

# BG-UHD-QVP-4X2

## Crestron Driver User Manual







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## Statement

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Please read these instructions carefully before connecting, operating, or configuring this product. Please save this manual for future reference.

## Safety Precaution

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- To prevent damaging this product, avoid heavy pressure, strong vibration, or immersion during transportation, storage, and installation.
- The housing of this product is made of organic materials. Do not expose to any liquid, gas, or solids which may corrode the shell.
- Do not expose the product to rain or moisture.
- Unplug this device during lightning storms
- Clean only with a soft dry microfiber cloth.
- To prevent the risk of electric shock, do not open the case. Installation and maintenance should only be carried out by qualified technicians.
- Do not use the product beyond the specified temperature, humidity, or power supply specifications.
- This product does not contain parts that can be maintained or repaired by users. Damage caused by dismantling the product without authorization from BZBGear is not covered under the warranty policy.
- Installation and use of this product must strictly comply with local electrical safety standards.
- Only use accessories specified by the manufacture
- Product specifications may be subject to technical upgrades without further notice
- Do not hot plug when it is working.



## Introduction

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This driver has been designed to provide control for the BZBGear BG-UHD-QVP-4X2 via TCP/IP.

## Installation

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- You will need to copy all of the files in the folder to your project directory to allow Simpl Windows to recognize the driver module.
  
- **When using TCP/IP for the connection use the following settings:**
  - **IP:** The IP you set for the product.
  - **Port:** The port you set for the product. (Default: 23)



## Inputs

The module has the following commands available as inputs:

Command	Type	Description
Rx\$	Serial	Signal used to receive character from the connected device
Factory Reset	Digital	Signal used to factory reset the connected device
Full Screen A	Digital	Get source A in Full Screen
Full Screen B	Digital	Get source B in Full Screen
Full Screen C	Digital	Get source C in Full Screen
Full Screen D	Digital	Get source D in Full Screen
Quad default Screen	Digital	Get quad default screen
Set_Video_Routing_A	Analog	Input port X (range 1-4) to select the video output A source: <ol style="list-style-type: none"> <li>1. Input 1 to screen A</li> <li>2. Input 2 to screen A</li> <li>3. Input 3 to screen A</li> <li>4. Input 4 to screen A</li> </ol>
Set_Video_Routing_B	Analog	Input port X (range 1-4) to select the video output B source: <ol style="list-style-type: none"> <li>1. Input 1 to screen B</li> <li>2. Input 2 to screen B</li> <li>3. Input 3 to screen B</li> <li>4. Input 4 to screen B</li> </ol>
Set_Video_Routing_C	Analog	Input port X (range 1-4) to select the video output C source: <ol style="list-style-type: none"> <li>1. Input 1 to screen C</li> <li>2. Input 2 to screen C</li> <li>3. Input 3 to screen C</li> <li>4. Input 4 to screen C</li> </ol>
Set_Video_Routing_D	Analog	Input port X (range 1-4) to select the video output D source: <ol style="list-style-type: none"> <li>1. Input 1 to screen D</li> <li>2. Input 2 to screen D</li> <li>3. Input 3 to screen D</li> <li>4. Input 4 to screen D</li> </ol>
Recall_Preset[X]	Analog	Recall the saved preset X (range 1-18)



Set_Output_Resolution	Analog	Send X (range 1-11)	
		1. 720x480@60Hz	7. 1920x1080@50Hz
		2. 720x576@50Hz	8. 1920x1080@59.94Hz
		3. 1280x720@50Hz	9. 1920x1080@60Hz
		4. 1280x720@59.94Hz	10. 3840x2160@30Hz
		5. 1280x720@60Hz	11. 3840x2160@50Hz
		6. 1920x1080@30Hz	

## Outputs

The module has the following commands available to be used as feedback outputs:

Command	Type	Description
Tx\$	Serial	Signal used to send characters to the connected device.
FB_Full_Screen_A	Serial	High to indicate that Full Screen A is selected.
FB_Full_Screen_B	Serial	High to indicate that Full Screen B is selected.
FB_Full_Screen_C	Serial	High to indicate that Full Screen C is selected.
FB_Full_Screen_D	Serial	High to indicate that Full Screen D is selected.
FB_Quad_Default_Screen	Serial	High to indicate that quad default is selected.
FB_Input_1_Screen A	Serial	High to indicate that input 1 is routed to screen A.
FB_Input_2_Screen A	Serial	High to indicate that input 2 is routed to screen A.
FB_Input_3_Screen A	Serial	High to indicate that input 3 is routed to screen A.
FB_Input_4_Screen A	Serial	High to indicate that input 4 is routed to screen A.
FB_Input_1_Screen B	Serial	High to indicate that input 1 is routed to screen B.
FB_Input_2_Screen B	Serial	High to indicate that input 2 is routed to screen B.
FB_Input_3_Screen B	Serial	High to indicate that input 3 is routed to screen B.
FB_Input_4_Screen B	Serial	High to indicate that input 4 is routed to screen B.
FB_Input_1_Screen C	Serial	High to indicate that input 1 is routed to screen C.
FB_Input_2_Screen C	Serial	High to indicate that input 2 is routed to screen C.



