index]
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]

set multi-defkeyindex	Set default key index [1-4] of Multi-SSID [index]
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-groupkeyupdate	Set group key update interval (in Sec: 0 (no update) or 300-99999) of Multi-SSID [index]
set multi-ind-state	Set Multi-SSID [index] individual 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	Set Multi-SSID state
set multi-ssid	Set ESSID of Multi-SSID [index]
set multi-ssidhidden	Set ssid hidden state of Multi-SSID[index]
set multi-pvid	Set PVID of Multi-SSID [index]
set multi-wmm	Set WMM state of Multi-SSID[index]

IGMP Commands

IGMP Commands	Description
get igmpsnoop	Display IGMP snooping
set igmpsnoop	Set igmp snooping states

QoS Commands

QoS Commands	Description
get qos	Display Quality of Service
set qos	Set Quality of Service

System Log Commands

System Log Commands	Description
get syslog	Display system log information
set syslog	Set sysLog settings

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
get arpspoofing	Display ARP Spoofing
set macaddradd	Add MAC address <macaddradd macaddress>
set macaddrdel	Delete MAC address <macaddrdel macaddress>
set arpspoofing	Set ARP Spoofing

Schedule Commands

Schedule Commands	Description
get scheduled	Display scheduled
set scheduled	Set scheduled

Utility and Miscellaneous Commands

Utility and 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 pingctl	Ping control
get uptime	Display UpTime
get hardware	Display hardware revisions
get trafficmgr	Display Traffic Manager setting
get web	Display Web information
get webredirect_state	Display Web Redirect State
get webredirect_list	Display Web Redirect Account List
set apply	Apply the setting
set factorydefault	Restore to factory default setting
get cpuinfo	Display cpu info percentage
get meminfo	Display mem info percentage
set trafficmgr	Set Traffic Manager
set pingctl	Ping Control
set web	Set Web status
set webredirect	Set Web Redirect
ssl freset	Use freset to factorydefault

Configuration Example

The following 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-3690. 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."

```
WAP0-> set ipaddr 192.168.0.55
WAP0-> set ipmask 255.255.255.0
WAP0-> set gateway 192.168.0.254
WAP0-> set apply
```

In addition, some users will want to set a channel for the DAP-3690. The following is an example in which the AP's channel is set to "6."

```
WAP0-> set channel 6
WAP0-> set apply
```

Users may also want to set an SSID for the DAP-3690. The following is an example in which the AP's SSID is set to "accounting."

```
WAP0-> set ssid accounting
WAP0-> set apply
```

Here is an example of how to use the TFTP server. In this example, we show you how to configure a file from a PC, use the TFTP server to get firmware from a PC, and to place a configuration file on a PC.

Note: Users must enable the TFTP server on the client side first before using these commands.

Get a configuration file from a PC. Use the format **tftp getconfig** [config file name] [host IP address].

```
WAP0-> tftp getconfig dap3690.dcf 1.49.12.1
tftp: The configuration file was successfully updated.
```

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].

```
WAP0-> tftp putconfig dap3690.dcf 1.49.12.1
tftp: The putconfig configuration file was successful.
```

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].

```
WAP0-> tftp getfirmware dap3690-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**.

```
WAP0-> set authentication open-system
WAP0-> set cipher no

WAP0-> set apply
```

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

```
WAP0-> set authentication shared-key
WAP0-> set key 1 1234567890
WAP0-> set defkeyindex 1
WAP0-> set cipher wep

WAP0-> set apply
```

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

```
WAP0-> set authentication wpa-psk
WAP0-> set cipher auto
WAP0-> set passphrase 1234567890
WAP0-> set apply
```

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

```
WAP0-> set authentication wpa-eap
WAP0-> set cipher auto
WAP0-> set radiusip 192.168.0.88
WAP0-> set radiussecret
WAP0-> set apply
```

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

```
WAP0-> set authentication wpa2-eap
```

```
WAP0-> set cipher auto
WAP0-> set radiusip 192.168.0.88
WAP0-> set radiussecret
WAP0-> set apply
```

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

```
WAP0-> set authentication wpa2-psk
WAP0-> set cipher auto
WAP0-> set passphrase 1234567890
WAP0-> set apply
```

The DAP-3690 doesn't need a reboot after making changes to the configuration.

Simply type: **set apply** to enable the new configuration to take effect immediately.