

# BG-MAESTRO

## 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-MAESTRO line of cameras via UDP/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.
- **To utilize the UDP/IP Client link use the following settings:**
  - **IP:** The IP address that is set on the product
  - **Port:** The factory default port for the unit is 1259
- **Saving a preset:**
  - Move the camera to the desired position.
  - Press Save (the Save\_Fb will go high)
  - Press the preset you wish to save the location as.
  - To recall a preset, simply press the preset number.



## Inputs

The module has the following commands available as inputs:

Command	Type	Description
Tilt_Up/Down	D	Press and hold to tilt the camera.
Pan_Left/Right	D	Press and hold to pan the camera.
UpLeft/UpRight DownLeft/Down Right	D	Press and hold to pan and tilt the camera.
Zoom_In/Out	D	Press and hold to control the zoom of the camera.
Focus_Near/Far	D	Press and hold to focus the camera. This will focus the camera if the camera is not in auto focus mode.
Auto_Focus On/Off/Toggle	D	Pulse to turn the auto focus function on and off.
Preset_*	D	Pulse to go to the preset. If pulsed when the Preset_Save_Fb output is high this will store the current camera position in the selected preset.
Save	D	Pulse to put the module into save mode to allow storage of presets.
Home	D	Pulse to send the camera to the home position for pan and tilt.
Power ON/OFF	D	Pulse to turn the camera on and off.
Set Address	D	Pulse once to set the addresses for the camera when multiple units are daisy chained for VISCA commands.
Address (1-7)	P	The address number for the camera this module will control. This corresponds to the camera select or switch on the back of the camera.
Pan Speed *	P	The desired speed for the pan function Select from the list. This is only used if the Enable_Proportional_Pan_Tilt input is held low.
Tilt Speed*	P	The desired speed for the tilt function Select from the list. This is only used if the Enable_Proportional_Pan_Tilt input is held low.
Zoom Speed *	P	The desired speed for the zoom function Select from the list.



Command	Type	Description
Teacher Tracking Start	D	Pulse to turn on the tracking mode.
Teacher Tracking Stop	D	Pulse to turn off the tracking mode.

## Outputs

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

Command	Type	Description
Preset_*_Fb	D	High to indicate the last preset selected.
Preset_Save_Fb	D	High to indicate that the module is in save mode. Pulsing one of the Preset inputs will store the current camera location to that preset.
To_Device\$	S	Serial signal to be route to a 1 way serial com port.



## 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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