Manuals+ — User Manuals Simplified.
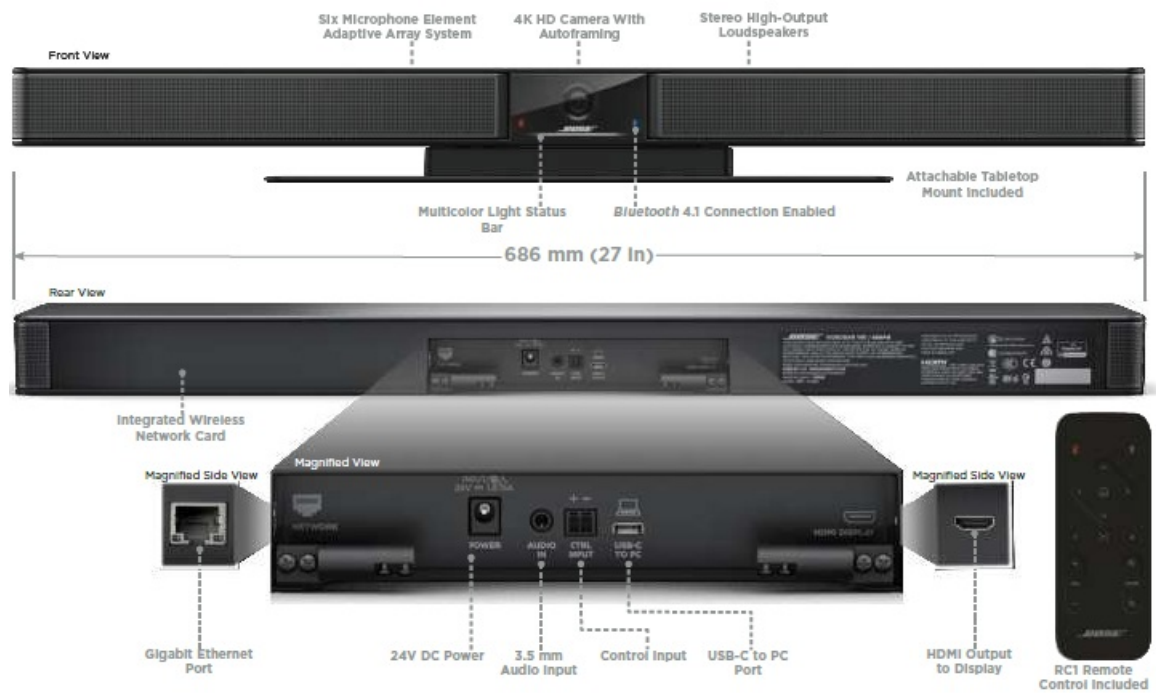
BOSE Videobar VB1 All In One USB Conferencing System User Guide

Contents

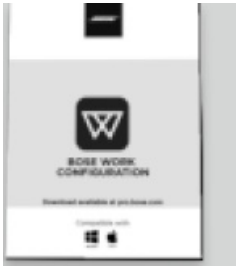**BOSE Videobar VB1 All In One USB Conferencing System**

HARDWARE OVERVIEW

Welcome to the Bose Videobar™ VB1. It is an all-in-one USB conferencing device that incorporates an onboard camera, microphones, loudspeakers, amplifier, processor, and network card – all inside this slim device.

Front View
Six Microphone Element Adaptive Array System
4K HD Camera With Autoframing
Stereo High-Output Loudspeakers
Attachable Tabletop Mount Included
Multicolor Light Status Bar
Bluetooth 4.1 Connection Enabled
686 mm (27 In)
Rear View
Integrated Wireless Network Card
Magnified Side View
Magnified View
Magnified Side View
Gigabit Ethernet Port
24V DC Power
3.5 mm Audio Input
Control Input
USB-C to PC Port
HDMI Output to Display
RC1 Remote Control Included

To gain optimal functionality, the Bose Videobar VB1 comes with a best-in-class suite of software with each application serving a specific purpose. Learn about the software applications on the next page.

