

Banshee Excel[™] Sounder Range



Fire Alarms

Electronic Sounders

EN 54-3

Banshee

BS 5839-1

Evacuation

FlashDome

Audible Alarm

Beacons

Banshee Excel[™]

The Banshee Excel[™] range of sounders, beacons, sounder beacons and accessories represents the most modern, acoustically advanced and by far the most versatile range of conventional electronic sounders, combined units and dedicated beacons available on the market today.

All sounders and sounder beacons (apart from the Banshee Excel[™] BD Bedroom Sounder) come with 32 user-selectable tones incorporating low frequencies, high frequencies, European, American and Australian norms and all industry-standard frequency patterns. Tested and approved to EN 54 Part 3, the Banshee Excel[™] range boasts leading acoustics, aesthetically pleasing designs and low power consumption.



The Banshee Excel[™] BS Base Sounder is the slimest platform sounder on the market and is renowned for its 360° sound dispersal. The Banshee Excel Lite[™] sounder beacon units offer all the functionality of the Banshee Excel[™] sounders, together with either Xenon or LED beacon technology and several different coloured lenses to enhance the evacuation signal. The Banshee Excel[™] FlashDome stand-alone beacon features ultra-efficient LEDs and is ideal for use in fire alarm systems which need to be upgraded or designed for conformity to DDA requirements. Together, the Banshee Excel[™] products are unmatched for diversity and ease of installation.

The Banshee Excel[™] range is complemented by a wide selection of accessories to suit all applications.

Banshee Excel[™] CH Sounder

Banshee Excel[™] is manufactured in flame retardant ABS and is available in three colours, making it suitable for a wide range of alarm and signalling applications.

The Banshee Excel[™] sounder is fitted with a professional capsule driven horn. All models use the push and twist bayonet fitting Banshee^{MT} base.



- 32 user-selectable tones industry standard compatible
- Very low current consumption
- EN 54-3 tested and fully approved in accordance with CPR
- VdS approved
- Uses same bases as Banshee^{MT} simple push and twist bayonet mounting with locking screw
- Available in three colours red, white or grey
- Easy to install with side and rear cable entry
- Robust 'two in two out' 2.5 mm² terminals
- Three selectable volume levels
- Rated to IP66 or IP45
- Extensive family of accessories for a wide range of applications
- Recyclable



Banshee Excel[™] BS Base Sounder

The slimmest sounder in its class, the Banshee Excel[™] BS supplies true omni-directional sound output and is fully compatible with the other sounders in the range.



- 32 tones designed to be compatible with other Banshee Excel[™] sounders
- EN 54-3 tested and fully approved in accordance with CPR
- Slimmest profile in the industry
- Low current consumption
- Available in white or ivory to match to detectors
- Omni-directional sound (see Polar Plot page 5)
- Front plate for stand-alone use available
- Three selectable volume levels
- Installer friendly terminals
- Ceiling or wall mounting



 Robust and easily connected 'two in two out' 2.5 mm² terminals



Banshee Excel Lite[™] CHX & CHL Sounder Beacons

The Banshee Excel Lite[™] combines the aesthetics and performance of the Excel Sounder with either a very bright and efficient Xenon Beacon (CHX model) or a low-current LED Beacon (CHL model).

Manufactured in flame retardant polymer, the units are available in a choice of base colours and up to 5 different lens colours, making it suitable for a range of fire and security dual notification applications as well as DDA-compliant installations. All models use the push and twist bayonet fitting BansheeMT base.

- Available with either Xenon or LED Beacon with a red or white body
- Choice of lens colours (CHX: Red, Clear, Amber, Blue, Green / CHL: Red, Clear)
- Sounder has 32 user-selectable tones industry standard compatible
- Very low current consumption
- EN 54-3 tested and fully approved in accordance with CPR
- VdS approved
- Easy to install with side and rear cable entry
- Robust 'two in two out' 2.5 mm² terminals
- Choice of three volume levels
- Rated to IP66 or IP45
- Uses same bases as Banshee^{MT} simple push and twist bayonet mounting with locking screw
- Extensive family of accessories for a wide range of applications
- Recyclable

Banshee Excel[™] FlashDome LED Beacon

The Banshee Excel[™] FlashDome features ultra-efficient LEDs and is ideal for use in fire alarm systems which need to be upgraded or designed for conformity to DDA requirements.



The FlashDome is 100% compatible with the rest of the Excel Sounder and Sounder Beacon range and utilises the same shallow and deep bases and broad range of accessories.

- Ultra-efficient LEDs
- Very low current consumption
- Sleek, low-profile design
- Compatible with other Excel Sounders and Sounder Beacons and accessories
- Uses same bases as Banshee^{MT} simple push and twist bayonet mounting with locking screw







Banshee Excel[™] BD Bedroom Sounder

A low cost alternative for fire applications in hotels and residential environments.

