



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	Jul 2017	Initial release
2	Oct 2019	System sta command now returns hostname information; Added SHostName and RHostName commands.

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”.



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 unit.
IPDelUser	Deletes the specified user from TCP/IP control.
IPDHCP	Enables / disables DHCP mode.
IPLogin	Enables / disables IP login.
IPPort	Sets the TCP/IP listening port for the unit.
IPQuit	Terminates the IP session.
IPStatic	Sets the static IP address of the unit.
IPTimeout	Sets the TCP/IP timeout interval before the connection is terminated.
Mreset	Resets the unit to factory-default settings.
PrefTimg	Sets the preferred timing on the output.
RHostName	Displays the hostname of the unit.
SHostName	Sets the hostname of the unit.
System	Displays network information about the unit.
TREBLE	Adjusts the treble on the audio output.
Type	Displays the model information of the unit.
Version	Displays the firmware version of the unit.
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. When set to on, any state change to the AT-HDR-M2C / AT-HDR-M2C-QUAD 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 = displays the current setting. The default setting is on.

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 unit.

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 unit. 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 unit. 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 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; 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 for the unit. It is not recommended to use the following ports:

80 (HTTP)
 443 (HTTPS)
 22 (SSH)
 9000 - 9100 (TCP socket ports)

Syntax

```
IPPort X
```

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

Example
 IPPort 230

Feedback
 IPPort 230

IPQuit

Terminates the IP session.

Syntax

```
IPQuit
```

This command does not require any parameters

Example
 RHostName

Feedback
 M2CQUAD-00012E

IPStatic

Sets the static IP address, subnet mask, and gateway (router) address. 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
```

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
```

RHostName

Displays the hostname of the unit. Execute the **SHostName** command to set the hostname of the unit.

Syntax

```
RHostName
```

This command does not require any parameters

Example

```
RHostName
```

Feedback

```
M2CQUAD-00012E
```

SHostName

Sets the hostname of the unit. This value can be changed to easily identify the unit on a network or within the Atlona Management System (AMS). If using a custom hostname, it must meet the hostname standards defined here: <https://tools.ietf.org/html/rfc1123>.

Syntax

```
SHostName X
```

Parameter	Description	Range
X	Value	String

Example
SHostName

Feedback

System

Displays information about the AT-DISP-CTRL. The sta argument must be specified.

Syntax

```
System X
```

Parameter	Description	Range
X	Constant	sta

Example
System sta

Feedback

```
Model: AT-HDR-M2C-QUAD
MAC Addr: B8:98:B0:00:01:2E
Address Type: DHCP
IP Addr: 10.20.40.170
Netmask: 255.255.255.0
Gateway: 10.20.40.1
HTTP Port: 80
Telnet Port: 23
Firmware: 1.0.08
On/Up Time <dd HH:mm:ss>: 03 19:14:43
Hostname: M2CQUAD-00012E
```

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
```

