Z Series

App Guide

Overview

Thank you for purchasing the AtlasIED Z Series High Definition Acoustical System. The iOS® and Android® Apps are optional tools with many powerful features. This guide is an overview of the basic functions currently available and describes how to use the Z Series App with a Z2 / Z4 base unit or Z-SIGN. Visit the App Store, Google Play Store, and AtlasIED.com for updates.

The Z Series App can be used to turn the Enhanced Speech Privacy function on and off, and also adjust Level and EQ settings when in BT range by connecting to the Z2 / Z4 base unit. The Z Series App can also connect to a Z-SIGN in order to adjust settings when at a longer distance from the Z2 / Z4 base unit. The Z-SIGN acts as a data transceiver bridge connecting the mobile device to the Z2 / Z4 base unit.

The Z-SIGN incorporates BLE® communication technology for pairing to a mobile device for short distance data communication (not streaming audio) and uses 915MHz ISM Band to transmit longer distances to a Z Series unit. Using the mobile Z Series App allows for remote control and monitoring of the Z Series system and can assist in setting up levels when in zones. **Note:** Response is best when connected directly to the Z2 / Z4 base unit. Using the Z-SIGN as a data bridge adds short delays of system control and status response time (typically <1sec).

Z Series App   Z2 or Z4 Base Unit

Bluetooth® BLE®

Bluetooth® Streaming

Z Series App   Z-SIGN   Z2 or Z4 Base Unit

Bluetooth® BLE®

UHF

Bluetooth® Streaming
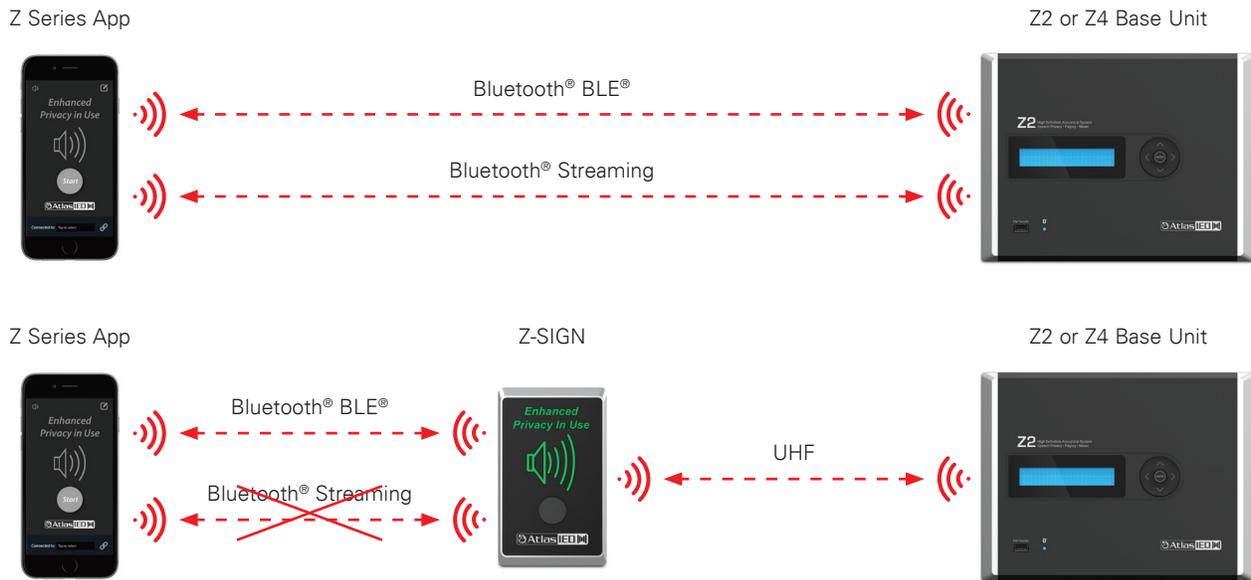
Z Series App Features

- Activates Z System Enhanced Speech Privacy function
- Adjust music, paging, and masking levels per zone
- Assist in setup of EQ music, paging, and masking per zone
- Allows selection of the Z-SIGN Operating Mode settings
- Provides information about the FW Version and ID of Z Series base unit and Z-SIGN
- Shows battery level of Z-SIGNs

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Application Setup

Download the Z Series App from the App Store or Google Play Store.
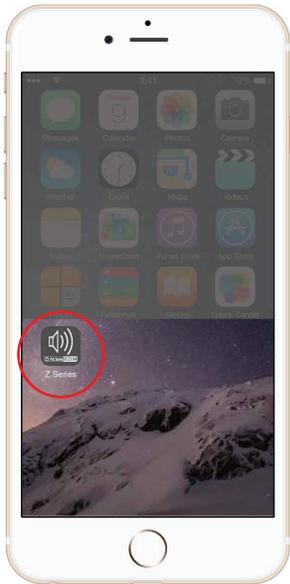
Open the App.

