

**BZBGEAR**

**BG-4K-VP44**

Crestron Driver User Guide

V1.0

## Introduction

This driver has been designed to provide control of the BZBGear BG-4K-VP88 via TCP/IP.

## Installation

You need to copy all the files in the folder to your project directory to support Siml Windows to recognize the driver module.

- For the UDP/IP Client link use the following settings:

**Ip** : The IP you set for the product.

**Port** : the factory default Port is 5000

## Inputs

The module has the following commands available as input:

Name	Type	Explanation
Rx_Matrix	S	Product information feedback input
Output[X]	A	Input port X (range in 1~4) to select the video Output source: 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4
Video_Feed_On	A	Send Output port X(range in 1~8) to turn on the video feed 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4
Video_Feed_Off	A	Send Output port X(range in 1~8) to turn off the video feed 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4
Audio_HDMI_On	A	Send Output port X(range in 1~8) to turn on the audio hdmi 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4

Audio_HDMI_Off	A	Send Output port X(range in 1~8) to turn off the audio hdmi 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4
Audio_Source_Outputx	A	Send audio source to output port X (range in 1~8) 1 -> HDMI 1 2 -> HDMI 2 3 -> HDMI 3 4 -> HDMI 4 5 -> Audio In 1 6 -> Audio In 2 7 -> Audio In 3 8 -> Audio In 4 9-> Audio follow video 10 -> use embedded audio
Audio_Extraction_Off	A	Send Output port X(range in 1~8) to turn off the audio Extraction 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4
Audio_Extraction_On	A	Send Output port X(range in 1~8) to turn on the audio Extraction 1 -> Output 1 2 -> Output 2 3 -> Output 3 4 -> Output 4
Video_Resolution_Outputx	A	Send Resolution to output port X (range in 1~8)

		1 -> 4K60 2 -> 4K30 3 -> 1080p60 4 -> 720p60 5 ->Auto
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Clear_Preset_Mode	A	<p>Send preset mode to clear the preset</p> <p>1 -&gt;Matrix_default  2 -&gt; Matrix_Input_1  3 -&gt; Matrix_Input_2  4 -&gt; Matrix_Input_3  5 -&gt; Matrix_Input_4  6 -&gt; Multiview_2X2  7 -&gt; Multiview_1X2  8 -&gt; Multiview_1X2 1X2  9 -&gt; Multiview_1X3  10 -&gt; Multiview_1X4  11 -&gt; Multiview_2X1  12 -&gt; Multiview_2X1 2X1  13 -&gt; Multiview_2X1  14 -&gt; Multiview_4X1  15 -&gt; Multiview_2X2  16 -&gt; Multiview_3X1 R  17 -&gt; Multiview_3X1 L  18 -&gt; Multiview_3X1 U  19 -&gt; Multiview_3X1 D  20 -&gt; Multiview_1+234 A  21 -&gt; Multiview_1+2 1+3 1+4A  22 -&gt; Multiview_1+2 3+4 A  23 -&gt; Multiview_1+34 2+34 A  24 -&gt; Multiview_POP A  25 -&gt;Multiview_2X1+2 2X1+4 A</p> <p>1 -&gt;Scene 1  2 -&gt;Scene 2  3 -&gt;Scene 3  4 -&gt;Scene 4  5 -&gt;Scene 5  6 -&gt;Scene 6</p>
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		7 ->Scene 7 8 ->Scene 8
Store_Preset_Mode	A	Send preset mode to save the preset 1 ->Matrix_default 2 -> Matrix_Input_1 3 -> Matrix_Input_2 4 -> Matrix_Input_3 5 -> Matrix_Input_4 6 -> Multiview_2X2 7 -> Multiview_1X2 8 -> Multiview_1X2 1X2 9 -> Multiview_1X3 10 -> Multiview_1X4 11 -> Multiview_2X1 12 -> Multiview_2X1 2X1 13 -> Multiview_2X1 14 -> Multiview_4X1 15 -> Multiview_2X2 16 -> Multiview_3X1 R 17 -> Multiview_3X1 L 18 -> Multiview_3X1 U 19 -> Multiview_3X1 D 20 -> Multiview_1+234 A 21 -> Multiview_1+2 1+3 1+4A 22 -> Multiview_1+2 3+4 A 23 -> Multiview_1+34 2+34 A 24 -> Multiview_POP A 25 ->Multiview_2X1+2 2X1+4 A  1 ->Scene 1 2 ->Scene 2 3 ->Scene 3

		4 ->Scene 4 5 ->Scene 5 6 ->Scene 6 7 ->Scene 7 8 ->Scene 8
Recall_Preset_Mode	A	Send preset mode to recall the preset 1 ->Matrix_default 2 -> Matrix_Input_1 3 -> Matrix_Input_2 4 -> Matrix_Input_3 5 -> Matrix_Input_4 6 -> Multiview_2X2 7 -> Multiview_1X2 8 -> Multiview_1X2 1X2 9 -> Multiview_1X3 10 -> Multiview_1X4 11 -> Multiview_2X1 12 -> Multiview_2X1 2X1 13 -> Multiview_2X1 14 -> Multiview_4X1 15 -> Multiview_2X2 16 -> Multiview_3X1 R 17 -> Multiview_3X1 L 18 -> Multiview_3X1 U 19 -> Multiview_3X1 D 20 -> Multiview_1+234 A 21 -> Multiview_1+2 1+3 1+4A 22 -> Multiview_1+2 3+4 A 23 -> Multiview_1+34 2+34 A 24 -> Multiview_POP A 25 ->Multiview_2X1+2 2X1+4 A



		1 ->Scene 1 2 ->Scene 2 3 ->Scene 3 4 ->Scene 4 5 ->Scene 5 6 ->Scene 6 7 ->Scene 7 8 ->Scene 8
GapX_Output	A	Send GapX to the output Range (0-100%)
GapY_Output	A	Send GapY to the output Range (0-100%)
Send_GapX_Output	D	Pulse to send the GapX to outputX RangeX (1-4)
Send_GapY_Output	D	Pulse to send the GapY to outputX RangeX (1-4)

## Output

The module has the following commands that can be used as feedback output:

Tx_Matrix	S	Serial signal to be route
Input_X_to_Output_X_FB	D	High to indicate Input X routed to Output X
Video_Feed_Output_X_Off_FB	D	High to indicate video feed output x is off
Video_Feed_Output_X_On_FB	D	High to indicate video feed output x is on

HDMI_Audio_Output_X_On_FB	D	High to indicate hdmi audio output x is on
HDMI_Audio_Output_X_Off_FB		High to indicate hdmi audio output x is off
Audio_Source_Output_X_HDMI_X_FB	D	High to indicate audio output x selected
Video_Resolution_Output_X_4K60_FB	D	High to indicate output resolution 4K60 is selected
Video_Resolution_Output_X_4K30_FB	D	High to indicate output resolution 4K30 is selected
Video_Resolution_Output_X_1080p60_FB	D	High to indicate output resolution 1080p60 is selected
Video_Resolution_Output_X_720p60_FB	D	High to indicate output resolution 720p60 is selected
Video_Resolution_Output_X_Follow_Output_FB	D	High to indicate output resolution Auto is selected