

# Bose Work Configuration Web UI

## User Guide

The Bose logo is centered on a solid black rectangular background. The word "BOSE" is written in a white, italicized, sans-serif typeface. A horizontal line extends from the left side of the letter "B" across the entire width of the black rectangle.

# Table of Contents

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<b>Introduction</b> .....	<b>1</b>
Browser Requirements .....	1
Trademark Notices .....	1
User Agreement and Privacy Information .....	1
<b>Login Screen</b> .....	<b>2</b>
Status Page .....	3
Configuration Page .....	5
Video Page .....	8
Audio Page .....	10
Network Page .....	13
<b>Settings</b> .....	<b>16</b>

## Introduction

The Bose Work Configuration web-based user interface allows administrators to configure Bose Videobar VB1 devices. The main configuration options include:

- Video settings (pan/tilt/zoom, brightness, contrast, etc.)
- Device settings (autoframing, microphone, etc.)
- Network and connection settings (network parameters, Bluetooth connection settings, etc.)
- Firmware updates (included in Administration settings)

## Browser Requirements

The application has the following web browser requirements:

- Google Chrome version 75 or greater
- Microsoft Edge version 44 or greater
- Safari Latest version 12.1.1 or greater
- Firefox version 67 or greater

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## User Agreement and Privacy Information

To view the Bose Work Configuration application User Agreement or the [Bose Privacy Policy](#), click the desired link on the [Settings](#) page.