Make sure Bluetooth® is enabled on the mobile device.

The App scans for available Z Series devices when first opened, and will automatically connect to any devices it was previously connected to. When connecting for the first time, select NO and tap the Link icon to open the connect page.

The connect page scans for Z Series devices and displays their signal level. If a Z Series device is connected (in use) with another device, it will not show as available.

This figure shows three Z Series devices that have been discovered. Two of the devices have the same ID number. If multiple devices share the same ID number, they are linked to the same Z Series base unit. In this example, one device is the Z Series base unit and the other is a Z-SIGN that has not been renamed. While the mobile App is able to connect to either device, it is recommended to connect to the device with the stronger signal.

Note: The third device may be located in a different room. It is important to first look at the Z2 / Z4 base unit display and locate its ID number to match it to a device in the discovery list.
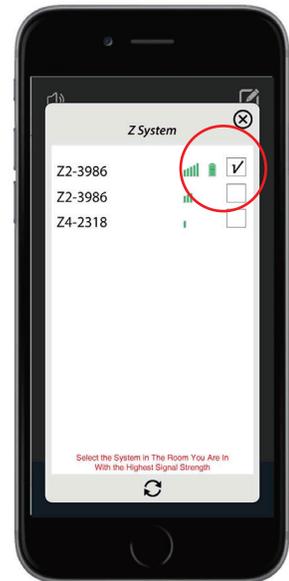
Tap the check box to connect to the device. **Note:** A battery icon will appear when connected to a Z-SIGN.
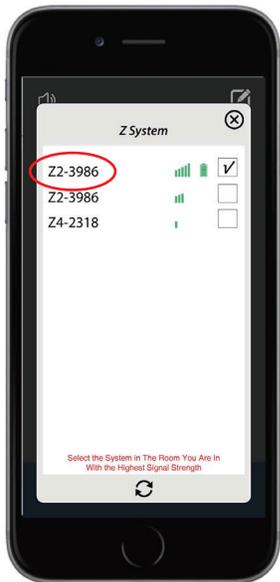
Tap the Z Series ID to open the Info page.
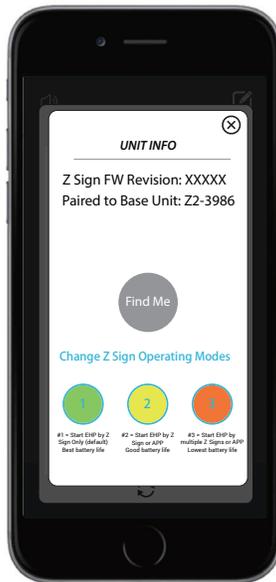
The Info page will show if the device is a Z Series base unit or Z-SIGN. If it is a Z-SIGN, the firmware revision and paired base unit will be listed. To physically identify the Z-SIGN, press the "Find Me" button and the connected Z-SIGN will flash green.
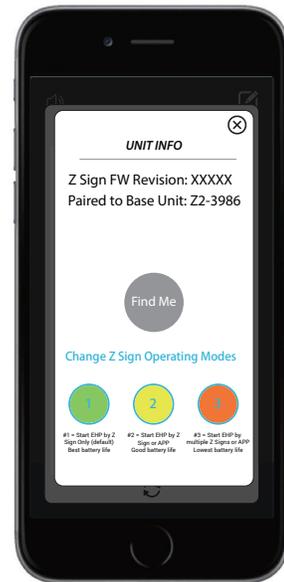
The three selections at the bottom of the Info page are used to configure the Z-SIGN operating modes. **Note:** When using multiple Z-SIGNs, each sign needs to be selected individually in order to configure the operating modes.

1. Green - Start EHP by Z-SIGN Only (Default) - This mode is best for using a Z-SIGN as a stand alone single sign. When pressing the Z-SIGN Activation button, it wakes and transmits to the Z Series base unit. The Z Series base unit responds back and starts the Z-SIGN speaker wave pulse indicating the EHP function is operating. After pressing the Z-SIGN Activation button to stop the EHP, the Z-SIGN switches off to save battery life. (Best Battery Life)

Note: In this mode using the App activation button will only turn Off the EHP when the Z-SIGN is On. It will not turn it On when the Z-SIGN is in Sleep mode.

2. Yellow - Start EHP by Sign or App - This mode allows the Z-SIGN to stay in an "App-ready" mode. In addition to using the Z-SIGN Activation button, the Z Series iOS® or Android® App can also wake the Z-SIGN to transmit to the Z Series base unit. The App and Z-SIGN work interactively. (Good Battery Life)

3. Red - Start EHP by Multiple Signs or App Interactively - In this mode the Z-SIGN stays in "ready" mode to receive both BLE® from the App and UHF from the Z Series base unit. This mode is used when multiple Z-SIGNs are needed. In this mode, all Z-SIGNs and App work interactively together. (Lowest Battery Life)

Note: All Z-SIGNs must be in Red Mode to work together.

