BZBGEAR

BG-UMV-HA41

Crestron Driver User Guide

V1.0

Introduction

This driver has been designed to provide control of the BZBGEAR

BG-UMV-HA41 via RS 232.

Installation

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

➢ For the RS-232 link use the following settings :

Baudrate : 9600

Data bits : 8

Parity : None

Stop bits : 1

Inputs

The module has the following commands available as input :

Name	Type	Explanation
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
Set_Output_Resolution	ANALOG	Set the output resolution. 1-1024x768 60 HZ 2-1280x720 60 HZ 3-1360x768 60 HZ 4-1600x1200 60 Hz 5-1920x1080 60 HZ 6-1920x1200 60 HZ 7-3840x2160 30 HZ 8-Auto

Output

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

Name	Type	Explanation
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

Resolution_FB	DIGITAL	The current output resolution. [PARAM]= 1 ~ 8 1-1024x768 60 HZ 2-1280x720 60 HZ 3-1360x768 60 HZ 4-1600x1200 60 Hz 5-1920x1080 60 HZ 6-1920x1200 60 HZ 7-3840x2160 30 HZ 8-Auto