

# REPEATER MODULE

## CONTROL GEOGRAPHICALLY DISPERSED RADIO REPEATERS



### SOFTWARE-ONLY AND HARDWARE/SOFTWARE SOLUTIONS

The CentrAlert Repeater Module is designed to control geographically dispersed radio repeaters, both digital and analog in nature.

Specifically, the Repeater Module uses data commands or CentrAlert hardware connected to a repeater to make this repeater either "ACTIVE" (i.e. powered and broadcasting radio signals and data) or "INACTIVE" (i.e. non-powered or disabled and not broadcasting radio signals and data).

The Repeater Module transmits switching commands from the CentrAlert C-DAC controller. The C-DAC controller provides status to the user with graphical icons on the screen, and allows automatic and manual switching of the 'ACTIVE' repeater.

The Repeater Module can communicate with CentrAlert-supplied equipment or with any third-party repeater.

#### Operational Features

- Designates repeaters in the field as "Active" or "Inactive"
- Configurable for either manual or automatic failover to backup communications
- Redundant communication capabilities so that repeaters may be switched in case of failure, maintenance, etc
- Graphical feedback on status changes
- Compatible with multiple communication designs
- Compatible with third-party radios, siren systems or public address systems
- Configurable with distinct addresses so that the C-DAC Guardian Interface can keep track and indicate what repeater is currently active
- Ability to pair with CentrAlert External Component Presence to provide trouble reporting to maintenance team

#### Multiple Protocols

- DTMF
- FSK

#### Programming

- Hardware programming requires HyperTerminal