



Stereo / Mono
Audio Power Amplifier
120 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-120. 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
1AV	Sets the audio input source to the ANALOG IN port
2AV	Sets the audio input source to digital (AT-GAIN-NET card is required)
ASTA	Displays the currently selected audio source
ASwOutTime	Sets which port to switch to when no signal is detected
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
Trigger	Enables or disables the TRIGGER port
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

1AV

Sets the audio input source to the **ANALOG IN** port.

Syntax

```
1AV
```

This command does not require any parameters

Example

```
1AV
```

Feedback

```
1AV
```

2AV

Sets the audio input source to digital. The AT-GAIN-NET card is required for digital audio.

Syntax

```
2AV
```

This command does not require any parameters

Example

```
2AV
```

Feedback

```
2AV
```

ASTA

Displays the currently selected audio source.

Syntax

```
ASTA
```

This command does not require any parameters

Example

```
ASTA
```

Feedback

```
2AV
```

ASwOutTime

Sets the time interval, in seconds, before the unit automatically switches to the opposite audio input, if no signal is received from the current input. Use the *sta* argument to display the current setting.

Syntax

```
ASwOutTime X
```

Parameter	Description	Range
X	Time interval	3 ... 600, sta

Example

```
ASwOutTime 10
```

Feedback

```
ASwOutTime 10
```

AutoSW

Enables or disables auto switching between the analog or digital audio input. The digital input requires the AT-GAIN-NET card. 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 **DEVICE ID** LED indicator on the front panel. When set to on, the **DEVICE ID** LED indicator button will flash green and can be used to physically identify the unit on a network. The **DEVICE ID** LED indicator will flash until the Blink off command is executed. on = enables blinking; off = disables blinking. 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 broadcast 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. Use the **Save** command to create and save a preset.

Syntax

```
ClearX
```

Parameter	Description	Range
X	Preset	1 ... 8

Example

```
Clear1
```

Feedback

```
Clear1
```

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
```

```
1AV
```

```
Switch audio output to analog source
```

```
2AV
```

```
Switch audio output to digital source
```

```
ASTA
```

```
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
```

PW

Displays the power status of the unit.

Syntax

```
PW
```

This command does not require any parameters

Example

```
PW
```

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-120
MAC Addr: B8:98:B0:05:E0:2E
Address Type: DHCP
IP: 10.20.40.68
Netmask: 255.255.255.0
Gateway: 10.20.40.1
HTTP Port: 80
Telnet Port: 23
Firmware: 1.0.14
On/Up Time: 00:01:46:25
Hostname: AT-GAIN-120-00061
```

Trigger

Enables or disables the **TRIGGER** port. Use the sta argument to display the current setting.

Syntax

```
Trigger X
```

Parameter	Description	Range
X	State	on, off, sta

Example

```
Trigger on
```

Feedback

```
Trigger on
```

Type

Displays the model information of the unit.

Syntax

```
Type
```

This command does not require any parameters

Example

```
Type
```

Feedback

```
AT-GAIN-120
```

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
```

VOU TMute

Enables or disables muting of the output audio signal. The **LINE OUT**, **4 / 8 Ω OUT**, and **70V / 100V OUT** ports are affected. Use the sta argument to display the current setting.

Syntax

```
VOU TMute X
```

Parameter	Description	Range
X	State	on, off, sta

Example

```
VOU TMute on
```

Feedback

```
VOU TMute on
```

