

Partner: Bose
Models: VB1
Device Type: Conferencing



GENERAL INFORMATION

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| 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: | <p>Please note the following items:</p> <ul style="list-style-type: none">• 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. <p>Module developer contact: Control Concepts, Inc. (201) 797-7900 support@controlconcepts.net</p> |
| 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 |

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PARAMETERS:

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

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CONTROL:

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| 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. |

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**CONTROL: *continued***

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| 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. |

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FEEDBACK:

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| 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. |

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FEEDBACK: *continued*

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| Building_Fb | 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. |

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TESTING:

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| 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 |