Stereo / Mono

Audio Power Amplifier

60 Watts

Application Programming Interface

Version Information

Version	Release Date	Notes
1	May 2018	Initial release
2	Jul 2019	Added system sta command

Commands

The following tables provide an alphabetical list of commands available for the AT-GAIN-60. Commands are not case-sensitive. If the command fails or is entered incorrectly, then the feedback is "Unknown command".

⚠️ **IMPORTANT:** Each command is terminated with a carriage-return (0x0d) and the feedback is terminated with a carriage-return and line-feed (0x0a).

Command	Description
11AV	Sets the audio input source to **AUDIO IN 1**
21AV	Sets the audio input source to **AUDIO IN 2**
AVSTA	Displays the currently selected audio source
AutoSW	Sets the auto-switching mode
Blink	Enables or disables blinking of the **DEVICE ID** LED indicator on the front panel
Broadcast	Enables or disables broadcast mode
Clear	Clears the specified preset from memory
help	Displays the list of available commands
IPCFG	Displays the current network settings for the unit
IPDHCP	Enables or disables DHCP mode on the unit
IPLogin	Enables or disables login credentials when starting a Telnet session
IPPort	Sets the Telnet listening port for the unit
IPStatic	Sets the static IP address, subnet mask, and gateway for the unit
Mreset	Resets the unit to factory-default settings
PW	Displays the current power state of the unit
Reboot	Reboots the unit
Recall	Recalls the specified preset
Save	Saves the current configuration to a preset list
System	Displays the system status
Type	Displays the model of the unit
Version	Displays the current firmware version of the unit
VOL	Sets the level of the output volume
VOUTMute	Mutes the output volume

11AV

Sets the audio input source to **AUDIO IN 1**.

Syntax
11AV

This command does not require any parameters

Example
11AV

Feedback
11AV

21AV

Sets the audio input source to **AUDIO IN 2**.

Syntax
21AV

This command does not require any parameters

Example
21AV

Feedback
21AV

AVSTA

Displays the currently selected audio source.

Syntax
AVSTA

This command does not require any parameters

Example
AVSTA

Feedback
21AV

AutoSW

Enables or disables auto switching between the **ANALOG IN 1** and **ANALOG IN 2** port. Use the sta argument to display the current setting.

Syntax
AutoSW X

Parameter	Description	Range
X	Value	on, off, sta

Example
AutoSW on

Feedback
AutoSW on

Blink

Enables or disables blinking of the **PWR** LED indicator on the front panel. When set to on, the **PWR** LED indicator button will flash green and can be used to physically identify the unit on a network. The **PWR** LED indicator will flash until the Blink off command is executed. Use the sta argument to display the current setting. The default setting is off.

Syntax
Blink X

Parameter	Description	Range
X	Value	on, off, sta

Example
Blink on

Feedback
Blink on

Broadcast

Enables or disables broadcast mode. By default, broadcast mode is set to ON. When set to ON, any system changes will be broadcasted to the web GUI will also be affected on the control system (if connected), via TCP/IP. To separate control between the web GUI and Telnet, set this feature to OFF. Command queries such as IPCFG and Type will only return information to the requester. Use the sta argument to display the current setting.

Syntax
Broadcast X

Parameter	Description	Range
X	Value	on, off, sta

Example
Broadcast on

Feedback
Broadcast on

Clear

Deletes the specified preset. No space should exist between the first argument and the command. Use the Save command to create and save a preset.

Syntax
ClearX

Parameter	Description	Range
X	Preset	1 ... 8

Example
Clear1

Feedback
Clear1

CSpara

Sets the baud rate, data bits, parity bit, and stop bits for the serial device. Use the sta argument to display the current serial port settings.

Syntax
CSpara W X Y Z

Parameter	Description	Range
W	Baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200
X	Data bits	7, 8
Y	Parity bit	None, Odd, Even
Z	Stop bits	1, 2

Example
CSpara 115200 8 0 1

Feedback
CSpara 115200 8 0 1

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
Command   Description and parameters

11AV   Switch audio output to audio in 1
21AV   Switch audio output to audio in 2
AVSTA   Display the audio source selected
...
...