FB_Input_3_Screen C	Serial	High to indicate that input 3 is routed to screen C.
FB_Input_4_Screen C	Serial	High to indicate that input 4 is routed to screen C.
FB_Input_1_Screen D	Serial	High to indicate that input 1 is routed to screen D.
FB_Input_2_Screen D	Serial	High to indicate that input 2 is routed to screen D.
FB_Input_3_Screen D	Serial	High to indicate that input 3 is routed to screen D.
FB_Input_4_Screen D	Serial	High to indicate that input 4 is routed to screen D.
Res_720_X_480_60_HZ_FB	Serial	High to indicate that the resolution 720x480@60 is selected.
Res_720_X_576_50_HZ_FB	Serial	High to indicate that the resolution 720x576@50 is selected.
Res_1280_X_720_59.94_HZ_FB	Serial	High to indicate that the resolution 1280x720@59.94 is selected.
Res_1280_X_720_60_HZ_FB	Serial	High to indicate that the resolution 1280x720@60 is selected.
Res_1920_X_1080_30_HZ_FB	Serial	High to indicate that the resolution 1920x1080@30 is selected.
Res_1920_X_1080_50_HZ_FB	Serial	High to indicate that the resolution 1920x1080@50 is selected.
Res_1920_X_1080_59.94_HZ_FB	Serial	High to indicate that the resolution 1920x1080@59.94 is selected.
Res_1920_X_1080_60_HZ_FB	Serial	High to indicate that the resolution 1920x1080@60 is selected.
Res_3840_X_2160_30_HZ_FB	Serial	High to indicate that the resolution 3840x2160@30 is selected.
Res_3840_X_2160_50_HZ_FB	Serial	High to indicate that the resolution 3840x2160@50 is selected.
FB_Preset_1_Selected	Serial	High to indicate that preset 1 is selected.
FB_Preset_2_Selected	Serial	High to indicate that preset 2 is selected.
FB_Preset_3_Selected	Serial	High to indicate that preset 3 is selected.
FB_Preset_4_Selected	Serial	High to indicate that preset 4 is selected.
FB_Preset_5_Selected	Serial	High to indicate that preset 5 is selected.
FB_Preset_6_Selected	Serial	High to indicate that preset 6 is selected.
FB_Preset_7_Selected	Serial	High to indicate that preset 7 is selected.



FB_Preset_8_Selected	Serial	High to indicate that preset 8 is selected.
FB_Preset_9_Selected	Serial	High to indicate that preset 9 is selected.
FB_Preset_10_Selected	Serial	High to indicate that preset 10 is selected.
FB_Preset_11_Selected	Serial	High to indicate that preset 11 is selected.
FB_Preset_12_Selected	Serial	High to indicate that preset 12 is selected.
FB_Preset_13_Selected	Serial	High to indicate that preset 13 is selected.
FB_Preset_14_Selected	Serial	High to indicate that preset 14 is selected.
FB_Preset_15_Selected	Serial	High to indicate that preset 15 is selected.
FB_Preset_16_Selected	Serial	High to indicate that preset 16 is selected.
FB_Preset_17_Selected	Serial	High to indicate that preset 17 is selected.
FB_Preset_18_Selected	Serial	High to indicate that preset 18 is selected.



## Tech Support

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Have technical questions? We may have answered them already!

Please visit BZBGear's support page ([bzbgear.com/support](http://bzbgear.com/support)) for helpful information and tips regarding our products. Here you will find our Knowledge Base ([bzbgear.com/knowledge-base](http://bzbgear.com/knowledge-base)) with detailed tutorials, quick start guides, and step-by-step troubleshooting instructions. Or explore our YouTube channel, BZB TV ([youtube.com/c/BZBTVchannel](http://youtube.com/c/BZBTVchannel)), for help setting up, configuring, and other helpful how-to videos about our gear.

Need more in-depth support? Connect with one of our technical specialists directly:

<u>Phone</u>	<u>Email</u>	<u>Live Chat</u>
1.888.499.9906	<a href="mailto:support@bzbgear.com">support@bzbgear.com</a>	<a href="http://bzbgear.com">bzbgear.com</a>

## Warranty

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BZBGear Pro AV products and cameras come with a three-year warranty. An extended two-year warranty is available for our cameras upon registration for a total of five years.

For complete warranty information, please visit [bzbgear.com/warranty](http://bzbgear.com/warranty).

For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

## Mission Statement

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BZBGear is a breakthrough manufacturer of high-quality, innovative audiovisual equipment ranging from AVoIP, professional broadcasting, conferencing, home theater, to live streaming solutions. We pride ourselves on unparalleled customer support and services. Our team offers system design consultation, and highly reviewed technical support for all the products in our catalog. BZBGear delivers quality products designed with users in mind.

## Copyright

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