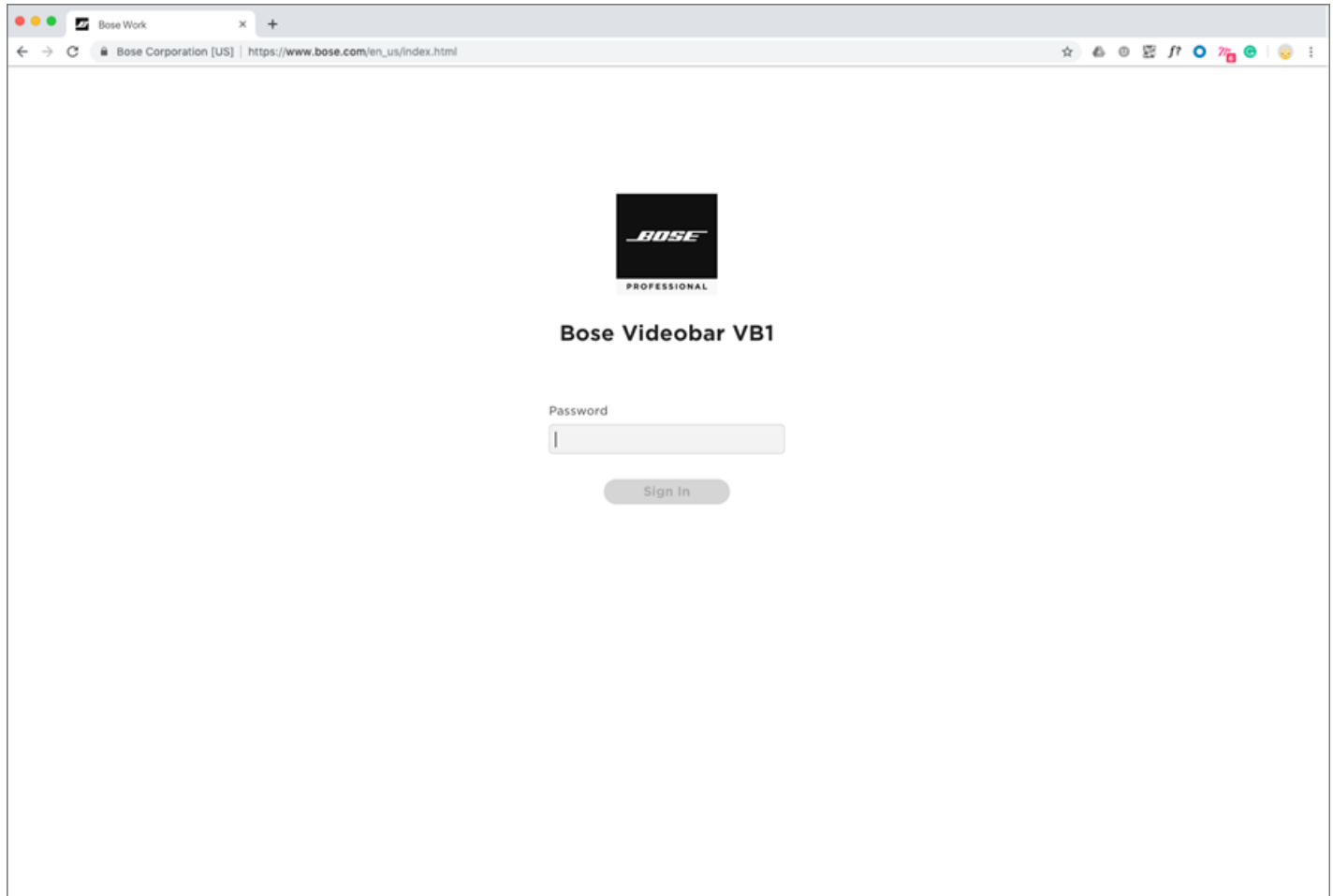
## Login Screen

A password is required to log into the application. The first time you log into a VB1 device, you must enter the factory default password of **Bose123!**

Enter the password and then click **Sign In**.

As a best practice, you should change the password. See the [Device Password](#) description in the [Configuration Page](#) topic for password requirements and instructions on changing the password.

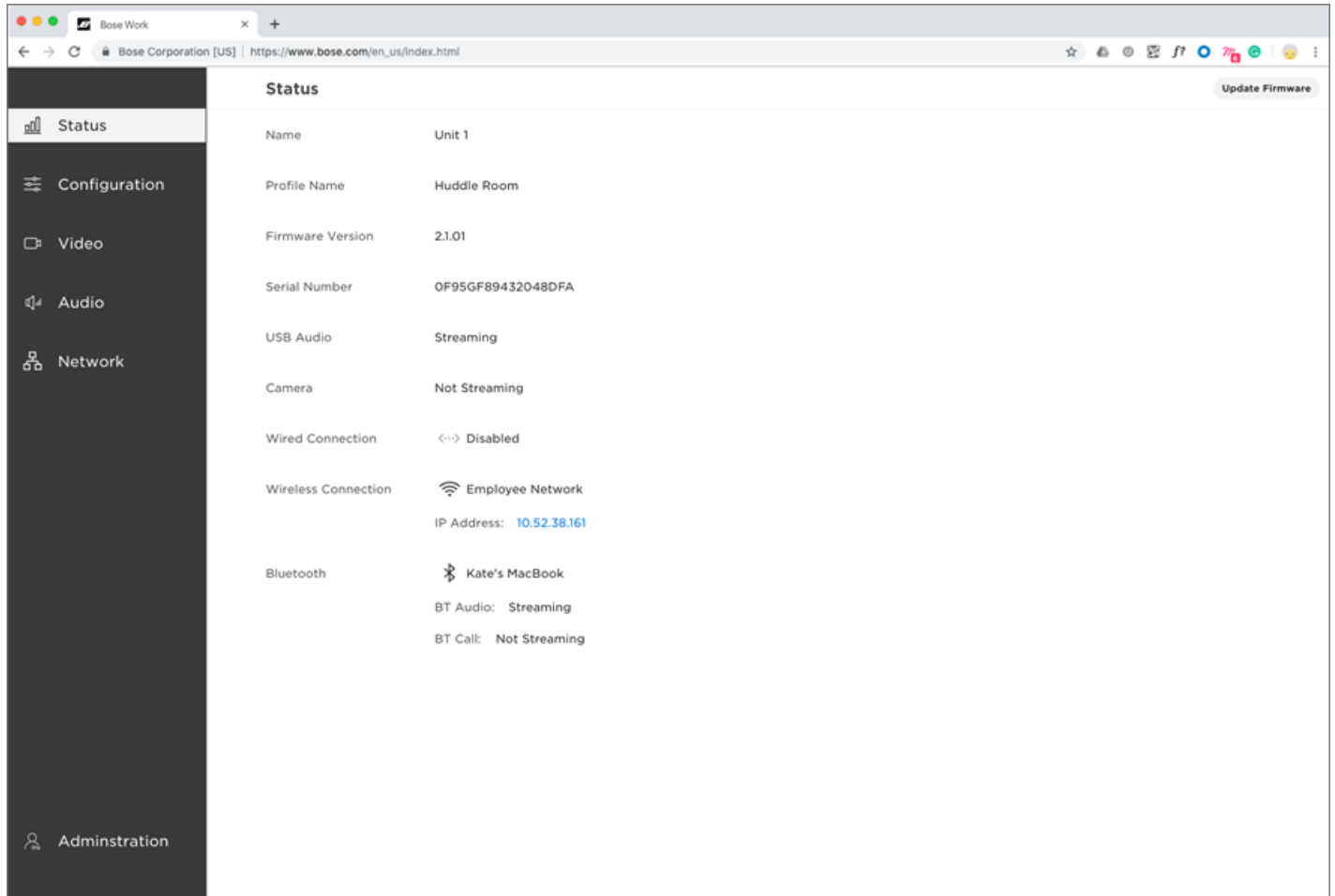
**Note:** After five unsuccessful login attempts, you must manually reset the device to restore its factory default settings so that it can accept the factory default password once again.



