

BG-UMV-HA41

Crestron Driver User Manual







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Statement

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

Safety Precaution

- 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

This driver has been designed to provide control for the BZBGear BG-UMV-HA41 via RS-232.

Installation

- 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.
- **To utilize the RS-232 link use the following settings:**
 - **Baud Rate:** 9600
 - **Data Bits:** 8
 - **Parity:** None
 - **Stop Bits:** 1



Inputs

The module has the following commands available as inputs:

Command	Type	Description
Rx\$	STRING	Product information feedback input.
Reboot	DIGITAL	Reboot the system, trigger on rising edge.
Factory Reset	DIGITAL	Factory reset the system, trigger on rising edge.
Set_Video_Routing_A	ANALOG	Switch an input [1 ~ 4] AV signal to A window. 1 ~ 4 1 - HDMI 1 2 - HDMI 2 3 - HDMI 3 4 - HDMI 4
Set_Video_Routing_B	ANALOG	Switch an input [1 ~ 4] AV signal to B window. 1 ~ 4 1 - HDMI 1 2 - HDMI 2 3 - HDMI 3 4 - HDMI 4
Set_Video_Routing_C	ANALOG	Switch an input [1 ~ 4] AV signal to C window. 1 ~ 4 1 - HDMI 1 2 - HDMI 2 3 - HDMI 3 4 - HDMI 4
Set_Video_Routing_D	ANALOG	Switch an input [1 ~ 4] AV signal to D window. 1 ~ 4 1 - HDMI 1 2 - HDMI 2 3 - HDMI 3 4 - HDMI 4



Set_Layout	ANALOG	Set multiview mode. [PARAM]=1 ~ 20 1 - 1 WINDOWS Full 2 - 2 WINDOWS PBP 3 - 3 WINDOWS 2U1D 4 - 4 WINDOWS SAME SIZE 5 - 2 WINDOWS PIP LU 6 - 2 WINDOWS PIP LD 7 - 2 WINDOWS PIP RU 8 - 2 WINDOWS PIP RD 9 - 4 WINDOWS PBP 3L1R 10 - 4 WINDOWS PBP 1L3R 11 - 4 WINDOWS PBP 3U1D 12 - 4 WINDOWS PBP 1U3D 13 - 4 WINDOWS PIP 1F3L 14 - 4 WINDOWS PIP 1F3R 15 - 4 WINDOWS PIP 1F3U 16 - 4 WINDOWS PIP 1F3D
Set_Audio_Mix	ANALOG	Enable/Disable audio mix. 0-Disable 1-Enable
Set_Audio_Mute	ANALOG	Mute/Unmute audio. 0-Disable 1-Enable
Set_Audio_Src	ANALOG	Set the audio output source. 1- HDMI 1 2 - HDMI 2 3 - HDMI 3 4 - HDMI 4 5 - Line in



Outputs

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

Command	Type	Description
Tx\$	STRING	High to indicate the last preset selected.
FB_Input_[InputParam]_Screen_[OutputParam]	DIGITAL	The current AV switching status of input and output channel. [InputParam]=1 ~ 4. [OutputParam]=A ~ D.
FB_LAYOUT [PARAM]	DIGITAL	The current multiview mode status. [PARAM]=1 ~ 20 1-1 WINDOWS Full 2-2 WINDOWS PBP 3-3 WINDOWS 2U1D 4-4 WINDOWS SAME SIZE 5-2 WINDOWS PIP LU 6-2 WINDOWS PIP LD 7-2 WINDOWS PIP RU 8-2 WINDOWS PIP RD 9-4 WINDOWS PBP 3L1R 10-4 WINDOWS PBP 1L3R 11-4 WINDOWS PBP 3U1D 12-4 WINDOWS PBP 1U3D 13-4 WINDOWS PIP 1F3L 14-4 WINDOWS PIP 1F3R 15-4 WINDOWS PIP 1F3U 16-4 WINDOWS PIP 1F3D
FB_Audio_Mix [PARAM]	DIGITAL	The audio Mix status [PARAM]=0 ~ 1 0-Disable 1-Enable
FB_Audio_Mute [PARAM]	DIGITAL	The audio mute status [PARAM]=0 ~ 1 0-Disable 1-Enable



FB_Audio_Out [PARAM]	DIGITAL	The current audio output source. [PARAM]=1 ~ 5 1- HDMI 1 2- HDMI 2 3- HDMI 3 4- HDMI 4 5- LINE IN
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Tech Support

Have technical questions? We may have answered them already!

Please visit BZBGear's support page (bzbgear.com/support) for helpful information and tips regarding our products. Here you will find our Knowledge Base (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), 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	support@bzbgear.com	bzbgear.com

Warranty

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.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

Mission Statement

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.

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