SOFTWARE SUITE OVERVIEW

	BOSE WORK CONFIGURATION	BOSE WORK CONFIGURATION WEB UI	BOSE WORK MOBILE APP	BOSE WORK MANAGEMENT
Description	Provides user control of the camera and audio settings via the homepage and password-protected configuration settings via the Administration tab	Provides administrators remote management of a single Bose Videobar™ VB1	Provides an end user control over camera position presets, autoframing, microphone mute, volume, and *Bluetooth* connectivity	Provides enterprise-level remote management and system admin access to multiple Videobar™ VB1 devices installed on a local network.

Intended users	System admins and end users	System admins	End users	System admins
Operating system	Windows and MacOS	Web browser	iOS and Android	Windows
Download location	**PRO.BOSE.COM/VB1**	**PRO.BOSE.COM/VB1**	App Store℠ or Google Play™	**PRO.BOSE.COM**
Connection method	USB	Wired and wireless network	*Bluetooth* LE	Wired and wireless network
Remote management	No	Yes	No	Yes
Firmware updates	One device at a time	One device at a time	No	Single-device or multiple-device updates
Profile upload and download	One device at a time	One device at a time	No	Single-device download, with multiple-device upload

VERSION 1.2 NEW FEATURES

Bose is pleased to announce our Version 1.2 new features, enhancing the Bose Videobar™ VB1 experience.

The Bose Work Configuration App major feature upgrades:

- External control and monitoring via REST API integration
- Reverberant Room Compensation

The Bose Work Management App sees major feature upgrades:

- Add devices via IP address or IP address range

- Additional monitoring data columns in the main device list

- Shared new features with Bose Work Configuration App

- External control and monitoring via REST API integration

- Reverberant Room Compensation

 Our partnership with Microsoft has brought new integrations for Microsoft Teams through:
Anonymous people-counting Full Teams Telemetry support

 The Bose Videobar VB1 is now fully Zoom Certified!
This allows full peripheral recognition within Zoom Rooms and a host of other features.

MANUALLY ADD DEVICES BY IP ADDRESS

New Feature Explained
Bose Work Management has a new feature that lets you manually add Videobar™ VB1 devices via IP address. Users can easily type in one or multiple IP addresses into the text field or by uploading a CSV file containing the list of IP addresses.

