

8-Button Network Control Panel

Command Line Interface
1.2.03

Version Information

Version	Release Date	Notes
2	Mar 2023	New format

Commands

Command	Description
Broadcast	Enables or disabled Broadcast mode
GetAssociatedDevices	Displays a list of all devices added to the AT-ANC-108D
help	Displays a list of available help commands
IPAddUser	Adds a user for Telnet and web server access
IPCFG	Displays IP address configuration
IPDelUser	Deletes a user from Telnet and web server access
IPDHCP	Turns DHCP on / off
IPLogin	Enables or disables login credentials when starting a Telnet session
IPPort	Sets the Telnet listening port for the AT-ANC-108D
IPStatic	Sets the static IP address, subnet mask, and gateway for the AT-ANC-108D
IPTimeout	Specifies the time interval of inactivity before the TCP/IP session is closed
KeyPress	Changes the state of the Repeat toggle switch within the web server
LEDBackLight	Sets the overall brightness of the LED button indicators
LEDBlue	Sets the specified button to a blue color with an defined brightness
LEDBlues	Turns on all blue LED button indicators to the specified brightness level
LEDFlash	Flashes the specified LED button indicator using the specified color (red or blue)
LEDRed	Sets the specified button to a red color with an defined brightness
LEDReds	Turns on all red LED button indicators to the specified brightness level
LEDShow	Executes the front-panel LED demo mode
Macro	Runs the specified macro
MacroToggle	Changes the state of the Toggle switch within the web server
Mreset	Sets the unit back to default settings
PWSTA	Displays the power state of the unit
RHostName	Displays the hostname of the unit
SHostName	Sets the hostname of the unit
System	Displays system information for the AT-ANC-108D
Type	Displays the model of the unit
Version	Displays the current firmware version of the unit

Commands

Broadcast

Enables or disables broadcast mode. When set to on, any state change to the AT-ANC-108D will be reflected through Telnet. Changes can be caused by updating settings within the built-in web server, physical connection/disconnection of source/sink, and/or Telnet/TCP clients making changes. on = broadcast enabled; off = broadcast disabled; sta = displays the current setting. The default setting is on.

Syntax

Broadcast X

Parameter	Description	Range
X	Value	on, off, sta

Example

Broadcast on

Feedback

Broadcast on

GetAssociatedDevices

Displays a listing of all devices that the AT-ANC-108D is configured to control. This information can also be found under the **Device Settings** tab of the built-in web server.

Syntax

GetAssociatedDevices

This command does not require any parameters

Example

GetAssociatedDevices

Feedback

```
{“Command”: “GetAssociatedDevices”, “Devices”:  
[{"Enabled": “true”, “Name”: “AT-OME-ST31A”, “Port”:  
“23”, “IP”: “10.20.40.80”}]}
```

Commands

help

Displays the list of available commands. To obtain help on a specific command, enter the **help** command followed by the name of the command.

Syntax

```
help [X]
```

Parameter	Description	Range
X	Command name (optional)	Command

Example

```
help
```

Feedback

```
help
PWSTA
Version
Type
IPCFG
...
...
...
```

IPAddUser

Adds a user for web server and Telnet sessions. This command performs the same function as adding a user within the web server. Refer to User Manual for more information.

Syntax

```
IPAddUser X Y
```

Parameter	Description	Range
X	User name	String; 20 characters max.
Y	Password	String; 20 characters max.

Example

```
IPAddUser BigBoss b055man
```

Feedback

```
IPAddUser BigBoss b055man
TCP/IP user was added
```

IPCFG

Displays the current network settings for the unit.

Syntax

```
IPCFG
```

This command does not require any parameters

Example

```
IPCFG
```

Feedback

```
IP Addr:    10.0.1.101
Netmask:    255.255.255.0
Gateway:    10.0.1.1
Telnet Port: 23
```

IPDelUser

Deletes the specified user. Deleted users will no longer be able to access the web server or initiate Telnet sessions. This command performs the same function as removing a user within the web server.