After you have successfully logged into the application, the [Status](#) page opens.

## Status Page

The **Status** page of the application provides information about the device and connection status. This information enables you to quickly determine whether the device firmware is up-to-date and whether components and connections are functioning as expected.



The following information is included on the **Status** page:

- **Name:** The name that was assigned (on the [Identity](#) screen of the **Configuration** page) to the Videobar VB1 device.
- **Profile Name:** The unique name of the saved configuration [profile](#) that was uploaded to the Videobar VB1 device.
- **Firmware Version:** Version number of the installed firmware.  
*Note: See [Configuration Page](#) for information about installing firmware.*
- **Serial Number:** Videobar VB1 serial number.
- **USB Audio:** Bluetooth audio streaming status: **Streaming** or **Not Streaming**.
- **Camera:** Camera (video) status: **Streaming** or **Not Streaming**.
- **Wired Connection:** Status of the wired connection:
  - If a wired connection has not been set up, the status is **Disabled**.

- When a wired connection is established, the status is **Connected** and the IP address is displayed as an active link.
- If a wired connection is established and the signal is lost, the status is **Disconnected**.
- **Wireless Connection:** Status of the wireless connection:
  - If the wireless connection has not been set up, the status is **Disabled**.
  - When a wireless connection is established, the name of the wireless network appears and the IP address is displayed as an active link.
  - If a wireless connection is established and the signal is lost, the status is **Disconnected**.
- **Bluetooth:** Bluetooth connection status: **Connected** or **Not Connected**. If connected, the name of the device that is paired to the VB1 device is displayed, along with the **BT Audio** and **BT Call** status as either **Streaming** or **Not Streaming**.

## Configuration Page

The **Configuration** page enables you to install current or previous firmware versions, configure user access to certain video, audio, and connectivity settings, configure device profiles, configure system settings, and specify device identification settings.

### Firmware

When using the Bose Work Configuration webUI app to configure the VB1 over a network connection, you will not be able to automatically check or update the firmware from the online Bose server.

Instead, do one of the following:

- Use the Bose Work Configuration desktop app.
- Use the Bose Work Management app.

If you still want to use Bose Work Configuration webUI app, then download the firmware file directly to your computer and perform a local installation.

### Installing Firmware

To perform a firmware installation:

1. Locate the firmware file on [PRO.BOSE.COM](https://pro.bose.com) and save it to your computer.
2. In the gray box on the **Firmware** screen, drag and drop or click **Browse** to locate and select the .bin file for the firmware you want to install. Verify that the name of .bin file that appears in the gray box is correct, and then click **Install**.

**Note:** If the installation fails, a dialog box appears to inform you that there was an error installing the firmware update. Click **OK** to close the dialog box.

### User Access Screen

The **User Access** screen enables you to specify whether to grant user access to certain settings for video, audio, and network and connectivity.

Click the toggle to enable/disable access to the following **Video**, **Audio**, and **Network & Connectivity** features:

- **Camera:** Enables/disables the Videobar VB1 device's camera.
- **Autoframe Access:** Enables/disables users' ability to turn Autoframe on or off.  
***Note:** When disabled, Autoframe will remain in the OFF state on the [Home screen](#).*
- **Microphone Mute Access:** Enables/disables users' ability to mute the Videobar VB1 device's microphone.
- **Wired Network:** Enables/disables the ability to connect to a wired network.
- **Wireless Network:** Enables/disables the ability to connect to a wireless network.
- **Bluetooth:** Enables/disables the Bluetooth connectivity.

### Profile Screen

The **Profile** screen allows you to upload, download, and restore device profiles. A profile contains a unique profile name and may also include an identifying description.

## Restoring a Profile

The installed profile, whether it is the factory default or a newly updated version, appears with an asterisk (\*) if it has been modified (one or more parameters within the profile have been changed).

**Note:** Examples of profile changes include disabling Bluetooth wireless technology or changing the wired network mode from DHCP to static.

You can restore a profile to discard all changes by clicking the **Restore** button in the **Active Profile** section. A dialog box appears to warn that the applied profile will override the current profile and ask for confirmation. Confirm whether you wish to proceed with restoring the profile by clicking either **Cancel** or **Restore**.

## Saving the Current Profile

After you modify device parameters, you can save your changes in a new profile (for example, in profile called “Huddle Room”). You can then upload that profile to other devices to save configuration time.