Purpose
This allows Videobar™ VB1s to be added to a network infrastructure without the need to broadcast-scan the network via Multicast Device Discovery (mDNS).
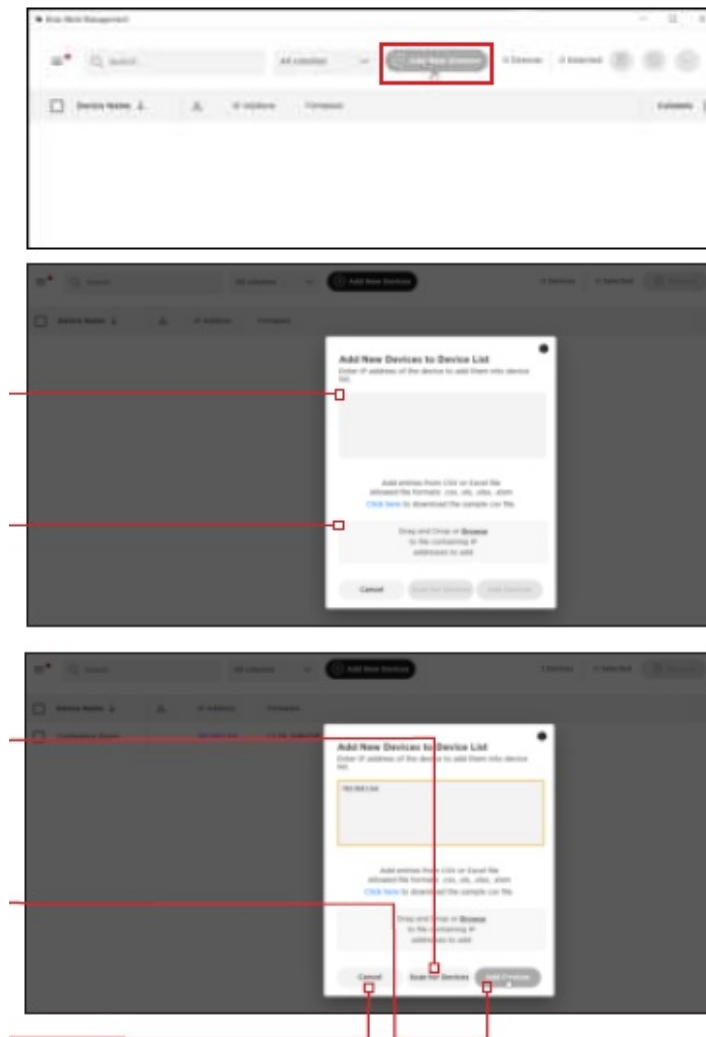
Benefits
IT integrators installing Bose Videobar™ VB1s can manually add them without having to use the app's automatic discovery tool.
IT administrators can assign and provide specific IP addresses to the equipment installer prior to onsite commission. The installer can then set up the Videobar VB1s IP address assignments while offsite using Bose Work Management or Bose Work Configuration. During system commission, the installer can upload the addresses to the local version of Bose Work Management to be used by the IT administrators without scanning the network.

How to configure
Open Bose Work Management. From the home screen, click on the + Add New Devices button at the top of the window.

A pop-up window will appear. Choose one of the following:
Enter the IP addresses in the larger field at the top of the window. Use one line per IP address or per range of IP addresses (click the "i" icon in the upper-right corner to view the acceptable formats of IP addresses to enter here).
Drag and drop a file containing the IP addresses over the smaller field at the bottom of the window. The acceptable file formats are CSV, XLS, XLSX, or XLSM.

After entering the IP addresses of all desired VB1s, do one of the following:
Click Scan for Devices to scan the network for VB1s with those IP addresses. When the network connection of each VB1 is scanned, it will appear in the Device List (VB1s that are not online will not appear in the list). You may then rescan or add discovered VB1s to the Device List.
Click Add Devices to add VB1s with those IP addresses to the device list without scanning the network for them. The new VB1s will be added to the Device List whether they are online or offline.
Click Cancel to exit the process without adding any VB1s.

ADD MONITORING COLUMNS TO THE DEVICE LIST

New Feature Explained
A second new Bose Work Management feature is expanding the available monitoring and alert statuses within the Device List. Users can now view each Bose Videobar™ VB1's active state of the Bluetooth connection, USB connection, camera, audio, call status, and more.

