



OMEGA™
4K/UHD Scaler
for HDBaseT and HDMI with USB

Application Programming Interface

Version Information

Version	Release Date	Notes
1	02/19	Release

Commands

The following tables provide an alphabetical list of commands available on the AT-OME-SR21.

Commands can be sent using RS-232 or Telnet.

There should be a 0.5 second delay between each command sent to the unit.

Default port for Telnet is 23.

Default port for SSH is 22.

Each command is case sensitive, do not change: capitalization, spacing, or lettering.

Each command is terminated with a carriage return.

If the command fails or is incorrect the feedback should be "Command FAILED:" followed by the sent 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
Blink	Enable/Disable blinking of the front panel POWER LED
CommaWait	Enable/Disable a comma adding a 5 second delay between commands
DispBtn	Sets the command triggered through display control (set in the webGUI)
HDMIAUD	Enable/disable the HDMI audio output
InputStatus	Displays the status for each input
IPCFG	Displays IP address configuration
IPDHCP	Turns DHCP on / off
IPStatic	Sets a static IP address
Lock	Locks the buttons on the front panel
LRAUD	Turns on/off analog audio output
Mreset	Sets the unit back to default settings
RelayActX Y	Opens and closes the relay ports
RS232zone	Use to trigger the SR21's RS-232 port to send the specified command to the display
Status	Displays the routing state of the unit
Type	Displays the model of the unit
Unlock	Unlocks the buttons on the front panel
Version	Displays the current firmware version of the unit
VOUT	Adjusts the analog audio volume level
VOUTMute	Mutes/Unmutes audio output volume
x?AVx&	Switch a specific input to a specific output

Blink

Enable/Disable blinking of the front panel POWER LED.

Syntax
Blink X

Parameter	Description	Range
X	Value	on, off, sta

Example

Blink on

Feedback

Blink on

CommaWait

Enable/Disable a comma adding a 5 second delay between commands. Default is on.

Syntax
CommaWait X

Parameter	Description	Range
X	Value	on, off, sta

Example

CommaWait on

Feedback

CommaWait on

DispBtn

Sets the command triggered through display control (set in the webGUI).

Syntax
DispBtn X

Parameter	Description	Range
X	Command	on, off, vol+, vol-, mute

Example

DispBtn on

Feedback

DispBtn on

HDMIAUD

Enable/disable the HDMI audio output. Default is on.

Parameter	Description	Range
X	Setting	on, off, sta

Example

HDMIAUD sta

Feedback

HDMIAUD on

InputStatus

Displays the status for each input.

Syntax

InputStatusX

Parameter	Description	Range
X	Value	Input number: 1 or 2, parameter is optional.

Examples

InputStatus
InputStatus2

Feedback

InputStatus 01
InputStatus2 1



NOTE: The feedback will display channel status: 0 is no signal detected and 1 is signal detected.

IPCFG

Displays the current network settings for the unit.

Syntax

IPCFG

Example

IPCFG

Feedback

IP Addr 192.168.11.196
Netmask 255.255.255.0
Gateway 192.168.11.254
IP Port 23

IPDHCP

Turns DHCP on / off. Default is on.

Syntax

IPDHCP X

Parameter	Description	Range
X	Value	on, off, sta

Example

IPDHCP on

Feedback

IPDHCP on

IPStatic

Sets a static IP address.

Syntax

IPStatic **X Y Z**

Parameter	Description	Range
X	IP address	0 to 255 (per byte)
Y	Subnet mask	0 to 255 (per byte)
Z	Gateway (router)	0 to 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

Lock

Locks the front panel of the unit so no buttons are active.

Syntax

Lock

Example

Lock

Feedback

Lock

LRAUD

Turns on/off analog audio output. Default is on.

Syntax

LRAUD **X**

Parameter	Description	Range
X	Value	on, off, sta

Example

LRAUD sta

Feedback

LRAUD on

Mreset

Sets the unit back to the default settings.

Syntax

MReset

Example

Mreset

Feedback

Mreset

RelayAct

Opens and closes the relay ports.

Syntax

RelayActX Y

Parameter	Description	Range
X	Port number	1 or 2
Y	Value	open, close, sta

Example

RelayAct1 sta
RelayAct2 open

Feedback

RelayAct1 close
RelayAct2 open

RS232zone

Use to trigger the SR21's RS-232 port 1 to send the specified command to the display.

Syntax

RS232zone[X]

Parameter	Description	Range
X	Command	String

Example

RS232zone[VOL23]

Feedback

RS232zone[VOL23]

Status

Displays the current route status.

Syntax

Status

Example

Status

Feedback

x3Vx1

Type

Brings up the model information.

Syntax
Type

Example
Type

Feedback
AT-OME-SR21

Unlock

Unlocks the front panel of the unit, enabling the buttons again.

Syntax
Unlock

Example
Unlock

Feedback
Unlock

Version

Brings up the current firmware version.

Syntax
Version

Example
Version

Feedback
1.0.00

VOUT

Adjusts the analog audio volume level.

Syntax
VOUT X

Parameter	Description	Range
X	Parameter	+ / - : Increase or decrease volume by increments of 1 # : Input a value between -80 and 0 sta : displays the current status of the volume

Example
VOUT sta
VOUT +
VOUT -50
VOUT -

Feedback
VOUT -30
VOUT -29
VOUT -50
VOUT -51

VOUTMute

Mutes/unmutes all the output audio channels. Default is unmuted (off).

Syntax

VOUTMute**X Y**

Parameter	Description	Range
X	Channel	1 - 2
Y	Value	on, off, sta

Example

VOUTMute1 sta

Feedback

VOUTMute1 on

x?AVx&

Switch audio and video input to output.

Syntax

x?AVx1

Parameter	Description	Range
?	Input	1 - 2

Example

x2AVx1

Feedback

x2AVx1

