



**4K UHD**

**HDCP 2.2**

**HDBT<sup>®</sup>**



## EL-8300VA

**Advanced 4K HDMI, USB Type C, Display Port, VGA and HDBaseT Presentation Switch**

**Driver User Guide**

**HDMI®**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

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Version 1.1

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## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## REVISION HISTORY

VERSION NO.	DATE	SUMMARY OF CHANGE
v1.00	22/07/2020	First release

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## 1. INTRODUCTION

This driver has been designed to provide two-way control of the CYP 9x2 Multi-format Presentation Scaler, via RS232 or TCP/IP.

## 2. DRIVER PROPERTIES

The property of this driver is shown below.

Driver Version	1
Debug Mode	Print and Log
Debug Level	5 - Debug
Connected To Network	false

Figure 1: Driver Properties

- /// **Driver Version** Driver version number
- /// **Debug Mode** Support use only
- /// **Debug Level** Support use only
- /// **Command Delay Milliseconds** a delay of millisecond between commands
- /// **Connected To Network** Shows operational status of driver

## 3. IP NETWORK CONNECTION

If an IP driver used, the IP address of the A/V Scaler is entered in the usual way in connections -> Network.

## 4. DEVICE SPECIFIC COMMAND

In addition to the usual A/V Scaler functionality supported by Control4, there are a number of device specific commands for the A/V Scaler switching.

### 4.1 Set Power Reboot

/// **Power Status** Reboot

### 4.2 Set Out Video Mode

/// **Video Mode** Bypass or Scale

### 4.3 Set Auto Switching Mode

/// **Switching Mode** OFF or Auto switch

### 4.4 Set Timing

/// **Video Timing**

0	[Native HDMI]	21	[1920x1080p24]
1	[Native HDBaseT]	22	[1920x1080p25]
2	[640x480@60]	23	[1920x1080p30]
3	[800x600@60]	24	[1920x1080p50]
4	[1024x768@60]	25	[1920x1080p60]
5	[1280x768@60]	26	[3840x2160p24]
6	[1360x768@60]	27	[3840x2160p25]
7	[1280x720@60]	28	[3840x2160p30]
8	[1280x800@60]	29	[3840x2160p50]
9	[1280x1024@60]	30	[3840x2160p60]
10	[1440x900@60]	31	[3840x2160p50(4:2:0)]
11	[1400x1050@60]	32	[3840x2160p60(4:2:0)]
12	[1680x1050@60]	33	[4096x2160p24]

13	[1600x1200@60]	34	[4096x2160p25]
14	[1920x1080@60]	35	[4096x2160p30]
15	[1920x1200@60RB]	36	[4096x2160p50]
16	[2560x1600@60RB]	37	[4096x2160p60]
17	[720x480p]	38	[4096x2160p50(4:2:0)]
18	[720x576p]	39	[4096x2160p60(4:2:0)]
19	[1280x720p50]		
20	[1280x720p60]		

## 4.5 Set Audio Out Route

### /// Audio Out Route

0	[Follow user mode]
1	[Follow video mode]
2	[Analogue audio input 1]
3	[Analogue audio input 2]
4	[Analogue audio input 3]
5	[Analogue audio input 4]
6	[Analogue audio input 5]
7	[Analogue audio input 6]

## 4.6 Set Video In Audio Route

### /// Video Input

- 1 [USB-C input]
- 2 [DP input]
- 3 [HDMI input 1]
- 4 [HDMI input 2]
- 5 [HDMI input 3]
- 6 [HDMI input 4]
- 7 [HDMI input 5]
- 8 [VGA input 1]

### /// Audio Output

- 0 [Analogue audio input 1]
- 1 [Analogue audio input 2]
- 2 [Analogue audio input 3]
- 3 [Analogue audio input 4]
- 4 [Analogue audio input 5]
- 5 [Analogue audio input 6]
- 6 [Embedded audio]

#### 4.7 Set Audio Out Mute

##### /// Audio Output Channel

- ALL [All audio outputs]
- A [HDMI audio output]
- B [HDBaseT audio output]
- C [Standard analogue audio output]
- D [Amplified analogue audio output]

##### /// Audio Mute Status OFF or ON

#### 4.8 Set Audio Out Volume

##### /// Audio Output Channel

- A [HDMI audio output]
- B [HDBaseT audio output]
- C [Standard analogue audio output]
- D [Amplified analogue audio output]

##### /// Audio Output Volume 0 to 100

#### 4.9 Set Audio Mixer Mic Volume

##### /// Audio Mic Volume 0 to 100

#### 4.10 Set Audio Out Mixer

##### /// Audio Mixer Status OFF / ON / Mic Only

#### 4.11 Set Relay

##### /// Relay Port 1 or 2

##### /// Relay Status Closed or Open





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