Purpose
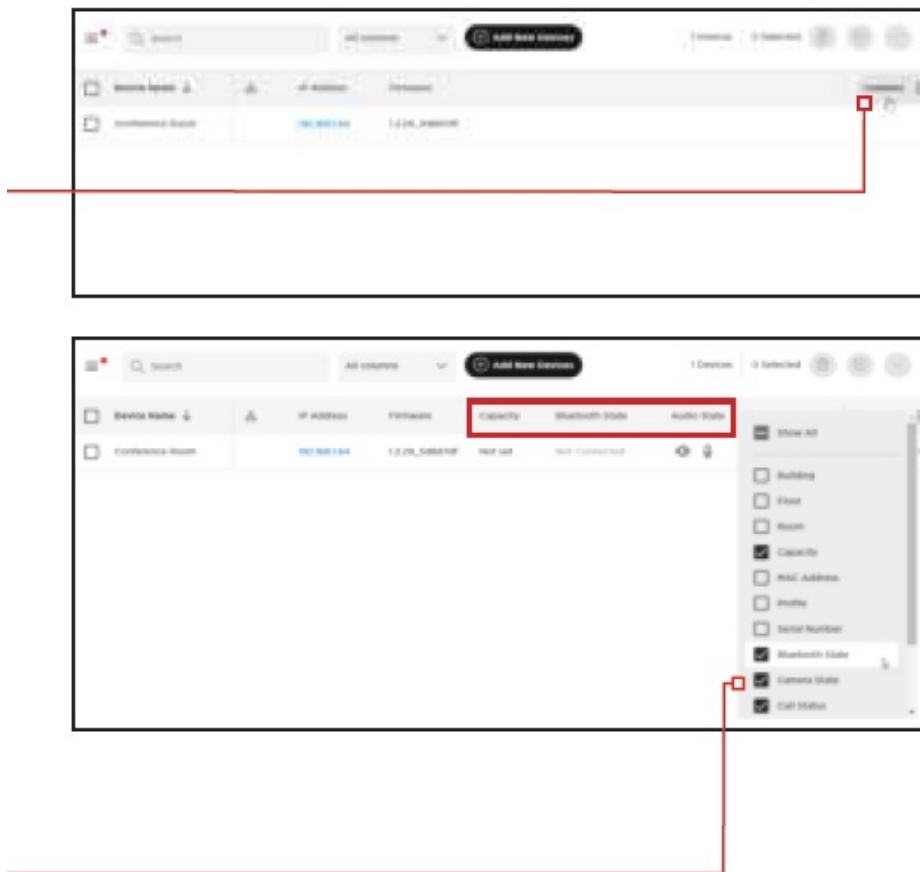Gain more live data to better monitor and service your Bose Videobar™ VB1s.

Benefits
IT administrators and support technicians can remotely manage and check the primary functions of all Videobar VB1s on their network. This provides faster and more accurate support by indicating how the user has connected to the device and its active states.
As an example, when a room meeting is in session, the computer's USB connection has been inadvertently unplugged from the Bose Videobar VB1. The remote technician can real-time view the disconnection via Bose Work Management. Having this information, they can instruct the in-room user to reconnect the USB cable and restore connection without the need to be onsite.

How to configure
The Device List enables you to monitor the status of all Videobar™ VB1s on the network. You can add or remove several optional columns to customize the Device List.
Choose which information is made visible by clicking on the Columns button.

Default and always visible	Optional	Optional: Added in Version 1.2
Device name	Building	Capacity
Network status	Floor	Call status
IP address	Room	USB connection
Firmware	MAC address	Device type
	Profile	Audio state
	Bluetooth state	
	Camera state	

From the dropdown menu, select/deselect a checkbox to add/remove that column to/from the Device List. You can select Show All to select all columns. As you click on each checkbox, the chosen selections will populate in the Device List.
Please note: You cannot remove the columns for Device Name, Network, IP Address, and Firmware.

