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CRESTRON VB1 Video
Conferencing Device

CRESTRON VB1 Video Conferencing Device Instructions

Contents

CRESTRON VB1 Video Conferencing Device

Specifications

- **Partner:** Bose
- **Models:** VB1
- **Device Type:** Conferencing

Product Information

- **SIMPLWINDOWS NAME:** Bose VB1 v1.0
- **CATEGORY:** Conferencing
- **VERSION:** 1.0.0
- **SUMMARY:** Module to establish a websocket connection to a VB1 for control.

GENERAL NOTES: Please note that some control functions will work, and the password entered in the module must match the password set on the VB1.

Parameters

- **IP_Address:** The network address of the device to control.
- **Password:** The password for the VB1.

Control Functions

- **Connect:** Establishes communication with the VB1 and starts the initialization.
- **Disconnect:** Stops communication with the VB1.

Feedback

- **Is_Communicating:** Indicates if communication is active.
- **Is_Initialized:** Indicates if the device is initialized.

Product Usage Instructions

Connecting to the Device

1. Ensure your Crestron hardware setup is complete.
2. Enter the IP address of the VB1 and the corresponding password into the module parameters.
3. Use the 'Connect' function to establish communication with the VB1.

Controlling Functions

- To pan left or right, pulse the respective controls. Hold high for repeated panning.
- To tilt the camera up or down, pulse the corresponding controls. Hold high for repeated tilting.

Providing Feedback

- Check the feedback indicators to monitor various settings and statuses of the device.

Frequently Asked Questions (FAQ)

- **Q: How do I troubleshoot connectivity issues?**
  A: Ensure that the IP address and password are correctly entered. Contact Control Concepts, Inc. for further assistance if needed.

- **Q: What should I do if some control functions are not working?**

  A: Verify that the password in the module matches the one set on the VB1. If issues persist, contact technical support.

GENERAL INFORMATION

GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Bose VB1 v1.0
CATEGORY:	Conferencing
VERSION:	1.0.0
SUMMARY:	Module to establish a websocket connection to a VB1 for control.
GENERAL NOTES:	Please note the following items: - Reboot Command: the module will lose its connection and reconnect once the VB1 is powered on again. - Loudspeaker_Volume_Up and Loudspeaker_Volume_Down will unmute the Loudspeaker if the mute is active. - Bluetooth pairing controls will only work if Bluetooth is enabled. - Only some commands require a password therefore with the wrong password some control will work. The password entered in the module needs to match the password set on the VB1. Module developer contact: Control Concepts, Inc. **201-797-7900** **support@controlconcepts.net**
CRESTRON HARDWARE REQUIRED:	Crestron 3-Series or 4-Series processor.
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	Bose VB1 – 1.3.28
VENDOR SETUP:	N/A

PARAMETERS	
IP_Address	The network address of the device to control.
Password	The password for the VB1.

CONTROL

CONTROL:		
Connect	D	Establishes communication with the VB1 and starts the initialization.
Disconnect	D	Stops communication with the VB1.
Debug	D	Set high to enabled debug messages. It is recommended this signal is only used during troubleshooting and not for production.
IP_Address	S	The local IP/hostname for the VB1.
Pan_Left	D	Pulse for single pan left. Hold high for repeated pan left.
Pan_Right	D	Pulse for single pan right. Hold high for repeated pan right.
Tilt_Down	D	Pulse for single tilt down. Hold high for repeated tilt down.
Tilt_Up	D	Pulse for single tilt up. Hold high for repeated tilt up.
Zoom_In	D	Pulse for single zoom in. Hold high for repeated zoom in.
Zoom_Out	D	Pulse for single zoom out. Hold high for repeated zoom out.
Home_Preset	D	Pulse to recall home preset or save home preset if Preset_Save_Fb is high.
Preset_*	D	Pulse to recall preset_* or save preset_* if Preset_Save_Fb is high.
Preset_Save	D	Pulse to toggle between save and recall mode.
Autoframe_On	D	Pulse to turn camera autoframe on.
Autoframe_Off	D	Pulse to turn camera autoframe off.
Autoframe_Toggle	D	Pulse to toggle camera autoframe.
Loudspeaker_Volume_Up	D	Pulse to turn loudspeaker volume up. Hold high for repeated volume up.
Loudspeaker_Volume_Down	D	Pulse to turn loudspeaker volume up. Hold high for repeated volume down.
Loudspeaker_Volume_Level	A	Set loudspeaker volume to a discrete value. (Integer 0 to 100)
Loudspeaker_Mute	D	Pulse to mute loudspeaker.
Loudspeaker_Unmute	D	Pulse to unmute loudspeaker.
Loudspeaker_Mute_Toggle	D	Pulse to toggle loudspeaker mute.

