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Addressable Alert Tone Generator Module

This tiny module 9cm * 7cm enables you to produce any of the Bestlite alert sounds and levels into a speaker at any location and operates from the standard Bestlite RS485 buss.

Specifications:

Operating Voltage: 9-12 Volt DC 200ma
Speaker impedance: 8 or 16 ohm
Level control: Yes
Addressable: Yes via the rotary DIP switch 0-16
Communication: RS485
Protocol: Bestlite standard buss
Alert Tones: 19
Order Code: Sound Gen 2

Supplied with the module is a 9 volt DC plug pack. You will need to cut off the DC jack and wire directly into the module.

Protocol Format: Address Level Sound Un-Address

Select Address Command <0xB0>[Address]
This command is used to address a Sound Generator or Bestlite display. Multiple addresses can be opened by using several of these commands. Addressed units will then respond to commands until they receive a <0xB1> (un-address) command. The address field is a **numeric two digit** ASCII string, matching the address setting of the display or Sound Generator. If a unit is set to an address of "0" it will respond to ANY address command.

Changing Night Volume <0xB5>[level]
To change the night volume level, send this command followed by a single ASCII digit.   The available volumes are:

0.   full volume
1.   -6dB
2.   -12dB
3.   -18dB (default night level)
4.   -24dB
5.   Silence

Creating Sound Command <0xB4>[sound]
To create a sound, send this command followed by a single ASCII char.   The available sounds are:

Sound	Full volume	Night volume
Silence	0	n/a
2 beeps	1	A
8 fast beeps	2	B
8 beeps	3	C
Repeated beeping	4	D
Ding Dong	5	E
Ding repeated 2.8sec	6	F
Ding Dong, repeated 4.2sec	7	G
Dong Dong	8	H
Ding Ding Ding	9	I
Repeating 2 tone siren (V2.1)	J	M
2 beeps repeated 10sec (V2.1)	K	N
1 long beep repeated 30sec (V2.1)	L	O
1 ding every second (V2.6)	P	S
ding ding every 5sec (V2.6)	Q	T
1 ding every 10sec (V2.6)	R	U
2 beeps repeated 3.4sec (V2.7)	V	a
3 beeps repeated 1sec (V2.7)	W	b
DingDongDong repeat 30sec (V2.7)	X	c

Un-address command <0xB1>
This command is used to un-address displays or Sound Generators. It is global and will un-address every unit on the system.

EXAMPLE:

Address	Level	Sound	Un-Address	
<0xB0> 01	0x<B5> 2	0x<B4> B	0x<B0>	(0x< > denotes HEX codes)

The above example addresses unit 1, Sets the level at -12db, for the night sound 8 fast beeps.

NOTES: Always use 2 digits for the Address.
                The Level control only works on Night Sounds.