THIRD-PARTY MONITORING VIA REST API

New Feature Explained
REST API support allows third-party room control systems, such as Crestron and Control4, to connect and communicate with the Bose Videobar™ VB1. REST API is an industry-standard programming language that provides a standardized method for control and monitoring.
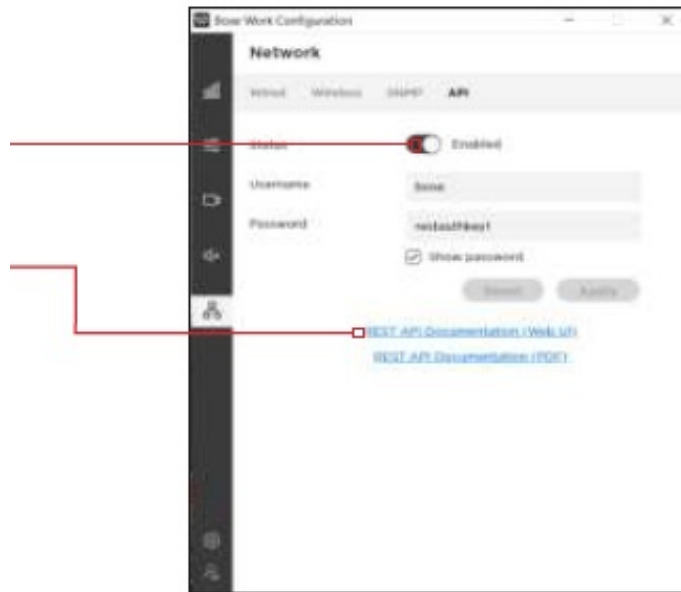
Purpose
Many businesses utilize room control systems for their conferencing spaces. The room control system communicates to all the room devices and controls them. When REST API is enabled, the Bose Videobar ™ VB1 can seamlessly interface with most third-party room control systems.

Benefits
Leveraging a room control system simplifies the user experience by providing a single interface to control all room devices from a touchscreen or mobile device. The Bose Videobar™ VB1 can be seamlessly controlled by the room control system and its interface can be customized to the specific user needs. Unused features can be hidden to remove complexity.
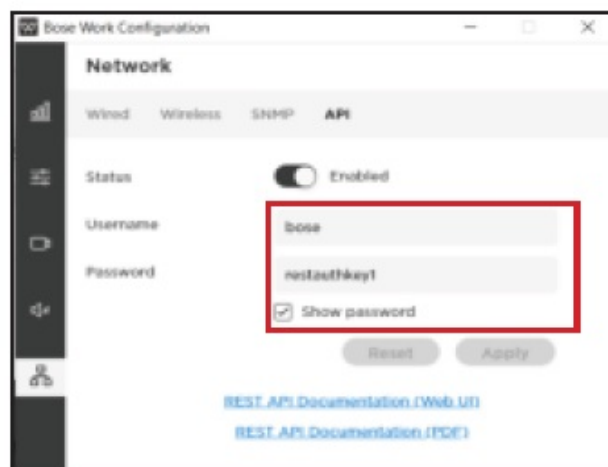
How to configure
Connect to the Bose Videobar™ VB1 using the Bose Work Configuration Utility. Sign into the Administration tab, select the Network tab, choose the API tab, and enable the API toggle.
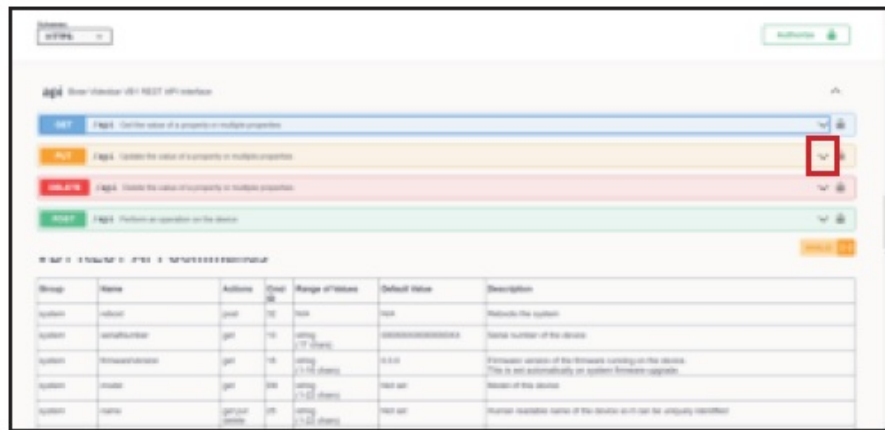Click the REST API Documentation (Web UI) hyperlink.

This will open the Swagger user interface for the REST API integration in the Bose Videobar VB1. In short, this means that all of the commands and responses integrated into the VB1 are viewable within the browser.
On the next page, steps to test the API are provided. For instance, the VB1's mute can be toggled on and off so its control can be verified through the Swagger UI.

