

**Product Guide****A 4565A** Alert Evacuation Controller

# A 4565A Alert Evacuation Controller



## Overview

This Evacuation controller is easy to operate and is designed around industry standard building emergency alert/evacuate requirements. When connected to a paging system amplifier, building occupants can be alerted and/or evacuated in the event of an emergency e.g.: fire, gas leak, bomb scare, earthquake. Auto or manual modes are selected by the front panel key switch which uses an industry standard 003 key. Alert & evac switches are fitted with safety covers to prevent accidental operation. Also inbuilt, is a Bell function tone for signalling lunch breaks, start of class etc.

The Alert, Evacuation, Bell, Fire Test and Fire tones and Emergency Messages are all MP3 based and stored on a Micro SD card which is accessible from the rear of the unit. The Alert, Evacuation and bell tones and cancel function are triggered by the front switches when in manual mode or by the rear terminal contacts when in Auto mode for remote activation i.e. a clock, remote switch or remote wall plate. These functions can also be activated by optional wall plates and paging consoles. The Fire tone is activated from the rear Fire trigger or from the A 4597 remote plate. The Fire Test tone is activated by the A 4597 remote plate only.

Provision has been made for a BGM (background music) source to be played through the controller. BGM is automatically muted when any other function is operated. A mic input is provided on the front panel and paging is also available through the A 4564 paging console. These can be used for either general or emergency paging and overrides all other functions. A pre-announcement chime is available on the microphone input. This can be switched on or off via external dip switches. Switched 24V Out connections are provided for all emergency and paging conditions. These contacts are for connection of override relays in remote volume controls, warning strobes, bells etc.

## About Redback® Public Address Products

**Redback® products are proudly designed, engineered and manufactured in Australia.**

Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 40 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

## Key Features

- ✓ **Australian made**
- ✓ **10 year manufacturer warranty with local product support**
- ✓ Interfaces with fire indicator boards
- ✓ Remote operation of alert and evac tones
- ✓ 24V DC operation
- ✓ SD card MP3 tone/message playback
- ✓ Auto/manual/isolate 003 key switch
- ✓ Provision for voice-over message
- ✓ Mic socket for PA use
- ✓ BGM and line input
- ✓ Bell chime
- ✓ Switched 24V output for operating override relay on volume controls
- ✓ Separate relays for alert and evac signals for external strobe light operation
- ✓ Timer for remote alert activation adjustable from 30s to 7.5 min in 30s increments
- ✓ Line level output
- ✓ Tones conform to Australian standard.

## A 4564 Paging Console With Alert/Evac/Chime Control

The paging consoles provide the same functionality as the buttons on the front of the main unit. If a tone is triggered by the main unit or a wall plate the corresponding LED on the paging console will illuminate. A paging microphone allows the user to speak over the tone being played. Connection is made via Cat5e cable with a maximum range of 300m.

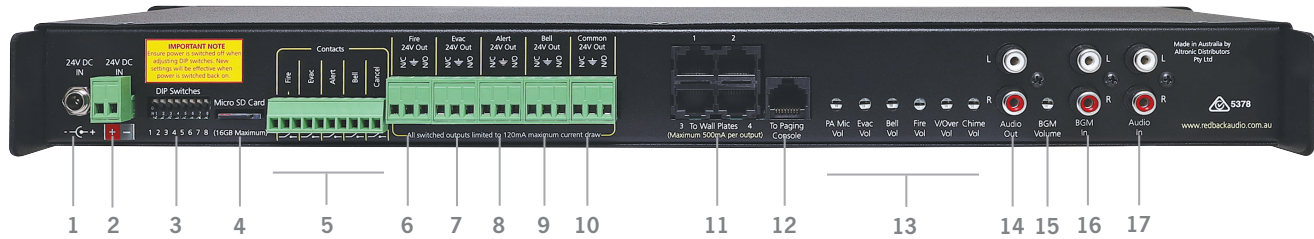


## Product Guide

### A 4565A Alert Evacuation Controller



#### Rear Panel



1	24V DC Input (2.1mm jack)	7	Evac 24V Output	13	Condition Level Controls
2	24V DC Input (Screw terminal)	8	Alert 24V Output	14	Audio Output (RCA)
3	DIP Switch Selectors	9	Bell 24V Output	15	BGM Level Control
4	SD Card (16GB Max)	10	Common 24V Output	16	BGM Input (RCA)
5	Condition Contacts	11	Wall Plate Connections (RJ45)	17	Audio Input (RCA)
6	Fire 24V Output	12	Paging Console Connection (RJ45)		

