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

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PARAMETERS:

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

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Device Type: Conferencing

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.

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CONTROL: *continued*

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.

Partner: Bose
Models: VB1
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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.

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FEEDBACK: *continued*

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.

Partner: Bose
Models: VB1
Device Type: Conferencing

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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