Stereo / Mono Mixer Amplifier

120 / 240 Watt

Application Programming Interface

AT-GAIN-M120
AT-GAIN-M240

Atlona Manuals
Audio Amplifiers

Version Information

Version	Release Date	Notes
1	Mar 2026	Initial release

Commands

General

This document provides an alphabetical list of commands available for AT-GAIN-M120 / M240. Commands are case-sensitive. If the command fails or is entered incorrectly, then the feedback is “Command FAILED”. Commands are sent using RS-232. There should be a 500 millisecond delay between each command sent to the unit.

IMPORTANT: Terminate each command with a carriage return (0x0d) and line feed (0x0a). All feedback responses must use the same termination sequence.

Command	Description
Blink	Enables or disables blinking of all front-panel LED indicators.
Broadcast	Enables or disables broadcast mode.
ClipHold	Sets the release time for the front-panel level indicator when clipping occurs.
ConnectDANTE	Selects Dante as the input source.
ConnectStatus	Returns the current state of Dante audio streams.
DanteInserted	Detects if a Dante card is installed.
Disconnect	Disconnects the specified audio stream.
DUCKING	Configures audio ducking.
help	Displays the list of available commands.
INPUT	Configures the inputs.
IPCFG	Displays the current network settings for the AT-GAIN-M120 / M240.
IPDHCP	Enables or disables DHCP on the AT-GAIN-M120 / M240.
IPPort	Sets the TCP/IP listening port for the AT-GAIN-M120 / M240.
IPStatic	Sets the static IP address and other information for the AT-GAIN-M120 / M240.
MIXER	Mixer configuration.
Mreset	Resets the unit to factory-default settings.
NoSignalSet	Places the AT-GAIN-M120 / M240 into standby modes.
NoSignalTime	Sets the time interval for standby modes.
OUTPUT	Set the output level or mutes/unmutes the specified output.
PWOFF	Execute this command to power-off the unit.
PWON	Execute this command to power-on the unit.
PWSTA	Displays the power state of the unit.
Reboot	Performs a soft reboot of the AT-GAIN-M120 / M240.
SERC	Configures the RS-232 serial port.
SSH	Enables or disables the SSH protocol.
StbyMode	Sets the standby mode to be used.
STNDBY	Places the AT-GAIN-M120 / M240 in low-power mode.
System	Displays the status of the unit.
Telnet	Enables or disables the Telnet protocol.
Trigger	Returns the open (no) or closed (nc) status of the PA sense trigger port.
TriggerMode	Sets the state of the sense trigger port.
TriggerOperation	Sets the trigger operation.
Type	Displays the model of the unit.
Version	Displays the current firmware version of the unit.

Blink

Enables or disables blinking of all LED indicators on the front panel, including the level meter. Blinking will continue until the `Blink off` command is executed or the unit is rebooted. `on` = enables blinking; `off` = disables blinking; `sta` = returns the current setting. The default setting is `off`.

Syntax
`Blink state`

Parameter	Description	Range
`state`	String	`on, off, sta`

Example
`Blink on`

Feedback
`Blink on`

Broadcast

Enables or disables broadcast mode. When set to on, any state change to the AT-GAIN-M120 / M240 will be reflected through RS-232, Telnet, and TCP port 9000. 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` = returns the current setting. The default setting is `on`.

Syntax
`Broadcast state`

Parameter	Description	Range
`state`	String	`on, off, sta`

Example
`Broadcast on`

Feedback
`Broadcast on`

ClipHold

Sets the release time (in seconds) after a clipping event occurs. The front-panel meter will hold the clipping level until the release time expires.

Syntax
`ClipHold rTime`

Parameter	Description	Range
`rTime`	Release time	`1...60`

Example
`ClipHold 10`

Feedback
`ClipHold 10`

ConnectDANTE

Selects Dante as the input source and subscribes the device to the specified Dante transmit stream. The `@` symbol must be specified between the first and second argument with no spaces.

