

Product Guide**A 4565** Alert Evacuation Controller

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Overview

This easy to operate controller 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 eg: fire, gas leak, bomb scare, earthquake. Auto or manual modes are selected by the front panel key switch (see below), which uses an industry standard 003 key. Alert & evac switches are fitted with safety covers to prevent accidental operation.

We have upgraded this model from its predecessor, the A 4575B. This new version incorporates several important new features:

Tones: All tones, including voice over messages are now stored on SD card. This allows for custom recording of all tones for each function. The card is supplied loaded with standard alert, evac and several bell chime tones. If the SD card fails or is removed, standard alert and evac tones will still be active via the on board microprocessor.

Volume adjustments: There are now rear mounted volume controls for PA mic, evac, bell, fire, voice over, pre announcement chime and BGM allowing greater overall audio adjustment. Volume controls are also provided on the front for the auxiliary and front panel mic inputs.

A 4564 remote paging facility: Provision is included via Cat5 cabling for the A 4564 desk paging console. Alert, evac and chime functions can also be initiated from this console.

Fire test: With the addition of the A 4597 remote wallplate, the system can initiate a message to building occupants that the fire system is being tested. The fire alarm switch on this wallplate is in case of fire and will immediately put the system into evac mode. This wallplate connects via Cat5 cable back to the main unit.

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 A 4595. 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.

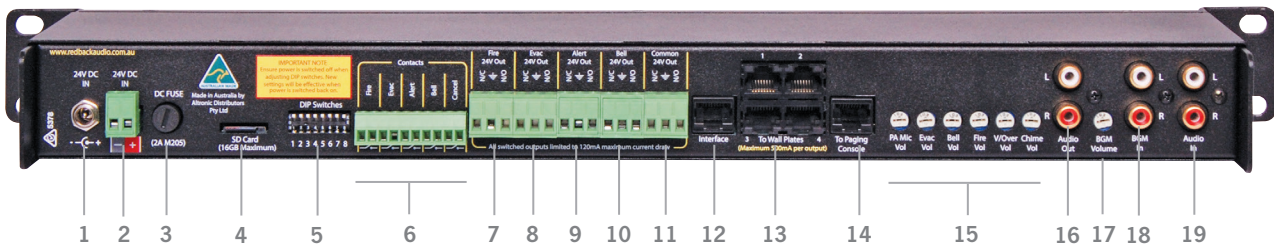


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Rear Panel



1	24V DC Input (2.1mm jack)	8	Evac 24V Output	15	Condition Level Controls
2	24V DC Input (Screw terminal)	9	Alert 24V Output	16	Audio Output (RCA)
3	2A DC Protection Fuse	10	Bell 24V Output	17	BGM Level Control
4	SD Card (16GB Max)	11	Common 24V Output	18	BGM Input (RCA)
5	DIP Switch Selectors	12	Interface Port (RJ45)	19	Audio Input (RCA)
6	Condition Contacts	13	Wall Plate Connections (RJ45)		
7	Fire 24V Output	14	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:	240V AC or 24V DC
Protection:	1A 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 152D x 44H
Weight:	≈2.5 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 A 4578 or A 4581 wallplate which shall connect via RJ45 UTP cabling. Audio output shall be by dual line level RCA sockets. The unit shall operate from 240V AC and 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 4565.