

**Product Guide****A 4500B** 50 Event, 24 Hour 7 Day Timer With Evac Tone Generator**A 4500B** 50 Event, 24 Hour 7 Day Timer & Evac Tone Generator**Overview**

The A 4500B is a weekly timer and Evacuation controller all housed in a convenient 1RU rack mount chassis. A total of 50 “event” switching times are available through the timing functions. Each event can be set to turn on any single day of the week or on multiple days, from 1 sec up to 24 hours. When a timing event is activated, an MP3 audio file will be played and output through the dual RCA line level output. There are fourteen MP3 playback options for the timing events, which include the Bell, Prebell, Music and folders 5-15. A micro SD card which is supplied, houses all the MP3 files to be played as well as storing all the timing events (Note: MP3 files should have the following specifications for optimum performance. 128kbps, 44.1kHz, 32bit, VBR or CBR, stereo or mono).

The timing events can be programmed via the unit’s front buttons, or they can be programmed with the supplied PC software (also available as a download from [www.redbackaudio.com.au](http://www.redbackaudio.com.au)). The timing events can also be programmed to only trigger the Bell 24V out (and in turn the common 24V Out), with no audio output. This is activated by setting the output to the “relay” option in the programming setup.

The Evacuation 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 e.g. fire, gas leak, bomb scare, earthquake. Alert & Evac switches on the front of the unit are fitted with safety covers to prevent accidental operation. Provision for connection to A 4564 paging console for emergency paging only and remote activation of alert/evac and chime functions.

The Alert, Evacuation and Bell tones and the cancel function are triggered by the front switches, or by the rear terminal contacts for remote activation. Switched 24V DC Out connections are provided for Bell, Alert, Evac or a Common out. These contacts are for connection of override relays in remote volume controls, warning strobes, bells etc. The alert and evacuation tones are stored on the micro SD card (Emergency Tones which conform to AS1670.4 are supplied) to allow the user to provide any tones they require (Note: The audio files must be in MP3 format).

The Evacuation mode has a voice over option for the playback of an evacuation message every third cycle of the evac tone. The voice over message is also stored on the micro SD card and is DIP switch enabled.

**Key Features**

- ✓ **Australian made**
- ✓ **10 year manufacturer warranty with local product support**
- ✓ MP3 audio format for Bell, Prebell and Music timing outputs
- ✓ MP3 audio format Emergency Tones conform to AS 1670.4 (supplied)
- ✓ Random play of MP3 files for Prebell and Music triggers
- ✓ Easy PC based timing event setup
- ✓ Local push button operation of Alert, Evac and Bell
- ✓ Remote triggering of Alert, Evac and Bell
- ✓ Adjustable auto alert to evac switch over times (DIP switches 5-8)
- ✓ MP3 audio format Voice over message (In Evacuation cycle)
- ✓ Switched 24VDC output for Bell, Alert or Evac mode
- ✓ Pluggable screw terminal connections
- ✓ Auxiliary level output
- ✓ Battery backup of current time
- ✓ 24V DC operation
- ✓ Standard 1U 19” rack mount case
- ✓ Suitable for any amplifier with an auxiliary input
- ✓ Includes Power Supply

**About Redback® Public Address Products**

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

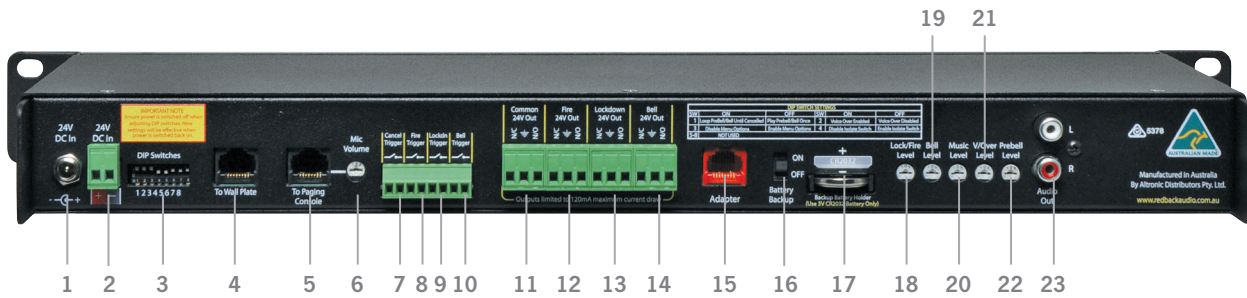
Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 40 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

## Product Guide

### A 4500B 50 Event 4 Output Timer & Evac Tone Generator



#### Rear Panel



1	24V DC Input (2.1mm jack)	9	Alert Contacts	17	Backup Battery
2	24V DC Input (Back Up)	10	Bell Contacts	18	Alert/Evac Volume
3	DIP Switches	11	Common 24V Out	19	Bell Volume
4	RJ45 Interface	12	Evac 24V Out	20	Music Volume
5	RJ45 Interface	13	Alert 24V Out	21	Voice - over Volume
6	Mic Volume	14	Bell 24V Out	22	PreBell Volume
7	Cancel Contacts	15	RJ45 Adapter	23	Audio Out RCA Connectors
8	Evac Contacts	16	Backup Battery Switch		

#### Specifications

##### Electrical

Output Level:	0dBm
Distortion:	0.01%
Freq. Response:	140Hz - 20kHz
Signal to Noise Ratio:	-70dB typically
Muting:	Via Microphone Switch Contact
MP3 File Format:	128kbps, 44.1kHz, 32bit, VBR or CBR, Stereo (even better as mono).
Data Transmission:	Cat5e cabling max 300m
Power supply:	24V DC
Backup Battery:	3V CR2032

##### Controls

Alert/Evac:	Rear Volume
Voice over:	Rear Volume
Bell:	Rear Volume
Prebell:	Rear Volume
Music:	Rear Volume
Power:	On/Off Switch
Alert Switch:	Illuminated Push Button
Evac Switch:	Illuminated Push Button
Bell Switch:	Illuminated Push Button
Cancel Switch:	Push Button
Indicators:	Power, MP3 error, Prebell, Music, Other MP3 folders

##### Connectors

Audio Output:	RCA Stereo Socket
Common 24V DC Out:	Screw Terminals
Alert 24V DC Out :	Screw Terminals
Evac 24V DC Out:	Screw Terminals
Bell 24V DC Out:	Screw Terminals
24V DC Power:	Screw Terminals, 2.1mm DC jack socket
Input Triggers:	Screw Terminals (For Remote Alert, Evac, Bell, Cancel)
Wallplate/paging console inputs:	RJ45 8P8C

##### Mechanical

Dimensions:	≈482W x 175D x 44H
Weight:	≈2.1 kg
Colour:	Black