



**OMEGA™**

**4K/UHD Scaler**

**for HDBaseT and HDMI**

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Application Programming Interface

AT-OME-RX21 | API

## Version Information

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Version	Release Date	Notes
1	Sept 2019	Release

# Commands

The following tables provide an alphabetical list of commands available on the AT-OME-RX21.

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
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
RelayAct	Opens and closes the relay ports
RHostName	Displays the host name of the unit
RS232zone	Use to trigger the RX21's RS-232 port to send the specified command to the display
SHostName	Sets the host name of the unit
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?AVx1	Switch a specific input to the 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

## 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

## RHostName

Displays the host name of the unit.

Syntax
RHostName

### Example

RHostName

### Feedback

RHostName OMERX21-123123

## RS232zone

Use to trigger the RX21'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]

## SHostName

Sets the host name of the unit. String maximum is 15 bytes.

```
Syntax
SHostName X
```

Parameter	Description	Range
X	Host name	String - 15 bytes max

### Example

SHostName OMERX21-123456

### Feedback

SHostName OMERX21-123456

## 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-RX21

## 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

Parameter	Description	Range
X	Value	on, off, sta

### Example

VOUTMute sta

### Feedback

VOUTMute on

## x?AVx1

Switch audio and video input to the output.

### Syntax

```
x?AVx1
```

Parameter	Description	Range
?	Input	1 - 2

### Example

```
x2AVx1
```

### Feedback

```
x2AVx1
```

