



4K HDR Multi-Channel to Two-Channel Audio Converter

Application Programming Interface

AT-HDR-M2C | Atlona Manuals
AT-HDR-M2C-QUAD | **Audio**

Version Information

Version	Release Date	Notes
1	07/18	Initial release

Commands

The following tables provide an alphabetical list of commands available on both the AT-HDR-M2C and AT-HDR-M2C-QUAD. All commands are case-sensitive and must be entered as documented. If the command fails or is entered incorrectly, then the feedback is “Command FAILED”. References to AT-HDR-M2C also apply to the AT-HDR-M2C-QUAD.



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
AudioOut	Enables / disables PCM audio on the HDMI output
BASS	Adjusts the bass on the audio output
Broadcast	Enables / disables broadcast mode
HDCPSet	Sets the HDCP mode on the HDMI input
help	Displays the list of available commands
IPAddUser	Adds a user to TCP/IP control
IPCFG	Displays the IP settings of the AT-HDR-M2C
IPDelUser	Deletes the specified user from TCP/IP control
IPDHCP	Enables / disables DHCP mode
IPLogin	Enables / disables IP login
IPStatic	Sets the static IP address of the AT-HDR-M2C
IPTimeout	Sets the TCP/IP timeout interval before the connection is terminated
Mreset	Resets the AT-HDR-M2C to factory-default settings
PrefTimg	Sets the preferred timing on the output
TREBLE	Adjusts the treble on the audio output
Type	Displays the model information of the AT-HDR-M2C
Version	Displays the firmware version of the AT-HDR-M2C
VOUT	Adjusts the volume of the audio output
VOUTMute	Mutes / un-mutes the audio on the analog AUDIO OUT and HDMI ports

AudioOut

Enables / disables audio on the **HDMI - PCM 2, OPTICAL**, and analog output ports. on = enables the audio output; off = disables audio output; sta = displays the current AudioOut1 setting. Note that the **HDMI - PCM 2** port is not available on the AT-HDR-M2C-QUAD.

Syntax

```
AudioOut1 X
```

Parameter	Description	Range
X	State	on, off, sta

Examples

```
AudioOut1 on
```

Feedback

```
AudioOut1 on
```

BASS

Increases / decreases the amount of bass on the **HDMI - PCM 2, OPTICAL**, and analog output port. In addition to specifying an integer value, the + and - arguments can be used, by themselves, to increase or decrease the bass by 1 value, respectively. To display the current value, execute the BASS1 command without any arguments. Note that the **HDMI - PCM 2** port is not available on the AT-HDR-M2C-QUAD.

Syntax

```
BASS1 X
```

Parameter	Description	Range
X	Value	-15 ... 15

Example

```
BASS1 -5  
BASS1 +
```

Feedback

```
BASS1 -5  
BASS1 -4
```

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
```

HDCPSet

Set the HDCP reporting mode of the **HDMI IN** port. Some devices will automatically send HDCP content if an HDCP-compliant display is detected. Setting this value to off, will force the device to ignore detection of HDCP-compliant displays, allowing non-HDCP content to be transmitted from the source. Note that disabling this feature will *not* decrypt HDCP content. on = enables HDCP detection; off = disables HDCP detection; sta = displays the current HDCPSet1 setting.

Syntax

```
HDCPSet1 X
```

Parameter	Description	Range
X	Value	on, off, sta

Example

```
HDCPSet1 on
```

Feedback

```
HDCPSet1 on
```

help

Displays a list of all available commands.

Syntax

```
help
```

This command does not require any parameters

Example

```
help
```

Feedback

```
Command List
```

```
-----
```

```
help
IPCFG
IPDHCP
...
...
TREBLE1
```

IPAddUser

Adds the specified user. This command performs the same function as adding a user within the web GUI. Refer to the User Manual for more information.

Syntax

```
IPAddUser X
```

Parameter	Description	Range
X	User	User name

Example

```
IPAddUser minion2
```

Feedback

```
IPAddUser minion2
TCP/IP user was added
```

IPCFG

Displays the current network settings for the AT-HDR-M2C.

Syntax

```
IPCFG
```

This command does not require any parameters

Example

```
IPCFG
```

Feedback

```
IP Addr 10.0.1.86
Netmask 255.255.255.0
Gateway 10.0.1.1
IP Port 23
```

IPDelUser

Deletes the specified user. Deleted users will no longer be able to access the web GUI or initiate Telnet sessions. This command performs the same function as removing a user within the web GUI. Refer to the User Manual for more information.

Syntax