To save configuration changes in a new profile, click the **Save As** button in the **Download Active Profile** section. A **Profile Description** dialog box appears with a 256-character limit text box, in which you can add an identifying description of the profile.

## Uploading a Profile

To upload a saved profile to a Videobar VB1 device, in the gray box in the **Upload Profile** section, drag and drop or click **Browse** to locate and select the file you want to upload, and then click **Apply**.

**Note:** Uploading a profile will override any current configured settings.

## System Screen

The **System** screen provides access to system settings, system logs, and password settings. It also allows you to restore factory default settings and restart the device.

The **System** screen includes the following settings and functions:

- **GPI Active:** Specify the active state of the connected alarm system: **High** or **Low**.
- **Time Zone:** Select the local time zone.
- **NTP Server:** Enter the IP address of a Network Time Protocol (NTP) server.
- **Low Power Mode:** Enables/disables low power consumption (standby) mode. When enabled, the system will enter Low Power mode after being idle for two hours.
- **Download Logs:** Download system log files.
- **Device Password:** Click the **Change** button to reset the device password. Enter the new password in both the **New Password** and **Confirm Password** text boxes, and then click **Save**.

Passwords must contain:

- 8-12 characters
- An upper and lowercase letter
- A number
- A special character

If you forget the new password, the application will prompt you (after five unsuccessful login attempts) to restore the device to the factory default settings. You must reset the device to accept the default password once again.

- **Restore All Settings to Default:** Click the **Restore Defaults** button to restore the Videobar VB1 device



to its original factory settings.

- **Restart Device:** Click **Restart Now** to immediately restart the device.

## Identity Screen

The **Identity** screen includes user-editable location names for the device. These names are useful when viewing and sorting multiple devices (in multiple locations) in the Bose Work Management application.

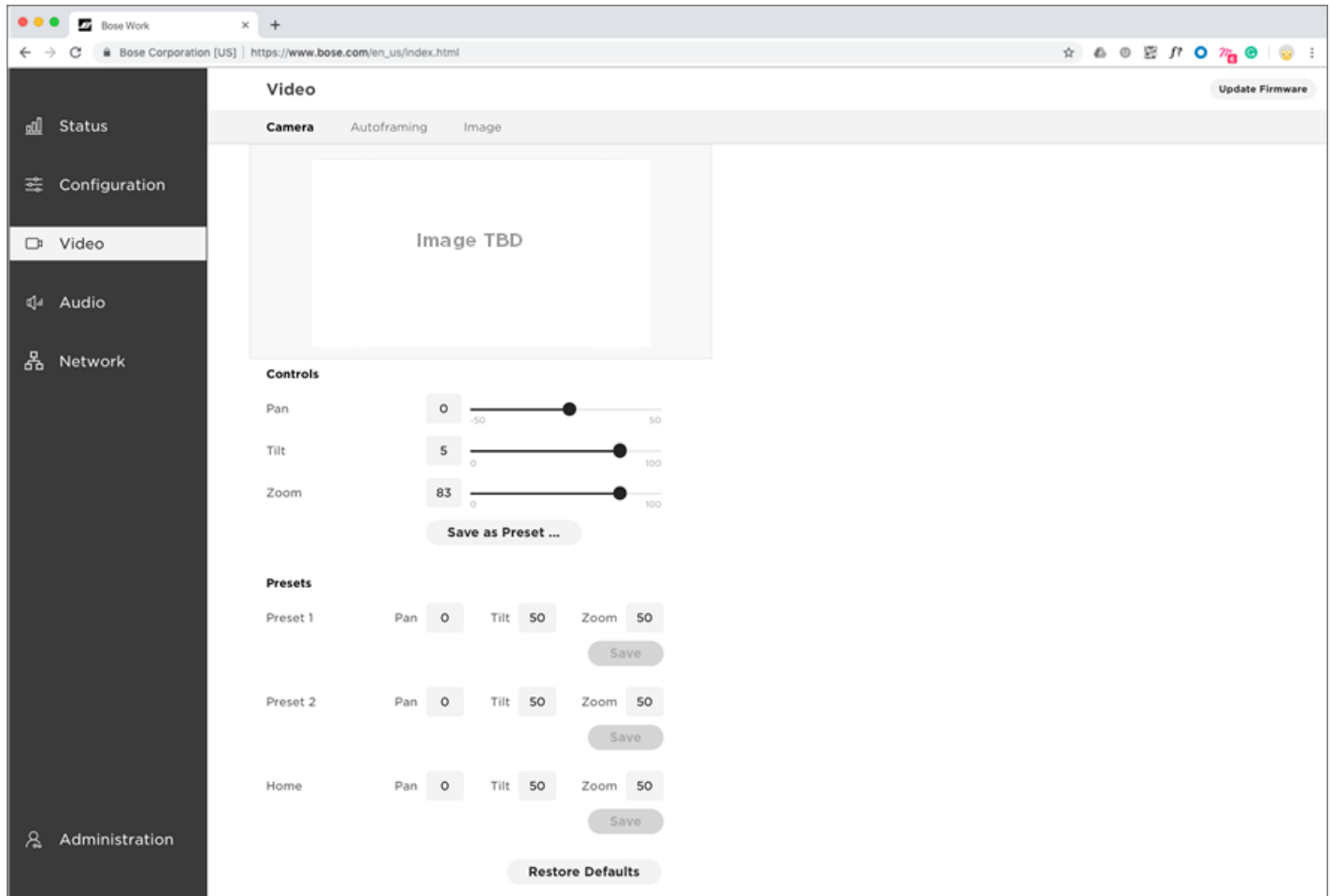
You can edit the following text boxes to provide the name and physical location of the device:

