

Carina & 3rd Party Audio Integration: Quick Setup Guide

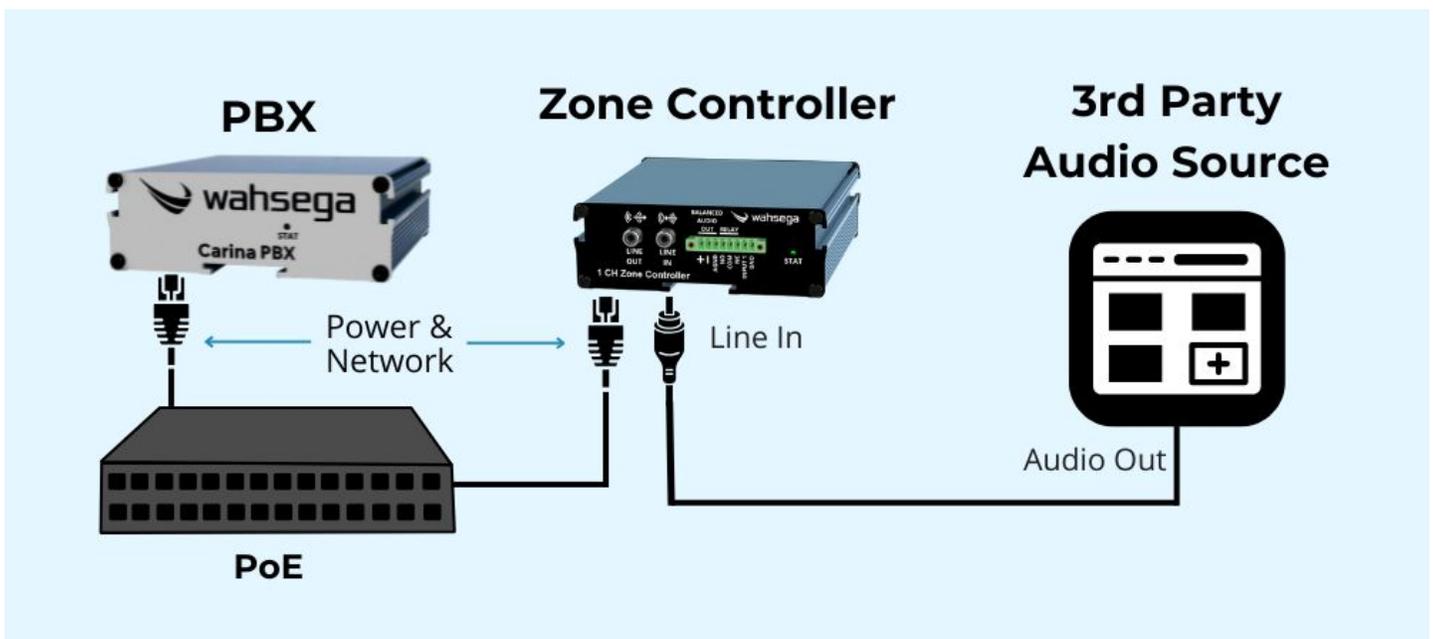
Purpose: This guide outlines the steps to integrate a 3rd Party Audio Source with your Carina PBX, enabling automatic Live Broadcasts or SIP calls upon an audio output from the audio source.

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.

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Zone Controller Configuration Screen

wahsega Inputs/Outputs Audio Network System Management Renew Logout

Showing Basic Settings Time until auto-logout: 07:14

Line 1

Direction Input
 Output

Input level/gain Automatic gain control
(Automatically adjusts the input gain to keep the signal strength "just right")
 Fixed gain

Method RTP Multicast (continuous streaming, multiple recipients)
 RTP Unicast (continuous streaming, one recipient)
 SIP (phone call)

Enable Relay ?

Mode VAD ?

Relay VAD Duration 1000 ?

Relay VAD Sensitivity 20 ?

SIP account

General

Display name SourceAudio ?

Username/Number SourceAudio ?

Domain 10.1.1.1 ?

Register with domain ?

Password ***** ?

Play tone when call connects ?

URI to call 3000 ?

Call On Level options

Enable ?

VAD duration 5000 ?

VAD sensitivity 0 ?

Rebroadcasting options

Rebroadcast as RTP Multicast ?

System Information:
User: SourceAudio@10.1.1.1
Status: Registered
(Unconfigured account)
User: (Unconfigured account)
Status: Registered in peer-to-peer (P2P) mode
System
IP: 10.1.1.107 (DHCP)
MAC Address: 18-39-19-00-64-CE
System time: 2011-10-01 00:54:23
Uptime: 7m 43s

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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.