Syntax

```
IPAddUser X Y
```

Parameter	Description	Range
X	User name	String; 20 characters max.

Example

```
IPDelUser BigBoss
```

Feedback

```
IPDelUser BigBoss
TCP/IP user was deleted
```

IPDHCP

Enables or disables DHCP mode on the unit. on = enables DHCP mode; off = disables DHCP mode; sta = displays the current setting. If this feature is disabled, then a static IP address must be specified for the unit. Refer to the [IPStatic](#) command for more information.

Syntax

```
IPDHCP X
```

Parameter	Description	Range
X	Value	on, off, sta

Example

```
IPDHCP on
```

Feedback

```
IPDHCP on
```

IPLogin

Enables or disables the use of login credentials when initiating a Telnet session on the AT-ANC-108D. If this feature is set to on, then the AT-ANC-108D will prompt for both the username and password. Use the same credentials as the web GUI. on = login credentials required; off = no login required. Use the sta argument to display the current setting. The default setting is on.

Syntax

```
IPLogin X
```

Parameter	Description	Range
X	State	on, off, sta

Example

```
IPLogin off
```

Feedback

```
IPLogin off
```

IPPort

Sets the TCP/IP listening port for the AT-ANC-108D.

Syntax

```
IPPort X
```

Parameter	Description	Range
X	Port	0 ... 65535

Example

```
IPPort 23
```

Feedback

```
IPPort 23
```

Commands

IPStatic

Sets the static IP address, subnet mask, and gateway (router) address of the unit. Before using this command, DHCP must be disabled on the unit. Refer to the **IPDHCP** command for more information. Each argument must be entered in dot-decimal notation and separated by a space. The default static IP address is 192.168.1.50.

Syntax

```
IPStatic X Y Z
```

Parameter	Description	Range
X	IP address	0 ... 255 (per byte)
Y	Subnet mask	0 ... 255 (per byte)
Z	Gateway (router)	0 ... 255 (per byte)

Example

```
IPStatic 192.168.1.112 255.255.255.0 192.168.1.1
```

Feedback

```
IPStatic 192.168.1.112 255.255.255.0 192.168.1.1
```

IPTimeout

Specifies the time interval of inactivity before the TCP/IP session is terminated. When terminated, both the Telnet and web server session will be closed. The default setting is 60 seconds.

Syntax

```
IPTimeout X
```

Parameter	Description	Range
X	Time (seconds)	1 ... 60000

Example

```
IPTimeout 300
```

Feedback

```
IPTimeout 300
```


Commands

KeyPress

Changes the state of the Repeat toggle switch within the web server.

Syntax

```
KeyPress X Y
```

Parameter	Description	Range
X	Button number	1 ... 8
Y	Button action	release, hold

Example

KeyPress 1 release

Feedback

KeyPress 1 RELEASE

LEDBackLight

Sets the overall brightness of the LED button indicators on the front panel of the AT-ANC-108D. This feature is useful when reducing the brightness of the front panel in a dark room. A value of 0 will turn off the LED button indicators.

Syntax

```
LEDBackLight X
```

Parameter	Description	Range
X	Brightness (percent)	0 ... 100

Example

LEDBackLight 50

Feedback

LEDBackLight 50

LEDBlue

Sets the specified button to a blue color. Use the second argument to adjust the brightness intensity. Also see the [LEDRed](#) command.

Syntax

```
LEDBlue X Y
```

Parameter	Description	Range
X	Button number	1 ... 8
Y	LED brightness	0 ... 100

Example

LEDBlue 1 75

Feedback

LEDBlue 1 75

Commands

LEDBlues

Turns on all blue LED button indicators to the specified brightness level. Also see the [LEDReds](#) command.

Syntax

```
LEDBlues X
```

Parameter	Description	Range
X	LED brightness	0 ... 100

Example

LEDBlues 50

Feedback

LEDBlues 50

LEDFlash

Flashes the specified LED button indicator using the specified color (red or blue). Use the `disable` argument to stop the flashing and return the button to its normal state.