- **Device Name**
- **Building**
- **Floor**
- **Room**

**Note:** The fields on the **Identity** screen should be populated and cannot exceed 22 characters.

## Video Page

The **Video** page includes controls for directing the camera, autoframing, and image processing.



### Camera Screen

The **Camera** screen enables you to configure the camera pan/tilt/zoom (PTZ) settings and save a configuration as one of three camera presets on the device. These presets allow users to quickly change the position of a camera.

#### Saving New Presets

In the **Controls** section, adjust the **Pan**, **Tilt**, and **Zoom** settings by typing directly in the text boxes or by adjusting the sliders. When you are finished, click **Save as Preset**, and then specify that you want to save it as **Preset 1**, **Preset 2**, or **Home**. You can then quickly and automatically adjust the camera to the settings defined in a preset by clicking a preset button on the application's Home screen.

#### Viewing Existing Presets

You can view any existing presets by clicking the **View** icon  that appears when you hover the mouse over the preset name in the **Presets** section. The **Pan**, **Tilt**, and **Zoom** settings change to those defined in the preset. If no preset exists, the eye icon will not appear.

## Changing Existing Presets

You can change existing presets by editing its values in the **Pan**, **Tilt**, and **Zoom** text boxes in the **Presets** section, and then clicking **Save**. In the dialog box that appears, confirm that you want to proceed with the change by clicking either **Cancel** or **Save**.

## Restoring Default Presets

If you want to restore all presets to their original factory default settings, click the **Restore Defaults** button at the bottom of the screen. In the dialog box that appears, confirm that you want to proceed with restoring factory defaults by clicking either **Cancel** or **Save**.

**Note:** If you make changes and try to leave the screen without saving them, the **Unsaved Changes** dialog box appears. Click **Cancel** to return to the **Camera** screen where you can save your changes, or click **Leave** to exit and discard changes.

## Autoframing Screen

The **Autoframing** screen allows you to enable/disable **Autoframe Access**, which allows users to turn Autoframe on and off by using the remote control or the Bose Work application on a mobile device.

Click the toggle to enable/disable user access.

Click the Autoframe icon  to turn Autoframe on and off.

**Note:** When **Autoframe Access** is disabled, all of the settings on this screen are unavailable and cannot be configured.

When **Autoframe Access** is enabled, you can configure the following settings:

- **Headroom Adjustment:** Tap to select either the **Sitting** or **Standing** radio button.
- **Zoom Speed:** Tap to select the **Slow**, **Normal**, or **Fast** radio button.
- **Pan/Tilt Speed:** Tap to select the **Slow**, **Normal**, or **Fast** radio button.
- **Autoframe Border Size:** Tap to select the **Small**, **Normal**, or **Large** radio button.

## Image Screen

The **Image** screen provides access to the following camera image settings:

- **Low Light Correction:** Click to enable/disable automatic low light correction. When enabled, Low Light Correction optimizes video in dim lighting conditions.
- **Antiflicker/Power Line Frequency:** Select **50** or **60**Hz for your region, or select **Off** to disable anti-flicker processing.

Type a value directly in the text box or move the slider to configure the following image settings:

- **Brightness:** Adjusts overall lightness/darkness of the image.
- **Contrast:** Adjusts difference in the light and dark areas of the image.
- **Saturation:** Adjusts depth of colors in the image.
- **Sharpness:** Adjusts image clarity.
- **White Balance:** Compensates for color temperature of light source.

If you want to restore all Image settings to their original factory default settings, click **Restore Defaults**.

