The G2 Gateway Radio Interface (GaRI) provides an interface from the Phoenix G2 Communications Gateway and up to two voice radio channels, alerting firefighter units without dispatcher intervention.

It allows for playing paging tones, alert tones and dispatch voice announcements over radio channels. The GaRI is a network device that receives streaming audio and control instructions from the Communications Gateway and outputs analog audio and control signals to detect radio channel busy signals, generate radio push-to-talk signals, and play the audio over the radio system.

### Integrated Network Switch

The integrated network switch that allows it to be connected directly to two Gateway servers in a hot-standby configuration or to other network devices, as necessary. In special applications, the GaRI can be connected to a customer data network to allow it to be distantly located from the Gateway servers.

### Audio Output Channels

Each audio output channel has an analog audio output, a hardware channel busy input and a push-to-talk output. The Audio Output Channel 1 also has an adjustable sidetone output, which mimics the main output.

A system-selectable passthrough input can also be coupled to Output Channel 1 to provide switching between a customer-provided input source and the internal Channel 1 output for redundancy purposes. To ensure a failsafe operation, the passthrough input is coupled to Output Channel 1 when the TCP/IP connection to the GaRI is lost or when the GaRI is powered off.

### Auxiliary Inputs and Outputs

The GaRI has two normally-open auxiliary relay outputs and two auxiliary digital inputs that can be used internal by the system. The inputs are low-active with a provided ground reference.

### Indicators

The front panel has indicators showing activity on the two Audio Output Channels and the Auxiliary I/O. There is also a passthrough indicator that shows when the pass-through circuit is active.