Syntax

```
LEDFlash X Y
```

Parameter	Description	Range
X	Button number	1 ... 8
Y	Color	red, blue, disable

Example

LEDFlash 3 red

Feedback

LEDFlash 3 RED

LEDRed

Sets the specified button to a red color. Use the second argument to adjust the brightness intensity. Also see the [LEDBlue](#) command.

Syntax

```
LEDRed X Y
```

Parameter	Description	Range
X	Button number	1 ... 8
Y	LED brightness	0 ... 100

Example

LEDRed 2 75

Feedback

LEDRed 2 75

Commands

LEDReds

Turns on all red LED button indicators to the specified brightness level. Specify the `off` argument to turn off all red LED button indicators. Also see the [LEDBlues](#) command.

Syntax

```
LEDReds X
```

Parameter	Description	Range
X	LED brightness	0 ... 100, off

Example

```
LEDReds 50
```

Feedback

```
LEDReds 50
```

LEDShow

Executes a demo mode which turns on and off various LED button indicators on the front panel. Specify the `on` argument to begin the demo. Specify the `off` argument to `stop` the demo.

Syntax

```
LEDShow X
```

Parameter	Description	Range
X	State	on, off, toggle

Example

```
LEDShow off
```

Feedback

```
LEDShow OFF
```

Macro

Runs the specified macro. Specify the `run` argument to execute the macro. Specify the `stop` argument to halt execution of the macro.

Syntax

```
Macro [run | stop] X
```

Parameter	Description	Range
X	Macro ID	1 ... 16

Example

Macro run 1

Feedback

```
RUN MACRO[1] EVENT.
LEDRed 1 100
LEDRed 2 100
LEDRed 3 100
LEDRed 4 100
LEDRed 5 100
LEDRed 6 100
LEDRed 7 100
LEDRed 8 100
```

MacroToggle

Changes the state of the Toggle switch between ENABLE and DISABLE, within the web server. When specifying the second parameter (toggle state), 0 is used for macros 1 through 8 and the value 1 is used for macros 9 through 16. To return the toggle status of a macro, use the following command: `MacroToggle sta X`, where X is the macro ID.

Syntax

```
MacroToggle [sta] X Y
```

Parameter	Description	Range
X	Macro ID	1 ... 16
Y	Toggle state	0, 1

Example

MacroToggle 1 1

Feedback

```
MacroToggle 1 1
```

Mreset

Resets the unit to factory-default settings.

Syntax
Mreset

This command does not require any parameters

Example

Mreset

Feedback

Mreset

PWSTA

Displays the current power state of the unit.

Syntax
PWSTA

This command does not require any parameters

Example

PWSTA

Feedback

PWON

RHostName

Displays the hostname of the unit.

Syntax
RHostName

This command does not require any parameters

Example

RHostName

Feedback

ANC108D-001FEF

SHostName

Sets the hostname of the unit. The hostname must meet the hostname standards, defined here: <https://tools.ietf.org/html/rfc1123>.

Syntax

```
SHostName X
```

Parameter	Description	Range
X	Name	String

Example

```
SHostName ANC108D-ConfRm
```

Feedback

```
SHostName ANC108D-ConfRm
```

System

Displays system information for the AT-ANC-108D. The `sta` argument must be specified.

Syntax

```
System sta
```

This command does not require any additional parameters

Example

```
System sta
```

Feedback

```
Model: AT-ANC-108D
MAC Addr: b8-98-b0-00-1f-ef
Address Type: DHCP
IP Addr: 10.20.40.117
Netmask: 255.255.255.0
Gateway: 10.20.40.1
HTTP Port: 80
Telnet Port: 23
Firmware: 1.2.00
On/Up Time <dd HH:mm:ss>: 00 04:16:08
Power Status: PWON
Hostname: ANC108D-001FEF
```

Type

Displays the model information of the unit.

Syntax
Type

This command does not require any parameters

Example

Type

Feedback

AT-ANC-108D

Version

Displays the current firmware version of the unit.

Syntax
Version

This command does not require any parameters

Example

Version

Feedback

1.2.00