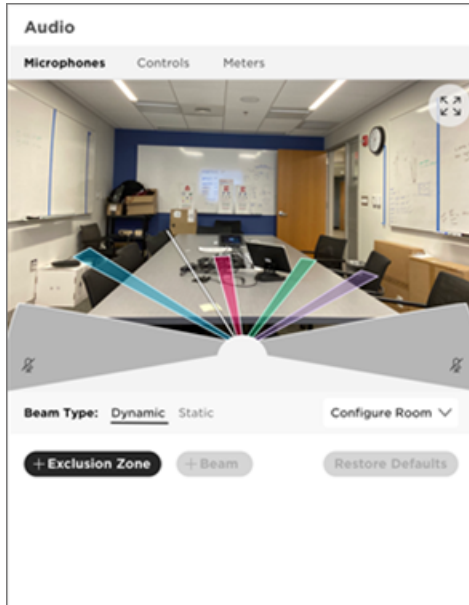
## Audio Page

The **Audio** page provides access to microphone array settings, audio settings, and audio input and output levels.

### Microphones Screen

The **Microphones** screen of the **Audio** page allows you to specify the microphone **Beam Type** and set beams (depending upon the beam type) to optimize the detection of people speaking in the room. You can also set exclusion zones to minimize unwanted noise.

The microphone beams are overlaid on the live video stream to provide a visual representation of the microphone beam coverage.



### Dynamic Beams


The default beam type is **Dynamic**, which includes a free running beam (a single white line) that searches for the loudest sound in the room, and dynamic beams (translucent, colored, wedge-shaped images) that are automatically allocated to the people speaking in the room.

### Static Beams

In some situations, better performance may be obtained by aiming static beams at designated speaking locations. In this case, set the **Beam Type** to **Static**, and manually allocate a beam by clicking **+Beam** and then clicking and dragging the beam to a designated speaking location in the room.

### Adding and Deleting Beams

To add a beam, click the **+Beam** button. If you want to delete a beam, click to select it and then click the

**Delete** icon  (which appears only when you select a beam, and is the same color as the selected beam).

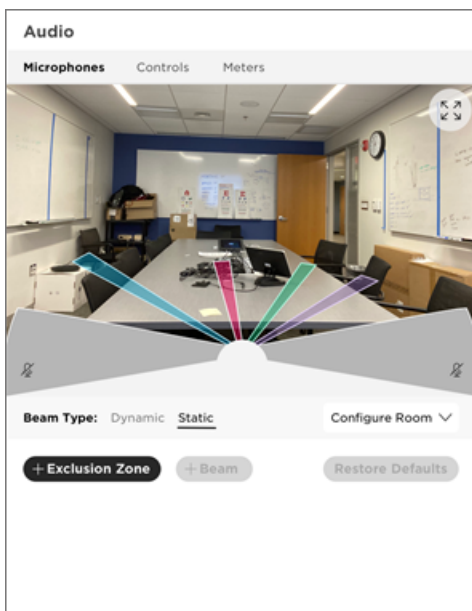
**Note:** There is a maximum of four beams that can be allocated. Therefore, the **+Beam** button is active only when there are less than four beams.

## Exclusion Zones

Exclusion zones can help minimize unwanted noise by designating areas in which dynamic microphone beams will never be allocated.

By default, two exclusion zones exist and are represented by the gray areas at the bottom left and right sides of the room image.

**Note:** You cannot delete the default exclusion zones or make them smaller, but you can make them larger.



To add an additional exclusion zone, click **+Exclusion Zone**, which adds a gray beam to the image.

**Note:** There is a maximum of three exclusion zones. Therefore, the **+Exclusion Zone** button is active only when there are less than three zones.

You can adjust the exclusion zone angles to increase or decrease its coverage by clicking the zone and then dragging the handle.

## Room View and Configuration

Click **Configure Room** on the right side the screen to access room **Width** and **Depth** options. Move the slider to the right to increase the room width and/or depth, or to the left to decrease it.

**Note:** Click **Restore Defaults** to restore all image settings to their original factory default settings.

## Controls Screen

Click the toggle to enable/disable access to the following features:

- **Microphone Mute Access:** Enables/disables users' ability to mute the Videobar VB1 device's microphone.
- **Acoustic Echo Cancellation:** Enables/disables Acoustic Echo Cancellation.
- **Analog Input Gain:** Set the gain as needed to adjust an external source to the other audio sources (USB and Bluetooth audio).
- **Speaker Volume:** Adjusts the audio level on the Videobar VB1 device. This setting can also be adjusted using the computer's volume control, the remote control, or the volume control on a paired mobile device.

**Note:** Click **Restore Defaults** to restore all image settings to their original factory default settings.

## Meters Screen

The **Meters** screen includes audio input levels for Bluetooth wireless technology, USB, and the Microphone array, as well as output levels for Bluetooth audio, USB, and the loudspeaker.

