Stereo / Mono
Audio Power Amplifier
120 Watts
Application Programming Interface
# Version Information

<table>
<thead>
<tr>
<th>Version</th>
<th>Release Date</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>May 2018</td>
<td>Initial release</td>
</tr>
<tr>
<td>2</td>
<td>Jul 2019</td>
<td>Added system sta command</td>
</tr>
</tbody>
</table>
## 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).

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>1AV</td>
<td>Sets the audio input source to the <strong>ANALOG IN</strong> port</td>
</tr>
<tr>
<td>2AV</td>
<td>Sets the audio input source to digital (AT-GAIN-NET card is required)</td>
</tr>
<tr>
<td>ASTA</td>
<td>Displays the currently selected audio source</td>
</tr>
<tr>
<td>ASwOutTime</td>
<td>Sets which port to switch to when no signal is detected</td>
</tr>
<tr>
<td>AutoSW</td>
<td>Sets the auto-switching mode</td>
</tr>
<tr>
<td>Blink</td>
<td>Enables or disables blinking of the <strong>DEVICE ID</strong> LED indicator on the front panel</td>
</tr>
<tr>
<td>Broadcast</td>
<td>Enables or disables broadcast mode</td>
</tr>
<tr>
<td>Clear</td>
<td>Clears the specified preset from memory</td>
</tr>
<tr>
<td>help</td>
<td>Displays the list of available commands</td>
</tr>
<tr>
<td>IPCFG</td>
<td>Displays the current network settings for the unit</td>
</tr>
<tr>
<td>IPDHCP</td>
<td>Enables or disables DHCP mode on the unit</td>
</tr>
<tr>
<td>IPLogin</td>
<td>Enables or disables login credentials when starting a Telnet session</td>
</tr>
<tr>
<td>IPPort</td>
<td>Sets the Telnet listening port for the unit</td>
</tr>
<tr>
<td>IPStatic</td>
<td>Sets the static IP address, subnet mask, and gateway for the unit</td>
</tr>
<tr>
<td>Mreset</td>
<td>Resets the unit to factory-default settings</td>
</tr>
<tr>
<td>PW</td>
<td>Displays the current power state of the unit</td>
</tr>
<tr>
<td>Reboot</td>
<td>Reboots the unit</td>
</tr>
<tr>
<td>Recall</td>
<td>Recalls the specified preset</td>
</tr>
<tr>
<td>Save</td>
<td>Saves the current configuration to a preset list</td>
</tr>
<tr>
<td>System</td>
<td>Displays the system status</td>
</tr>
<tr>
<td>Trigger</td>
<td>Enables or disables the <strong>TRIGGER</strong> port</td>
</tr>
<tr>
<td>Type</td>
<td>Displays the model of the unit</td>
</tr>
<tr>
<td>Version</td>
<td>Displays the current firmware version of the unit</td>
</tr>
<tr>
<td>VOL</td>
<td>Sets the level of the output volume</td>
</tr>
<tr>
<td>VOUTMute</td>
<td>Mutes the output volume</td>
</tr>
</tbody>
</table>
Commands

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
```
**Commands**

**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.

<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASwOutTime X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Time interval</td>
<td>3 ... 600, sta</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>AutoSW X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Value</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Syntax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blink X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Value</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

**Example**

```
Blink on
```

**Feedback**

```
Blink on
```
Commands

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Value</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

Example

Broadcast on

Feedback

Broadcast on

Clear

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

Syntax

ClearX

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Preset</td>
<td>1 ... 8</td>
</tr>
</tbody>
</table>

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
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Value</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

**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
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Value</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

**Example**

IPLogin off

**Feedback**

IPLogin off
Commands

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

**Syntax**
```
IPPort X
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Port</td>
<td>0 ... 65535, sta</td>
</tr>
</tbody>
</table>

**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
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>IP address</td>
<td>0 ... 255 (per byte)</td>
</tr>
<tr>
<td>Y</td>
<td>Subnet mask</td>
<td>0 ... 255 (per byte)</td>
</tr>
<tr>
<td>Z</td>
<td>Gateway (router)</td>
<td>0 ... 255 (per byte)</td>
</tr>
</tbody>
</table>

**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
Commands

**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
**Commands**

**Save**
Saves the current configuration to the specified preset

**Syntax**
Save X Y

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Preset number</td>
<td>1 ... 8</td>
</tr>
<tr>
<td>Y</td>
<td>Preset name</td>
<td>20 characters (max)</td>
</tr>
</tbody>
</table>

**Example**
Save 1 my_preset1

**Feedback**
Save1

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

**Syntax**
System X

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Constant</td>
<td>sta</td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>State</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

**Example**

Trigger on

**Feedback**

Trigger on

---

**Type**

Displays the model information of the unit.

**Syntax**

-- Type

**Example**

Type

**Feedback**

AT-GAIN-120

---

**Version**

Displays the current firmware version of the unit.

**Syntax**

-- Version

**Example**

Version

**Feedback**

1.0.00
Commands

**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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Level</td>
<td>0 ... 100, sta, +, -</td>
</tr>
</tbody>
</table>

**Example**

VOL 40

**Feedback**

VOL 40

**VOUTMute**

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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>State</td>
<td>on, off, sta</td>
</tr>
</tbody>
</table>

**Example**

VOUTMute on

**Feedback**

VOUTMute on