How to test functionality
Open the Bose Work Configuration app to the API tab. Make sure the username and password are visible.

Scroll down to the Put command row and expand it.

Select the Lock icon and authenticate your browser session using the credentials found in the Bose Work Configuration app.
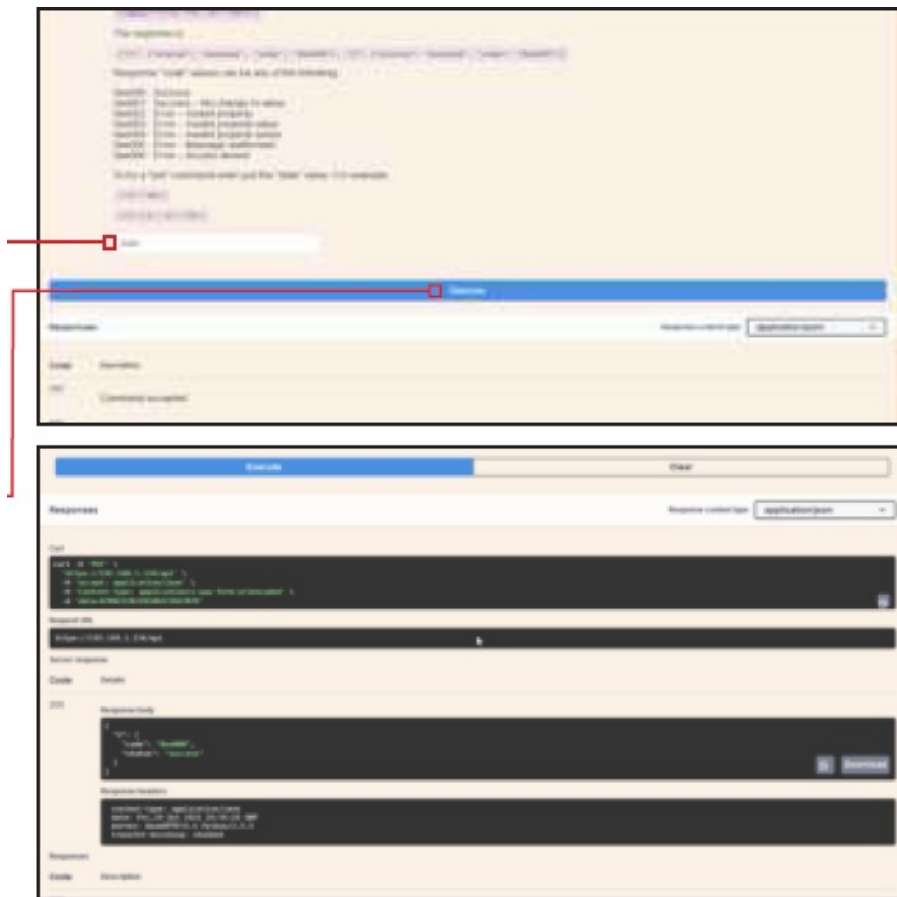

How to test functionality
Select the Try it out button.

Type the following command into the data field {"2":"1"}
This code uses command ID #2 which is the mute functionality, and sets it to True or in this case the number 1.
Click the Execute button to see the response code and the VB1's red mute icon turn on.

REVERBERANT ROOM COMPENSATION

New Feature Explained

Room Compensation is a setting that will increase the VB1's ability to provide speech intelligibility in reverberant spaces. This means that if a room is particularly "echo-ey" the VB1 can have this setting enabled to help the participants of that meeting space be understood more clearly on the far side of the call.