## Network Page

The **Network** page provides access to wired, wireless, and Simple Network Management Protocol (SNMP) network configuration settings.

### Wired Network

Click the right side of the **Status** toggle to enable the wired network, or click the left side of the toggle to disable it.

**Note:** IP settings appear on the screen only when the wired network is enabled.

The screenshot shows the 'Network' configuration page with tabs for 'Wired', 'Wireless', and 'SNMP Settings'. The 'Wired' tab is active. Under 'Status', there is a toggle switch labeled 'Enabled' and a status indicator showing '<--> Connected'. Under 'IP Configuration', there are two radio buttons: 'DHCP' (selected) and 'Static'. Below these are fields for 'IP Address' (10.1.3.4), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.102.68.5), 'Primary DNS' (123.102.68.5), 'Secondary DNS' (123.102.68.4), and 'MAC Address' (00:34:55:65:66:77). A 'Restore Defaults' button is located at the bottom right of the configuration area.

You can also view and configure the following IP settings when the wired network is enabled:

- **IP Configuration:** Specify the IP configuration type by selecting either the **DHCP** or **Static** radio button.
- **DHCP** (Dynamic Host Configuration Protocol) dynamically assigns the **IP Address**, **Subnet Mask**, and other network parameters (when applicable) for the Videobar VB1 device.
- Select **Static** to manually enter an **IP Address** and **Subnet Mask**. When you are finished configuring settings, click **Apply**.

The **Apply** button (for Static IP configuration) remains inactive until you enter the minimum required input; the **IP Address** and **Subnet Mask**. Changes do not take effect until you click **Apply**.

The following optional settings are read-only when the IP configuration type is **DHCP** and can only be configured when the IP configuration type is **Static**. The **MAC Address** is always read-only.

- **Default Gateway:** IP address for the device used to forward traffic to other networks.
- **Primary DNS:** IP address of the primary DNS server that assigns an IP address to a device.
- **Secondary DNS:** IP address of the primary DNS server that assigns an IP address to a device when the Primary DNS server is not available.
- **MAC Address:** The media access control address, which is a unique identifying number assigned to the network interface controller (NIC).

**Note:** Click **Restore Settings** to restore all network settings to their previous values.

## Wireless Network

Click the right side of the **Status** toggle to enable the wireless network, or click the left side of the toggle to disable it. The **Status** section also includes the **Connected/Disconnected** indicator.

The **Network** section includes a drop-down list of available networks. The list displays each network's signal strength and a lock icon if the network is password protected. If you select a WPA2 network, a dialog box appears in which you must enter a password and click **Join** to connect to the network.

After the wireless connection is established, the **Status** appears as **Connected** and you can select the **Automatically Connect** check box to allow the network to automatically connect in the future.

**Note:** IP settings appear on the screen only when the wireless network is enabled and a network is selected from the list.

**Network**

Wired **Wireless** SNMP Settings

Status ☒ Enabled  
 Connected

Network Employee Network ☐ Automatically Connect

IP Configuration ☒ DHCP ☐ Static

IP Address 10.1.3.4

Subnet Mask 255.255.255.0

Default Gateway 192.102.68.5

Primary DNS 123.102.68.5

Secondary DNS 123.102.68.4

MAC Address 00:34:55:65:66:77

Restore Defaults

You can also view and configure the IP settings when the wireless network is enabled. [IP configuration](#) and settings for a wireless network are the same as the wired network.

## Advanced Wireless Security Settings

If you select a network that requires advanced security settings the system automatically detects and displays the associated configuration fields.

For example, if you select an 802.1 x EAP network, a dialog box appears: "The Wireless network "[network name]" requires a 802.1 x EAP password." In addition to the **Password** text box, drop-down lists are included for specifying security settings associated with an 802.1 x EAP network:

- EAP Method
- Phase 2 Authentication
- CA Certificate
- Identity
- Anonymous Identity



If you select **Join Other Network** from the network drop-down list, the **Find and join a Wireless Network** dialog box opens and prompts you to enter the **Network Name** and select the security type from the **Security** drop-down list. Upon selecting a security type, the dialog will expand to display the configuration fields for the associated security settings.