IPCFG

Displays the current network settings for the unit.

Syntax
IPCFG

This command does not require any parameters

Example
IPCFG

Feedback
Mac Addr: B8:98:B0:05:DF:F7
IP Addr: 10.0.1.101
Netmask: 255.255.255.0
Gateway: 10.0.1.1
Telnet Port: 23
HTTP Port: 80

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 IPQuit 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 starting a Telnet session on the unit. If this feature is set to on, then the unit 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.

Syntax
IPLogin X

Parameter	Description	Range
X	Value	on, off, sta

Example
IPLogin off

Feedback
IPLogin off

IPPort

Sets the Telnet listening port for the unit. Use the sta argument to display the current setting.

Syntax
IPPort X

Parameter	Description	Range
X	Port	0 ... 65535, sta

Example
IPPort 23

Feedback
IPPort 23

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 192.168.1.254.

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

Mreset

Resets the unit to factory-default settings.

Syntax
Mreset

This command does not require any parameters

Example
Mreset

Feedback
Mreset

Lock

Locks the buttons on the front panel, preventing accidental pressing of the buttons when the product is in operation. Use the Unlock command to unlock the buttons on the front panel.

Syntax
Lock

This command does not require any parameters

Example
Lock

Feedback
Lock

Mreset

Resets the unit to factory-default settings.

Syntax
Mreset

This command does not require any parameters

Example
Mreset

Feedback
Mreset

PW

Displays the power status of the unit. No space should exist between the first argument and the command. Use the sta argument to display the current setting.

Syntax
PWX

Parameter	Description	Range
X	State	on, off, sta

Example
PWON

Feedback
PWON

Reboot

Reboots the unit.

Syntax
Reboot

This command does not require any parameters

Example
Reboot

Feedback
Reboot

Recall

Recalls the specified preset. Use the Save command to create and save a preset to memory.

Syntax
Recall X

Parameter	Description	Range
X	Preset number	1 ... 8

Example
Recall 1

Feedback
Recall1

Save

Saves the current configuration to the specified preset

Syntax
Save X Y

Parameter	Description	Range
X	Preset number	1 ... 8
Y	Preset name	20 characters (max)

Example
Save 1 my_preset1

Feedback
Save1

System

Displays the system status. The sta argument must be specified.

Syntax
System X

Parameter	Description	Range
X	Constant	sta

Example
System sta

Feedback
Model: AT-GAIN-60
MAC Addr: B8:98:B0:05:E2:49
Address Type: DHCP
IP: 10.20.40.59
Netmask: 255.255.255.0
Gateway: 10.20.40.1
HTTP Port: 80
Telnet Port: 23
Firmware: 1.0.13
On/Up Time: 00:00:19:56
Hostname: AT-GAIN-60-00286

Type

Displays the model information of the unit.

Syntax
Type

This command does not require any parameters

Example
Type

Feedback
AT-GAIN-60

Unlock

Unlocks the front panel buttons.

Syntax
Unlock

This command does not require any parameters

Example
Unlock

Feedback
Unlock

Version

Displays the current firmware version of the unit.

Syntax
Version

This command does not require any parameters

Example
Version

Feedback
1.0.00

VOL

Sets the volume of the output audio signal. The + and - arguments can be used to increase or decrease the volume by 1. Use the sta argument to display the current setting.

Syntax
VOL X

Parameter	Description	Range
X	Level	0 ... 100, sta, +, -

Example
VOL 40

Feedback
VOL 40

VOUTMute

Enables or disables muting of the output audio signal. Use the sta argument to display the current setting.

Syntax
VOUTMute X

Parameter	Description	Range
X	State	on, off, sta

Example
VOUTMute on

Feedback
VOUTMute on