



# BG-UM-88ANS

## 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-UM-88ANS 8x8 HDMI Matrix Switcher via RS232 and 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 RS-232 for the connection use the following settings:**
  - **Baud Rate:** 9600
  - **Data Bits:** 8
  - **Stop Bits:** 1
  - **Parity:** None
- **When using TCP/IP for the connection use the following settings:**
  - **IP:** The IP you set for the product. (Default: 192.168.1.100)
  - **Port:** The port you set for the product. (Default: 8000)



## Inputs

The module has the following commands available as inputs:

| Command           | Type | Description  |
|-------------------|------|--|
| GetSystemStatus   | D    | Signal used to get the connected device's current status.  |
| Reboot            | D    | Signal used to reset the connected device.   |
| PowerOn           | D    | Signal used to turn on the connected device.   |
| PowerOff          | D    | Signal used to turn off the connected device.  |
| BeepOn            | D    | Signal used to turn on the connected device's buzzer.  |
| BeepOff           | D    | Signal used to turn off the connected device buzzer.   |
| PanelLockOn       | D    | Signal used to turn on the connected device's panel lock.  |
| PanelLockOff      | D    | Signal used to turn off the connected device's panel lock  |
| Input_Port        | A    | Signal used to set the command parameter, the signal range from 1 to 8<br>1- Input port1<br>2- Input port2<br>3- Input port3<br>4- Input port4<br>5- Input port5<br>6- Input port6<br>7- Input port7<br>8- Input port8         |
| Output_Port       | A    | Signal used to set the command parameter, the signal range from 1 to 8<br>1- Output port1<br>2- Output port2<br>3- Output port3<br>4- Output port4<br>5- Output port5<br>6- Output port6<br>7- Output port7<br>8- Output port8 |
| AV_SwitchOver     | D    | Signal used to switch over the connected device which according to the Input port and Output Port.   |
| AV_SwitchOver_all | D    | Signal used to switch over the connected device the selected Input port to all Output Port.  |
| AV_PTP_SwitchOver | D    | Signal used to switch over the connected device the Input port to Output Port. Input 1 = > output 1  |



## Outputs

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

| Command                         | Type | Description   |
|---------------------------------|------|---|
| Rebooting_busy                  | D    | The signal indicates that the connected device is currently rebooting.  |
| FB_PowerOn                      | D    | The signal indicates that the connected device is Powered On.   |
| FB_PowerOff                     | D    | The signal indicates that the connected device is Powered Off.  |
| FB_BeepOn                       | D    | The signal indicates that the connected device has its buzzer enabled.  |
| FB_BeepOff                      | D    | The signal indicates that the connected device has its buzzer disabled.   |
| FB_PanelLockOn                  | D    | The signal indicates that the connected device has its Panel Lock enabled.  |
| FB_PanelLockOff                 | D    | The signal indicates that the connected device has its Panel Lock disabled.   |
| FB_Input_Port                   | A    | The signal indicates the currently controlled input port of the device.<br>The valid range of X is 1-8.   |
| FB_Output_Port                  | A    | The signal indicates the currently controlled output port of the device.<br>The valid range of X is 1-8.  |
| FB_HDMI_Output[X]_Signal_Status | A    | The signal indicates the connected devices output port signal source.<br>The valid range of X is 1-8.<br>1-Signal source is input port 1<br>2-Signal source is input port 2<br>etc... |
| FB_HDMI_Input[X]_Connection_On  | D    | The signal indicates the connected devices input connection is on.<br>The valid range of X is 1-8.  |
| FB_HDMI_Output[X]_Connection_On | D    | The signal indicates the connected devices output connection is on.<br>The valid range of X is 1-8.   |
| To_Matrix                       | S    | The signal is used to send character commands to the connected device.  |



## 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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