The name of the connected Z device can be changed by tapping on the icon and entering the password.

Type the name and Save. The new name will now show in the bottom "Connected to:" window.
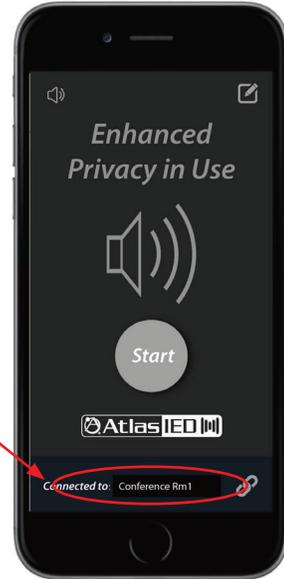
When the App is re-launched, it will auto-connect to this Z device.

Note: This connection does not affect the streaming audio connection. Streaming audio is separate and can only be paired to a Z2 or Z4 when in BT range.

The App can also be used to mute or adjust levels and EQ in each zone. Tap on speaker icon and enter the password.
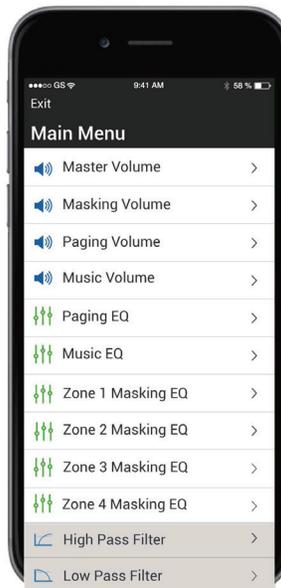
Select the desired parameter to adjust and the settings page will open.
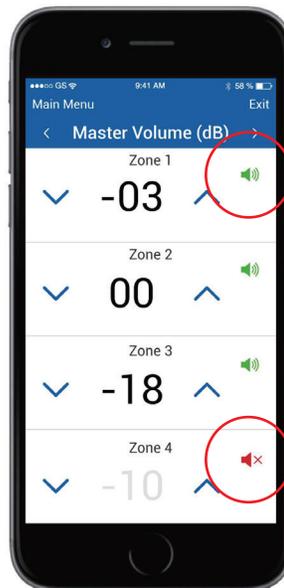
The settings page allows the user to mute or adjust levels and EQ in each zone. All four volume pages are the same.
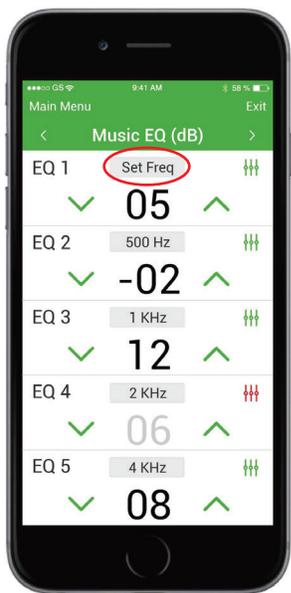
Tap the Set Freq button.

Enter a value and click save.
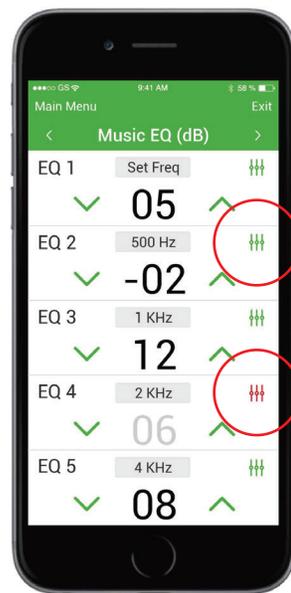
The fader icon allows the EQ to be bypassed in order to hear or measure the change.

Z Series Wireless Communication

Z2 or Z4 Base Unit

Z-SIGN

App

UHF
100' or more

Bluetooth BLE
Under 50'

Streaming Music
Only available when connected to Z base

Note:
The Z base unit can connect to:
1 x Bluetooth Music
1 x Bluetooth BLE (Z Series App)
10 x UHF Z Signs
At the same time.

Bluetooth Streaming Music

Bluetooth BLE (data) Z Series App

Under 50'

App

Office

Conference Rm

Zone 1
Lobby

Zone 2
Open Office area

The Z Series App can be used to activate Enhanced Speech Privacy through a Z-SIGN or by connecting directly to the Z2 or Z4 base. When inside a conference room with doors shut or a long distance from the Z2 or Z4 base, the Z-SIGN can be used to establish a longer distance connection.

A mobile phone can simultaneously stream Bluetooth Music to the Z2 or Z4 base unit and remotely control the base unit functions such as Enhance Speech Privacy, Music and Paging level and EQ when using the Z Series App.
Note: This can only be accomplished when connected directly to the Z2 or Z4 base unit.

The Z Series App can be used in another Zone to adjust levels or activate Enhanced Speech Privacy by scanning and connecting to the strongest signal strength.