

Product Guide**A 4510A** Single Output Yearly School Timer

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Overview

Program the whole school year ahead of time. Easy to use software allows the installer or end user to program in school term dates, student free days, public holidays, day light savings for the entire year. Can be configured for either weekly or fortnightly time tables and interfaces with the school PA system.

The A 4510A is an incredibly versatile, and easily programmed yearly timer housed in a convenient 2RU rack or desk mount chassis. The unit can be programmed for limitless* timing events for each day of the year. The timing events are programmed with Windows based software via a user friendly calendar layout.

When a timing event is activated, an MP3 audio file will be played and output through the dual RCA line level output. There are three MP3 playback options for the timing events, which include the Bell, Prebell and a Music option. A micro SD card slot on the front panel (card supplied) houses all the MP3 files to be played as well as storing all the timing events. Note: The audio files must be in MP3 format. The Prebell and Music outputs can be setup for random play of MP3 files, making the unit ideal for "Call to Class" playback of music which changes each time these outputs are activated.

The events when activated also trigger the 24V outputs available on the rear of the unit. Separate 24V DC outputs are available for each of the Prebell, Bell and Music outputs, as well as a common 24V DC output which is activated for all output conditions.

The timing events can also be programmed to 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 unit features "Daylight Savings" mode which when activated automatically adjusts the clock time by one hour at the user programmed dates.

The internal clock has a battery backup (CR2032 supplied) in case of power failure. Note: This will only backup the time, it will not power the unit in the event of a power failure.

Key Features

- ✓ Australian made
- ✓ 10 year manufacturer warranty with local product support
- ✓ MP3 audio format for Bell, Prebell and Music timing outputs
- ✓ Random play of MP3 files for Prebell and Music activations
- ✓ Easy Windows based software timing event setup
- ✓ Automatic daylight savings adjustment
- ✓ Local push button operation of Bell
- ✓ Switched 24VDC output for Bell, Prebell and Music activations
- ✓ Pluggable screw terminal connections
- ✓ Auxiliary level output
- ✓ Battery backup of current time
- ✓ 24V DC operation
- ✓ Standard 2U 19 inch rack mount case
- ✓ Suitable for any amplifier with an auxiliary input

About Redback® Public Address Products

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

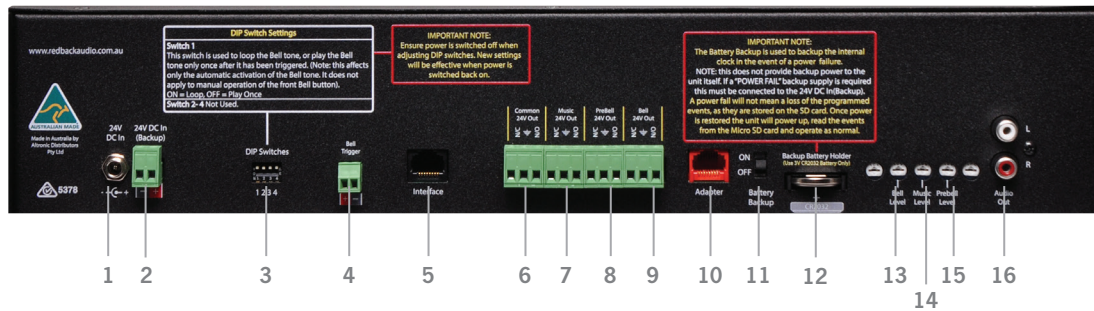
Each unit is covered by a comprehensive 10 year parts and labour warranty. Redback® offers rock solid reliability from over 40 years experience in the commercial sound industry. Redback® offer locally available servicing and parts, plus the ability to offer feedback direct to the manufacturer.

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Rear Panel



1	24V DC Input (2.1mm jack)	7	Music 24V Output	13	Bell Level
2	24V DC Input (Screw terminal)	8	Pre Bell 24V Output	14	Music Level
3	DIP Switch Selectors	9	Bell 24V Output	15	Pre Bell Level
4	Bell Trigger	10	Peripheral Port (for future use)	16	Audio Output RCA (Stereo)
5	Interface Port (for future use)	11	Battery Backup On/Off		
6	Common 24V Output	12	CR2032 Clock battery backup		

Specifications

Electrical

Output level:	0dBm
Distortion:	0.01%
Frequency response:	140Hz – 20kHz

Output 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

NOTE: 24V DC Output loads limited 0.12A each

Input Connectors:

24V DC power:	Screw terminals
24V DC power:	2.1mm DC jack
Card:	Micro SD card (Front panel slot)

Controls:

Bell:	Rear volume
Prebell:	Rear volume
Music:	Rear volume
Power:	On/Off switch
Bell switch:	Push switch
Isolate switch:	Push switch
Indicators:	Power on, MP3 error
Power supply:	24V DC @ 1A

Mechanical

Dimensions:	482W x 180D x 88H
Weight:	2.8kg

Architect Specifications

The timer shall be housed in a 19" two rack unit case and shall have switched outputs at 24V and four closing contacts which activate simultaneously. The unit shall have limitless timing events for each day. The unit shall be programmable with Windows software. The unit shall play an MP3 audio file from an SD card when a timing event occurs through stereo RCA line output. The unit shall include the facility for bell, pre-bell and general music options. The unit shall have battery backup capability to prevent memory loss during power failure. The unit shall be a REDBACK A 4510A.