Syntax
`ConnectDANTE stream@device channel`

Parameter	Description	Range
`stream`	Stream name	`LINE IN 1...LINE IN 4`
`device`	Dante device name	`String value`
`channel`	Channel number	`1, 2`

Example
`ConnectDANTE LINE IN 1@OMNI232 1`

Feedback
`ConnectDANTE LINE IN 1@OMNI232 1`

ConnectStatus

Returns the current state of Dante audio streams.

Syntax
`ConnectStatus channel`

Parameter	Description	Range
`channel`	Channel number	`1...2`

Example
`ConnectStatus 1`

Feedback
`ConnectStatus 1 OMNI232`

DanteInserted

Detects if a Dante card is installed. The `sta` argument must be specified.

Syntax
`DanteInserted sta`

Parameter	Description	Range
`sta`	Required	`sta`

Example
`DanteInserted sta`

Feedback
`DanteInserted 0`

Disconnect

Disconnects the specified audio stream.

Syntax
`Disconnect channel`

Parameter	Description	Range
`channel`	Channel number	`1, 2`

Example
```
Disconnect 1
```

Feedback
```
Disconnect 1
```

DUCKING

Configures audio ducking. Each parameter must be followed by a value within the specified range. Execute the `DUCKING sta` command to return the current ducking settings. Execute `DUCKING def` to return ducking settings to default values.

Syntax
`DUCKING inputX [enable/disable] depthX thresholdX attackX releaseX`

Parameter	Description	Range
`inputX`	Input	`X = {1...6}`
`enable/ disable`	Enable or disable ducking	`enable, disable`
`depthX`	Maximum attenuation (dB)	`X = {-60...0}`
`thresholdX`	Threshold (dB)	`X = {-60...0}`
`attackX`	Attack (ms)	`X = {1...5000}`
`releaseX`	Release (ms)	`X = {1...5000}`

Example
```
DUCKING input1 enable depth-30
threshold-60 attack1000 release2000
```

Feedback
```
Ducking input1 enabled
Ducking input1 depth: -30
Ducking input1 threshold: -60
Ducking input1 attack: 1000
Ducking input1 release: 2000
```

help

Displays the list of commands.

Syntax
help

This command does not require any parameters

Example

```
help
```

Feedback

```
**ATL CMD LIST*****
--help       - Show all commands
--PWON       - This turns the unit back on
from Network Standby
--PWOFF       - This puts the unit into
whatever Standby mode has been enabled by
StbyMode
--PWSTA       - Get the current power
status
...
...
```

INPUT

Configures the inputs.

Syntax
INPUT inputX gainX [mute/unmute] type X mode X

Parameter	Description	Range
inputX	Input	X = {1...6}
gainX	Input gain	X = {-60...10}
mute/ unmute	Mute or unmute	mute, unmute
type X	Signal type	X = {balance, unbalance}
mode X	Mode	X = {stereo, mono}

Example

```
INPUT input1 gain-20 mute type unbalance
mode mono
```

Feedback

```
Set Input1 mode mono
Set Input1 Gain:-10 dB
Set Input1 Type:unbalance
Set Input1 Mute
```

IPCFG

Displays the current network settings of the AT-GAIN-M120 / M240.

Syntax
IPCFG

This command does not require any parameters

Example
IPCFG

Feedback
MacAddr B8:98:B0:06:03:A7
IPAddr 10.1.0.37
Netmask 255.255.254.0
Gateway 10.1.1.254
Telnet 23
HTTP 80

IPDHCP

Enables or disables DHCP mode on the AT-GAIN-M120 / M240. Specify the sta argument to return the current state. DHCP is enabled by default. 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 state

Parameter	Description	Range
state	String	on, off, sta

Example
IPDHCP off

Feedback
IPDHCP off

IPPort

Sets the TCP/IP listening port for the AT-GAIN-M120 / M240. Avoid using ports reserved for common services (e.g., HTTP 80, HTTPS 443, SSH 22, FTP 21, Telnet 23) and any ports restricted by an organization's firewall/security policy. Consult the IT administrator for more information.

