Carina & 3rd Party Audio Integration: Quick Setup Guide

Purpose: This guide outlines the steps to integrate a 3rd Party Audio Source with your Carina PBX, enabling automatic Live Broadcasts or SIP calls upon an audio output from the audio source.

What You'll Need:

- Wahsega SIP Zone Controller (Model: WL-ZN-CTR-1CH-R)
- Carina PBX
- 3.5mm to Mono RCA Cable
- 3rd Party Audio Source

Hardware Connections:

1. Power: Connect the SIP Zone Controller to your network using an Ethernet cable with Power over Ethernet (PoE).
2. Audio Link: Connect the 3rd Party Audio source audio output to the SIP Zone Controller's Line In using the 3.5mm to Mono RCA cable.
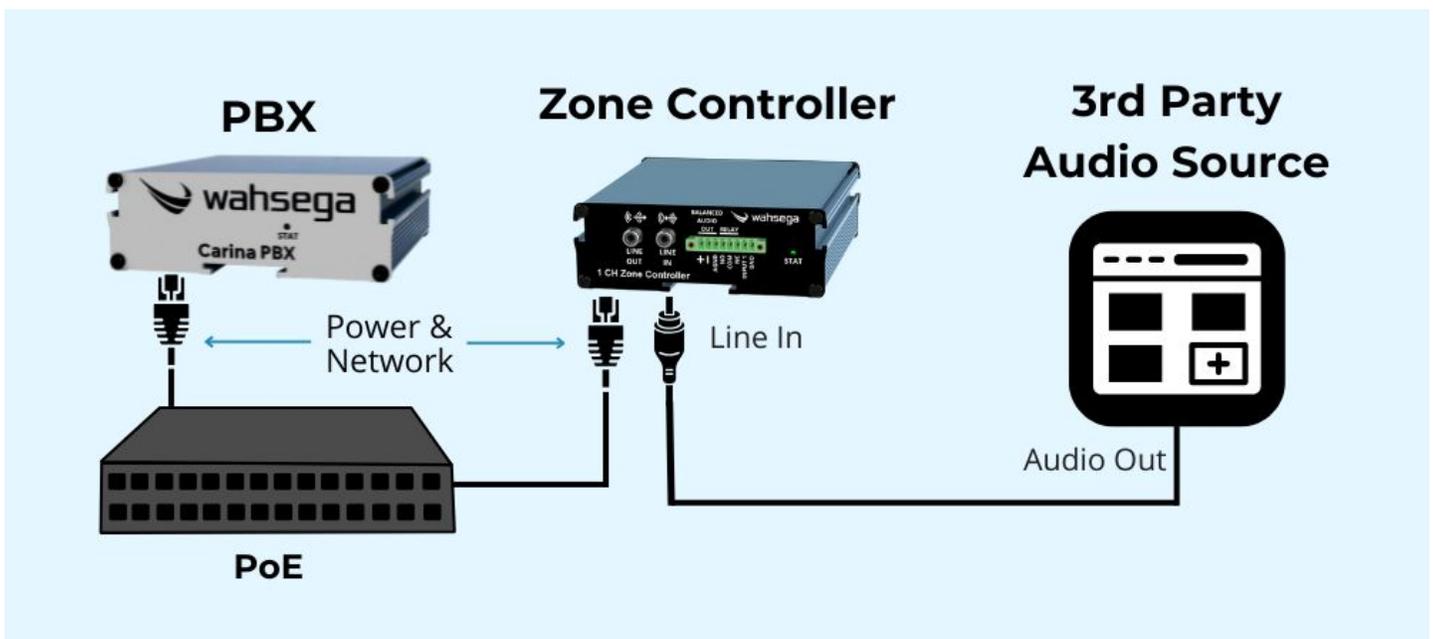
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PBX Configuration:

1. Log In: Access your Carina/Wahsega PBX administration interface.
2. Create SIP Extension:
   - Create an alphanumeric SIP extension specifically for the audio source (e.g., "SourceAudio"). Note: Alphanumeric extensions are not directly dialable.
   - (if necessary) Create a numerical SIP extension for an "All Call" broadcast. You'll use this in the Carina Event Manager.
3. Carina Event Manager (if necessary):
   - If you created an "All Call" numerical extension, assign it to a Live Broadcast within the Carina Event Manager, designating the desired broadcast area

Zone Controller Configuration:

1. Identify the IP of the Zone Controller or use the unicast address to configure the device.
   - Username/Password: admin / admin
   - Unicast Address [fe80::1a39:19ff:feXX:XXXX] where the Xs are the last 6 characters of the MAC address of the zone controller. (This option may not be possible on all networks.)
2. Configure the Zone Controller with the following settings (screenshot below):
   - Method: SIP
   - Display name: SourceAudio (or other desired extension)
   - Username/Number: SourceAudio (or other desired extension)
   - Domain: IP address of the PBX
   - Register with domain: Enabled
   - Password: SourceAudio (or other password)
   - URI to call: All Call extension
   - Call On Level: Enabled
3. Save and restart the Zone Controller. In the sidebar, ensure you see "Status: Registered" for the first account.

Your Carina system is now configured to trigger a Live Broadcast/SIP call when the 3rd party audio output is activated.

Zone Controller Configuration Screen

Troubleshooting Steps:

- **Network Connectivity:** Ensure both the SIP Zone Controller and PBX are on the same network and can communicate.
- **SIP Registration:** If the "Status: Registered" message doesn't appear, double-check the SIP credentials and network settings.
- **Firewall:** Ensure your network firewall is not blocking SIP traffic between the Zone Controller and the PBX.
- **PoE power:** Verify the ethernet switch that the zone controller is plugged into is working.

Examples of 3rd Party Audio Integrations:

Although Wahsega has not tested all 3rd party audio sources, below is a list of audio alert systems that this guide may work with:

- **911Cellular Panic Alarms**
- **Centegix CrisisAlert Intercom**
- **CrisisGo**
- **Avigilon**
- **Status Solutions**
- **iPhone / iPad:** Connect to the Zone Controller Line In and trigger with sound output.
- **Android Device:** Connect to the Zone Controller Line In and trigger with sound output.

Raptor Alert is integrated with Carina via API key. Please [see the following announcement to learn more about how Raptor Alert and Carina are integrated.](#)

Important Note: This integration guide is designed to be adaptable to various alert systems. Always refer to the specific documentation of your chosen third-party alert system for optimal configuration.