**Note:** Click **Restore Settings** to restore all network settings to their previous values.

## SNMP Settings

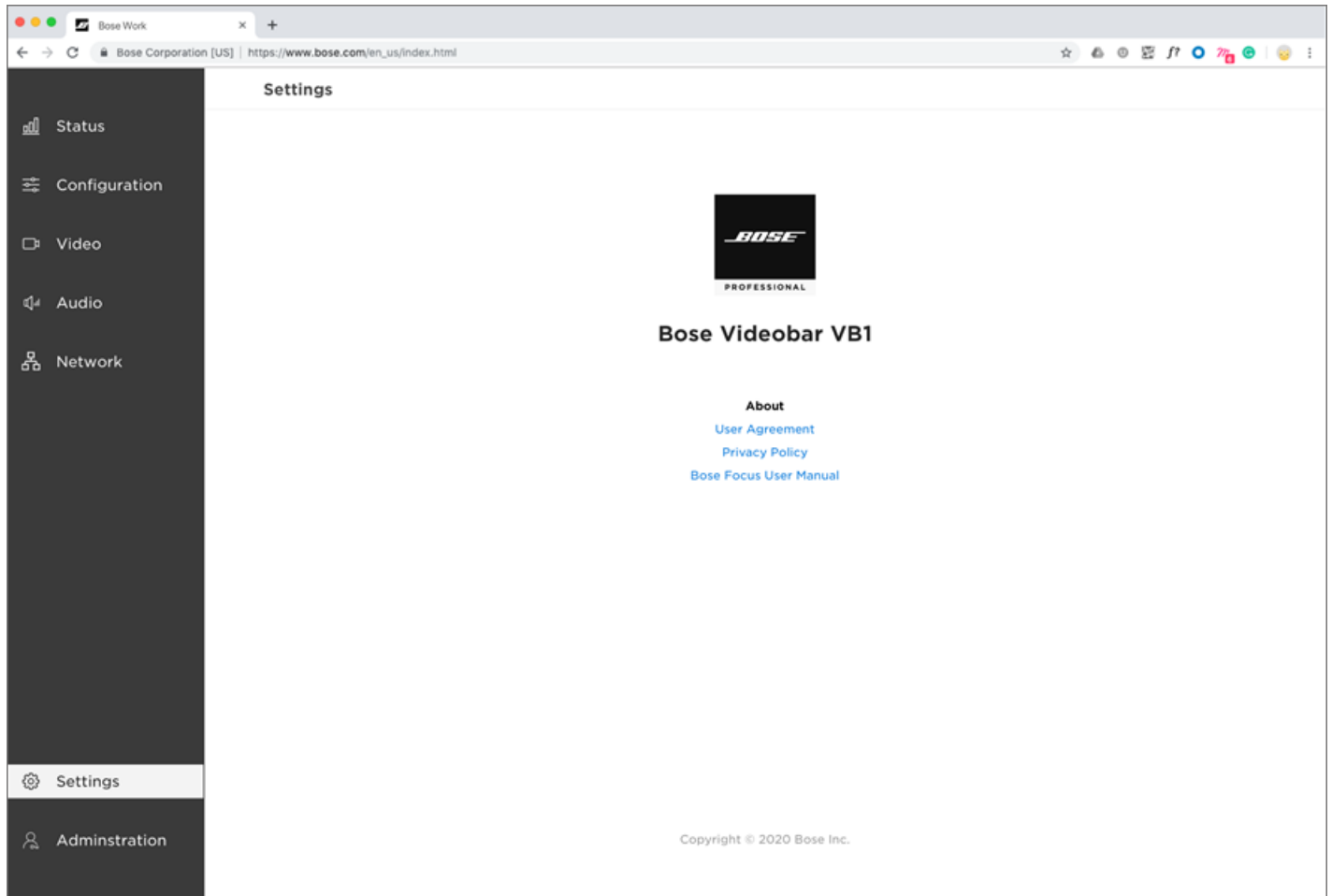
Bose Work supports the Simple Network Management Protocol (SNMP) for network management and monitoring.

When available, use the **SNMP Settings** to specify the authentication protocol and its associated username and password. You can also specify an encryption protocol and privacy passphrase, and identify the Trap server for device issue alerts and notifications.

The screenshot shows a web interface for network configuration. At the top, there's a 'Network' header with three tabs: 'Wired', 'Wireless', and 'SNMP Settings'. The 'SNMP Settings' tab is active. Below the tabs, there are several input fields: 'Authentication Protocol' (a dropdown menu showing 'MD5'), 'Username' (a text input field), 'Password' (a text input field), 'Encryption Protocol' (a dropdown menu showing 'DES'), 'Privacy Passphrase' (a text input field), and 'Trap Server' (a text input field). At the bottom right of the form, there are two buttons: 'Reset' and 'Apply'.


# Settings

The Bose Work Configuration application **Settings** page provides version information for the application.



You can access the following documentation by clicking its link in the About section:

- Bose Work Configuration application User Agreement
- Bose Privacy Policy
- Bose Work Configuration User Manual

Click the **Settings** icon  in the left pane of any page within the application to access the **Settings** page.