#### Specifications

##### Electrical

Output level:	0dBm
Frequency response:	140Hz - 20kHz
Mic input sensitivity:	2mV balanced
Line input sensitivity:	300mV unbalanced
Power supply:	24V DC
Protection:	2A fuse

##### Inputs & Outputs

Audio output:	RCA stereo socket
Switched 24V DC out:	Screw terminals
Mic input:	5 pin XLR
Line inputs:	RCA stereo socket
Remote contacts:	Screw terminals

##### Mechanical

Dimensions:	≈483W x 125D x 44H
Weight:	≈1.6 kg

##### System Accessories

A 4564	Paging Console
C 0334	CB Style Microphone
A 4597	Fire Alarm Test Wall Plate
A 4578	RJ45 Alert/Evac Remote Wall Plate
A 4581	RJ45 Alert/Evac/Chime Remote Wall Plate
A 2078B	Alert/Evac Remote Wall Plate (7 core cable)
A 2081	Alert/Evac/Chime Remote Wall Plate (9 core cable)

#### Modes Of Operation

**Auto:** The alert tone is generated when a signal is received from the fire indicator board (FIB) or break glass detector. After a preset time the evac tone is sounded unless the alert tone is manually reset. The evac tone continues until manually reset. When selected to auto, front panel alert and evac controls are inoperative. Controls such as paging, bell chime and BGM work normally.

**Manual:** In the manual position any of the functions may be initiated from the controls on the front panel, i.e. Alert, Evac, or PA.

**Remote cancel function:** Terminals are provided for the connection of a remote cancel switch. When activated with a closing set of contacts this will cancel any activated tone, when the master key switch on the front panel is in auto position only. This is useful when the controller may not be readily accessible.

**Other functions:** Provision has been made for a BGM source to be played through the controller. BGM is automatically muted when any other function is operated. A mic input is provided on the front panel. This can be used for either general or emergency paging. Paging overrides all other functions. A pre-announcement chime is available on the mic input. This can be switched on or off via rear DIP switches. Also inbuilt, is a bell tone for signalling lunch breaks, start of class etc. This can be operated from the front panel or via rear contacts for remote activation ie. clock or remote switch.

#### Architect Specifications

The control panel shall generate emergency alert and evacuation tones (Conforming to Australian Standard AS1670.4) and bell chime tones played via SD memory card. It shall be able to be operated manually from the control panel, automatically by input from a fire indicator board or via remote switches. A front panel mount key switch will select the system to either Isolate, Auto or Manual operations. When triggered, both alert and evacuation operations shall also switch 24V DC relays to connect power to external strobe lamps. The unit shall have 2 sets of rear panel mounted unbalanced dual RCA sockets for input of background music and auxiliary source. Background music shall be muted when any other function is operating. A front panel mounted 5 pin XLR balanced socket shall provide microphone input. Rear mounted pluggable terminals shall provide for remote triggering of the chime, alert and evac tones by closing contacts. 24V DC relay outputs are provided for switching power to alert and evacuation strobe lamps, switched 24V DC output for remote volume override relay control and input of 24V DC from a backup battery. The rear panel shall have separate volume controls for individual tones, background music and microphone. The unit shall have a recordable voice over message chip. The unit shall be remote triggerable by remote wallplate which shall connect via RJ45 UTP cabling. Audio output shall be by dual line level RCA sockets. The unit shall operate from 24V DC and shall be fuse protected. The control panel shall be housed in a 1RU metal rack chassis. The control panel shall be a REDBACK model A 4565A.

Made in Australia by Altronic Distributors Pty. Ltd.

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