OMEGA™ 4K / UHD
Two-Input EU/UK Wallplate Switcher
for HDMI and USB-C with HDBaseT™ Output

Application Programming Interface

Version Information

Version	Release Date	Notes
1	12/18	Release

Commands

The following tables provide an alphabetical list of commands available on the AT-OME-SW32.

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.
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
Mreset	Sets the unit back to default settings
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
RS232zone	Use to trigger the TX21 to send the RS-232 command to the display connected to the HDBaseT receiver's RS-232 port.
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
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	Setting	on, off, tog, sta

Example
DispBtn on

Feedback
DispBtn on

HDMIAud

Enable/Disable blinking of the front panel POWER LED.

Syntax
HDMIAud **X**

Parameter	Description	Range
X	Value	on, off, sta

Example
HDMIAud sta

Feedback
HDMIAud on

InputStatus

Displays the status for each input.

Syntax
InputStatus

Examples
InputStatus

Feedback
InputStatus 011

> **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 matrix so no buttons are active.

Syntax
Lock

Example
Lock

Feedback
Lock

Mreset

Sets matrix back to the default settings.

Syntax
MReset

Example
Mreset

Feedback
Mreset

PWOFF

Turns the unit off. Front panel LED will illuminate red when off.

Syntax
PWOFF

Example
PWOFF

Feedback
PWOFF

PWON

Turns the unit on. Front panel LED will illuminate blue when on.

Syntax
PWON

Example
PWON

Feedback
PWON

PWSTA

Displays the power status of the matrix.

Syntax
PWSTA

Example
PWSTA

Feedback
PWON

RS232zone

Use to trigger the TX21 to send the RS-232 command to the display connected to the HDBaseT receiver's RS-232 port.

Syntax
RS232zone[X]

Parameter	Description	Range
X	Command	String

Example
RS232zone[VOL23]

Feedback
RS232zone[VOL23]

Status

Displays the current route status.

Syntax
Status **X**

Example
Status

Feedback
x3Vx1, x1Vx2

Type

Brings up the model information.

Syntax
Type

Example
Type

Feedback
AT-OME-TX21-WP-E

Unlock

Unlocks the front panel of the matrix, 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

x?AVx&

Switch audio and video input to output.

Syntax
x**?**AVx**&**

Parameter	Description	Range
?	Input	1 - 3
&	Output	1 - 2

Example
x1AVx3

Feedback
x1AVx3