```
IPDelUser X
```

Parameter	Description	Range
X	User	User name

Example

```
IPDelUser Minion2
```

Feedback

```
IPDelUser Minion2
TCP/IP user was deleted
```

IPDHCP

Enables / disables DHCP mode on the AT-HDR-M2C. on = enables DHCP mode; off = disables DHCP mode; sta = displays the current IPDHCP setting. If this feature is disabled, then a static IP address must be specified for the AT-HDR-M2C. Refer to the [IPStatic](#) command.

Syntax

```
IPDHCP X
```

Parameter	Description	Range
X	Value	on, off, sta

Example

```
IPDHCP on
```

Feedback

```
IPDHCP on
```

IPLogin

Enables / disables the use of login credentials when starting a Telnet session using the AT-HDR-M2C. If this feature is set to on, then the AT-HDR-M2C will prompt for both the username and password. Use the same credentials as the web GUI. on = login credentials required; off = no login required; sta = displays the current IPLogin setting.

Syntax

```
IPLogin X
```

Parameter	Description	Range
X	Value	on, off, sta

Example
IPLogin off

Feedback
IPLogin off

IPPort

Sets the TCP/IP listening port.

Syntax

```
IPPort X
```

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

Example
IPPort 230

Feedback
IPPort 230

IPStatic

Sets the static IP address, subnet mask, and gateway (router) address. Before using this command, DHCP must be disabled on the AT-HDR-M2C. 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
```

IPTimeout

Specifies the time interval of inactivity before the Telnet session is automatically closed.

Syntax

```
IPTimeout X
```

Parameter	Description	Range
X	Interval (in seconds)	0 ... 300

Example

```
IPTimeout 60
```

Feedback

```
IPTimeout 60
```

Mreset

Resets the unit to factory-default settings.

Syntax

```
MReset
```

This command does not require any parameters

Example

```
Mreset
```

Feedback

```
Mreset
```

PrefTimg

Sets the preferred timing of the input video signal. When selecting **HDMI OUT** or **HDMI PCM 2**, the device will use the EDID of the display/sink device, connected to that output. If no sink is present, then this option will not be available. Note that the **HDMI - PCM 2** port is not available on the AT-HDR-M2C-QUAD.

Syntax

```
PrefTimg X
```

Parameter	Description	Range
X	Value	0 ... 10

Preferred Timing List

0 = 1280 x 800

1 = 1920 x 1080

2 = 1024 x 768

3 = 1280 x 720

4 = 1920 x 1200

5 = 1366 x 768

6 = 800 x 600

7 = 1600 x 900

8 = 2560 x 1600

9 = 3840 x 2160 @ 30 Hz

10 = 3840 x 2160 @ 60 Hz

11 = HDMI OUT

12 = HDMI PCM 2

Example

```
PrefTimg 2
```

Feedback

```
PrefTimg 2
```

TREBLE

Increases / decreases the amount of treble **HDMI - PCM 2**, **OPTICAL**, and analog output port. In addition to specifying an integer value, the + and - arguments can be used, by themselves, to increase or decrease the amount of treble by 1 value, respectively. To display the current value, execute the TREBLE1 command without any arguments. Note that the **HDMI - PCM 2** port is not available on the AT-HDR-M2C-QUAD.

Syntax

```
TREBLE1 X
```

Parameter	Description	Range
X	Value	-15 ... 15

Example

```
TREBLE1 8
```

```
TREBLE1 -
```

Feedback

```
TREBLE1 8
```

```
TREBLE1 7
```

Type

Displays the model information.

Syntax

```
Type
```

This command does not require any parameters

Example

```
Type
```

Feedback

```
AT-HDR-M2C
```

Version

Displays the current firmware version.

Syntax

```
Version
```

This command does not require any parameters

Example

```
Version
```

Feedback

```
0.2.05
```

VOUT

Increases / decreases the audio volume **HDMI - PCM 2**, **OPTICAL**, and analog output port. In addition to specifying an integer value, the + and - arguments can be used, by themselves, to increase or decrease the volume by 1 value, respectively. To display the current value, execute the VOUT1 command without any arguments. Note that the **HDMI - PCM 2** port is not available on the AT-HDR-M2C-QUAD.

Syntax

```
VOUT1
```

Parameter	Description	Range
X	Value	-80 ... 6

Example

```
VOUT1 4
```

```
VOUT1 +
```

Feedback

```
VOUT1 4
```

```
VOUT1 5
```

VOUTMute

Mutes / unmutes the audio on the **HDMI - PCM 2**, **OPTICAL**, and analog output port. on = enables muting; off = disables muting; sta = displays the current VOUTMute1 setting. Note that the **HDMI - PCM 2** port is not available on the AT-HDR-M2C-QUAD.

Syntax

```
VOUTMute1 X
```

Parameter	Description	Range
X	Value	on, off, sta

Example

```
VOUTMute1 on
```

Feedback

```
VOUTMute1 on
```