Microphone_Mute	D	Pulse to mute microphone.
Microphone_Unmute	D	Pulse to unmute microphone.
Microphone_Mute_Toggle	D	Pulse to toggle microphone mute.
Bluetooth_Pairing_On	D	Pulse to toggle Bluetooth pairing on.
Bluetooth_Pairing_Off	D	Pulse to toggle Bluetooth pairing off.
Bluetooth_Pairing_Toggle	D	Pulse to toggle Bluetooth pairing on or off.
Reboot	D	Pulse to reboot the VB1.
HDMI/DL_Enable	D	Pulse to toggle HDMI/DL between enable and disable.
Bluetooth_Enable	D	Pulse to toggle Bluetooth between enable and disable.
Bluetooth_Button_Enable	D	Pulse to toggle Bluetooth button between enable and disable.

FEEDBACK

FEEDBACK		
Is_Communicating	D	Indicates the command processor is communicating with the VB1 when the signal is high, or not communicating when the signal is low.
Is_Initialized	D	Indicates the command processor is synchronized with current device state when the signal is high, or not synchronized with current device state when the signal is low.
Active_Pan_Setting_fb	A	Current pan position. (Signed Integer value -10 to 10)
Active_Tilt_Setting_Fb	A	Current tilt position. (Signed Integer value -10 to 10)
Active_Zoom_Setting	A	Current zoom position. (Integer value 1 to 10)
Home_Preset_Fb	D	High to indicate home preset is active. Low to indicate home preset is inactive.
Preset_*_Fb	D	High to indicate preset * is active. Low to indicate preset * is inactive.
Preset_Save_Fb	D	High to indicate Preset_Save mode is active
Autoframe_On_Fb	D	High to indicate camera autoframe is enabled.
Autoframe_Off_Fb	D	High to indicate camera autoframe is disabled.
Loudspeaker_Volume_Level_Fb	A	Current loudspeaker volume level. (Integer 0 to 100)
Loudspeaker_Muted_Fb	D	High to indicate loudspeaker is muted.
Loudspeaker_Unmuted_Fb	D	High to indicate loudspeaker is unmuted.
Microphone_Muted_Fb	D	High to indicate microphone is muted.
Microphone_Unmuted_Fb	D	High to indicate microphone is unmuted.
Bluetooth_Pairing_On_Fb	D	High to indicate Bluetooth pairing is on.
Bluetooth_Pairing_Off_Fb	D	High to indicate Bluetooth pairing is off.
Firmware_Version_Fb	S	Reports the VB1 firmware version.
Device_Name_Fb	S	Reports the device name.

	S	Reports the location building name.
Floor_Fb	S	Reports the location floor name.
Room_Fb	S	Repots the location room name.
Serial_Number_Fb	S	Reports the VB1 serial number.
Camera_State_Fb	S	Reports the camera state.
Ethernet_State_Fb	S	Reports the ethernet state.
Ethernet_IP_Address_Fb	S	Reports the static ethernet IP Address of the VB1.
Ethernet_MAC_Address_Fb	S	Reports the ethernet MAC Address of the VB1.
Wifi_State_Fb	S	Reports the Wi-Fi state.
Wifi_IP_Address_Fb	S	Reports the static WIFI IP Address of the VB1.
Wifi_MAC_Address_Fb	S	Reports the WIFI MAC Address of the VB1.
GPI_Status_Fb	D	High to indicate GPI mute status is active.
USB_Connection_Status_Fb	D	High to indicate USB is connected.
USB_Call_Status_Fb	D	High to indicate USB call is active.
Bluetooth_Connection_Status_Fb	D	High to indicate Bluetooth connected.
Bluetooth_Stream_Status_Fb	D	High to indicate Bluetooth stream is active.
Ready_Status	D	High to indicate system is ready after startup.
HDMI/DL_Enabled	D	Hight to indicate HDMI/DL is enabled.
Bluetooth_Enabled	D	High to indicate Bluetooth is enabled.
Bluetooth_Button_Enabled	D	High to indicate Bluetooth button is enabled.

TESTING

TESTING:	
OPS USED FOR TESTING:	CP3 1.8001.4878.29356 MC4 2.7000.00083
SIMPL WINDOWS USED FOR TESTING:	4.1800.14
CRES DB USED FOR TESTING:	211.0000.002.00
DEVICE DATABASE:	200.18500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1166
SAMPLE PROGRAM:	Bose VB1 Demo v1.0.smw
REVISION HISTORY:	v1.0 – Initial Release

www.crestron.com

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at **techsales@crestron.com**. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. Specifications subject to change without notice.

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Documents / Resources

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References

- **User Manual**