Syntax
IPPort port

Parameter	Description	Range
port	Integer	[port]

Example
IPPort 50000

Feedback
IPPort 50000

IPStatic

Sets the static IP address, subnet mask, and gateway (router) address of the unit. Each argument must be separated by a space. Before using this command, DHCP must be disabled on the unit. Refer to IPDHCP for more information.

Syntax
`IPStatic ipAddr subNet gateway`

Parameter	Description	Range
`ipAddr`	IP address	`0...255` (per byte)
`subNet`	Subnet mask	`0...255` (per byte)
`gateway`	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`

MIXER

Mixer configuration. Execute the `MIXER sta` command to return the current mixer settings. Execute `MIXER def` to return mixer settings to default values.

Syntax
`MIXER OX IX gainx [mute / unmute]`

Parameter	Description	Range
`OX`	Output	`X = {1...6}`
`IX`	Input	`X = {1...6}`
`gainX`	Gain	`X = {-60...0}`

Example
`MIXER O1 I1 gain-20 mute`

Feedback
`Mixer O1 - I1 Gain:-20 dB`
`Mixer O1 - I1 Mute:1`

Mreset

Resets the AT-GAIN-M120 / M240 to factory-default settings.

Syntax
Mreset

This command does not require any parameters

Example
`Mreset`

Feedback
`Mreset`

NoSignalSet

This command is used to place the AT-GAIN-M120 / M240 into Network Standby mode and/or Low Power Standby mode.

Syntax
`NoSignalSet mode state`

Parameter	Description	Range
`mode`	Mode	`Network, Lowpower`
`state`	State	`ON, OFF`

Example
`NoSignalSet Network ON`

Feedback
`Set NoSignalSet Network ON`

NoSignalTime

Sets the Network Standby Timer and/or Low Power Standby Timer to the specified time interval. The default time interval is 15 minutes for Network Standby and 30 minutes for Low Power Standby, when enabled.

Syntax
`NoSignalTime mode time`

Parameter	Description	Range
`mode`	Mode	`Network, Lowpower`
`time`	Time interval (min)	`1...1440`

Example
`NoSignalTime Network 30`

Feedback
`Set NoSignalTime Network 30`

OUTPUT

Sets the output volume level in dB. The output number must immediately follow the command with no space. A space is required between the output number and the level value. To mute or unmute the selected output, use the `mute` or `unmute` argument instead of a level value.

Syntax
`OUTPUTout lvl`

Parameter	Description	Range
`out`	Output	`1...6`
`lvl`	Level (dB) or muting	`-108...0, mute, unmute`

Examples

```
OUTPUT1 -20
OUTPUT1 mute
OUTPUT1 unmute
```

Feedback

```
Set OUTPUT1 -20
Set OUTPUT1 1
Set OUTPUT1 0
```

PWOFF

Executing this command will turn off the AT-GAIN-M120 / M240 according to the standby mode set by the StbyMode command. Use the PWON command to turn on the AT-GAIN-M120 / M240.

- If StbyMode is set to `Eco`, sending the `PWOFF` command will place the unit in Eco standby mode.
- If StbyMode is set to `Net`, sending the `PWOFF` command will place the unit in Net standby mode.

Syntax
`PWOFF`

This command does not require any parameters

Example

```
PWOFF
```

Feedback

```
PWOFF
```

PWON

Executing this command will turn on the AT-GAIN-M120 / M240 according to the standby mode set by the StbyMode command. Use the PWOFF command to turn off the AT-GAIN-M120 / M240.

- If StbyMode is set to `Eco`, sending the `PWON` command will turn on the AT-GAIN-M120 / M240 from the `Eco` standby mode.
- If StbyMode is set to `Net`, sending the `PWON` command will turn on the AT-GAIN-M120 / M240 from the `Net` standby mode.

Syntax
`PWON`

This command does not require any parameters

Example
`PWON`

Feedback
`PWON`

PWSTA

Displays the current power state of the AT-GAIN-M120 / M240.

Syntax
PWSTA

This command does not require any parameters

Example
`PWSTA`

Feedback
`PWON`

Reboot

Performs a soft reboot of the AT-GAIN-M120 / M240.