Purpose

Current advancements in Bose DSP technology have allowed the user to customize conferencing products to a greater degree. This means that we can now provide an option to customers placing Bose conferencing products in acoustically challenging environments and still maintain the great sound they expect from Bose.
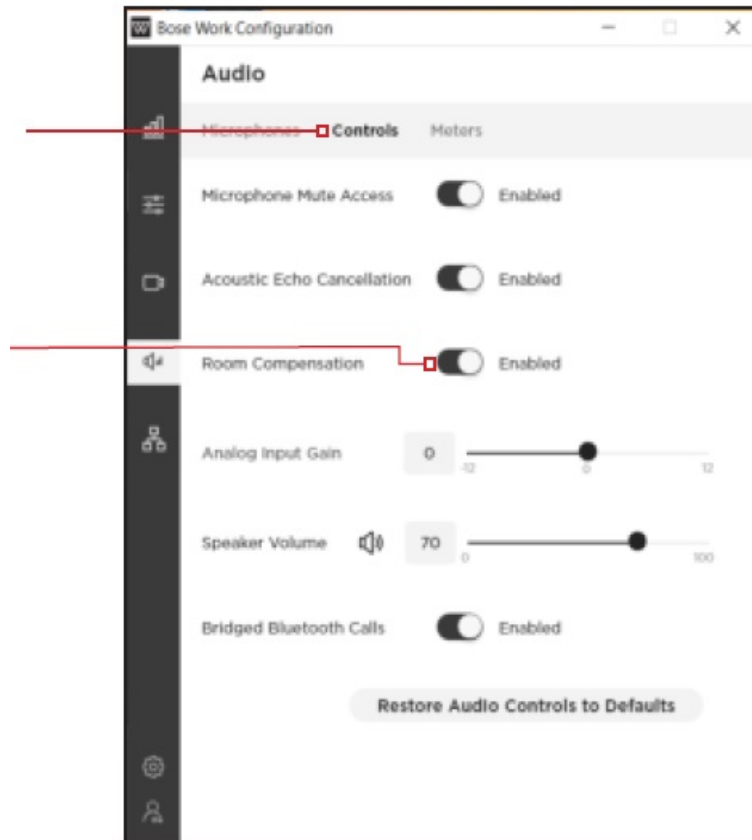
Benefits

The reverberant room compensation setting uses a high-pass filter to remove the negative effects of a reverberant space while maintaining intelligibility of the meeting participants' voices.

How to configure

After logging into Bose Work Configuration administration section, select the Audio page from the sidebar. Click on the Controls tab.
Click the Room Compensation toggle to enable.

NEW FEATURES OVERVIEW

Bose has achieved fast market adoption within the unified communications and video conferencing markets. This success can be attributed to our network of strategic partnerships. It is a rich ecosystem of UC providers, technology partners, and collaboration specialists. With these partners, Bose can deliver complete collaboration solutions with brands that you know and trust.

Together, we ensure our combined solutions are certified and compatible with the industry's most popular UC environments that offer superior user experiences wherever you are.

Our Microsoft Teams Certified solutions offer fully tested and verified conferencing experiences. They require less design time, deploy reliably, and operate easier with best-in-class clear communication.

This means Microsoft customers have the added assurance that our certified solutions provide a great technology experience.

The new V1.2 features include full Microsoft Teams telemetry device management and anonymous people-counting.

Bose works closely with Zoom to fully validate and test our solutions to ensure they deliver an optimized and easily repeatable conferencing experience.

People can hear more, see more, understand more — and work better.

The Bose Videobar™ VB1 is now fully Zoom Room certified! It meets the quality standards and connectivity requirements to effectively support Zoom conferencing spaces.

This means the VB1 can be added and recognized by a Zoom Room installation.

Documents / Resources

	BOSE Videobar VB1 All In One USB Conferencing System [pdf] User Guide Videobar VB1, All In One USB Conferencing System, Videobar VB1 All In One USB Conferencing System, USB Conferencing System, Conferencing System

References

- **Bose Professional**
- **Bose Videobar VB1 Conferencing Device | Bose Professional**