Syntax
Reboot

This command does not require any parameters

Example
`Reboot`

Feedback
`Reboot`

SERC

Sets the baud rate, data bits, parity bit, and stop bits for the console serial port. Each argument must be separated by a comma; no spaces are permitted. Brackets must be used when executing this command. Specify the `sta` argument, with no brackets and a space between the argument and the command, to display the current serial port settings.

Syntax
`SERC [baudRt,dataBt,parityBt,StopBt]`

Parameter	Description	Range
`baudRt`	Baud rate	`2400, 4800, 9600, 19200, 38400, 57600, 115200`
`dataBt`	Data bits	`7, 8`
`parityBt`	Parity bit	`0` (None), `1` (Odd), `2` (Even)
`StopBt`	Stop bits	`1, 2`

Example
`SERC [115200,8,0,1]`

Feedback
`SERC [115200,8,0,1]`

SSH

Enables or disables the SSH protocol. SSH is enabled by default.

Syntax
`SSH state`

Parameter	Description	Range
`state`	String	`on, off, sta`

Example
`SSH off`

Feedback
`SSH off`

StbyMode

Sets the standby mode to be used. Specify the `sta` argument to return the current setting. The `Eco` and `Net` arguments are case-sensitive.

`Eco` - Default mode. This low-power mode consumes 0.5 watts, which complies with ERP regulations. The unit will automatically go into this standby after 15 minutes of inactivity. To turn the unit back on, execute the PWON command through RS-232.

`Net` - This low-power mode consumes approximately 2.2 watts. To turn the unit back on, execute the PWON command.

`Off` - Disables standby mode.

Syntax
`StbyMode X`

Parameter	Description	Range
`X`	Mode	`Eco, Net, Off sta`

Example
`StbyMode Eco`

Feedback
`StbyMode Eco`

STNDBY

Places the AT-GAIN-M120 / M240 in Eco mode, regardless of what StbyMode is selected. This complies with ErP power consumption limits of < 0.5 watts.

Syntax
`STNDBY`

This command does not require any parameters

Example
`STNDBY`

Feedback
`STNDBY`

System

Returns the status of the unit. The `sta` argument must be specified.

Syntax
`System sta`

Parameter	Description	Range
`sta`	Required	`sta`

Example
```
System sta
```

Feedback
```
Model AT-GAIN-M240
MacAddr B8:98:B0:06:03:A7
IPAddr 10.1.0.37
Netmask 255.255.254.0
Gateway 10.1.1.254
HTTP 80
Telnet 23
Version 1.0.0
OnUpTime 0:00:01:18
Hostname AT-GAIN-M240
OutputType 4Ohms
```

Telnet

Enables or disables the Telnet protocol. Telnet is disabled by default.

Syntax
`Telnet state`

Parameter	Description	Range
`state`	Status	`on, off, sta`

Example
```
Telnet on
```

Feedback
```
Telnet on
```

Trigger

Returns the open (no) or closed (nc) status of the PA sense trigger port. Specify the `sta` argument to return the current setting.

Syntax
`Trigger state`

Parameter	Description	Range
`state`	State	`on, off, sta`

Example
`Trigger on`

Feedback
`Trigger on`

TriggerMode

Sets the trigger to either normally-open (NO) or normally-closed (NC). The default setting is normally-open (NO). Specify the `sta` argument to return the current setting.

Syntax
`TriggerMode state`

Parameter	Description	Range
`state`	State	`no, nc, sta`

Example
`TriggerMode nc`

Feedback
`TriggerMode nc`

TriggerOperation

Sets the trigger operation. Specify the `sta` argument to return the current setting.

Syntax
`TriggerOperation state`

Parameter	Description	Range
`state`	State	`eco, net, mute, sta`

Example
`TriggerOperation eco`

Feedback
`TriggerOperation eco`

Type

Returns the model information of the unit.

Syntax
Type

This command does not require any parameters

Example
Type

Feedback
AT-GAIN-M120

Version

Displays the current firmware version of the unit.

Syntax
Version

This command does not require any parameters

Example
Version

Feedback
Version 1.0.0