- Low current 7mA
- Available in white or red
- Fits standard 25 mm back box



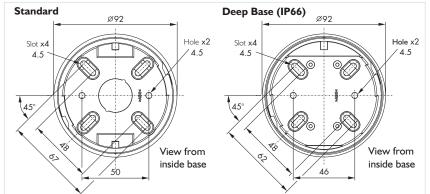
Specification

Model	Banshee Excel™ CH	Banshee Excel Lite™ CHX & CHL	Banshee Excel™ BS	Banshee Excel™ FlashDome	Banshee Excel™ BD
Description:	Sounder	Sounder Beacon	Base Sounder	Beacon	Bedroom Sounder
Operating Voltage (Vdc):	9-30	9-30	9-30	10-28	24
Operating Voltage EN54-3 (Vdc):	24 (20 -28)	24 (20 -28)	24 (20 -28)	-	
Tone Current Consumption (mA):	See Sound Output Table*	See Sound Output Table*	See Sound Output Table*	-	7 (Typical)
Flash Current Consumption (mA): [#] - @24 Vdc - @12 Vdc	-	40 (CHX), 16 (CHL) 90 (CHX), 12 (CHL)	-	5 5	-
Sound Output (dBA Typ @1m):	See Sound Output Table*	See Sound Output Table*	See Sound Output Table*	-	90
Tones Available:	See Sound Output Table*	See Sound Output Table*	See Sound Output Table*	-	Fast Sweep: 750-850 Hz swept at 9 Hz Continuous: 815 Hz
Body Colours:	Red, White or Grey	Red or White	White or Ivory	Red	Red or White
Body Material:	Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS	Flame Retardant ABS
Lens Colour (Polycarbonate):	-	CHX: Red, Clear, Amber, Blue, Green CHL: Red, Clear	-	Red	-
Temperature Range (Deg C):	-40 to +70	-15 to +40 (CHX) -20 to +70 (CHL)	-40 to +70	-20 to +70	TBC
Environment Category / IP Rating:	Type A/IP45 Std Base Type B/IP66 Deep Base	Type A/IP45 Std Base Type B/IP66 Deep Base	Internal use only	Type A/IP45 Std Base Type B/IP66 Deep Base	Internal use only
Volume Control:	High, Medium (-10 dBA), Low (-20 dBA)	High, Medium (-10 dBA), Low (-20 dBA)	High, Medium (-6 dBA), Low (-12 dBA)	-	-
Light Output Rating (Cd):	-	TBC	-	I	-
Flash Rate (Per Second):	-	I	-	I	-
Termination:		Screw terminal	s for 0.28 mm ² to 2.5 mm ² wi	re conductor	

* See Sound Output Table on back page of this document *Flash current consumption is additional to sounder current, where applicable (CHX, CHL) All units that use the common base meet minimum requirements of IP21C Shallow Base and IP33C Deep Base in accordance with EN54-3

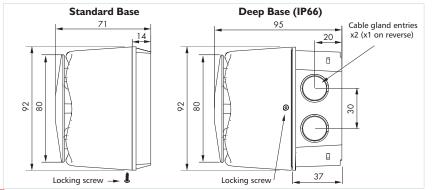
Installation

Banshee Excel[™] Common Base



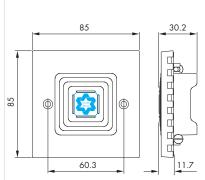
Used with Banshee Excel[™] CH, Banshee Excel Lite[™] CHX & CHL and Banshee Excel[™] FlashDome

Banshee Excel[™] CH Sounder



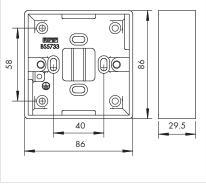
Banshee Excel[™] BD Bedroom Sounder

Flush Mounted



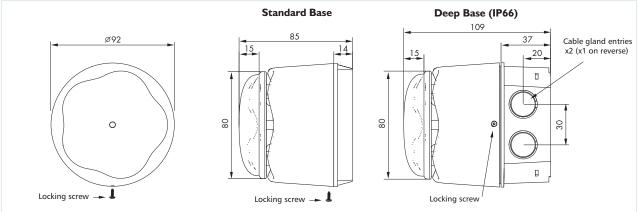
Back Box

Supplied with Surface Mount Version

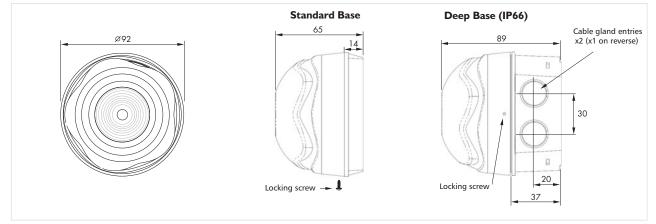


Installation

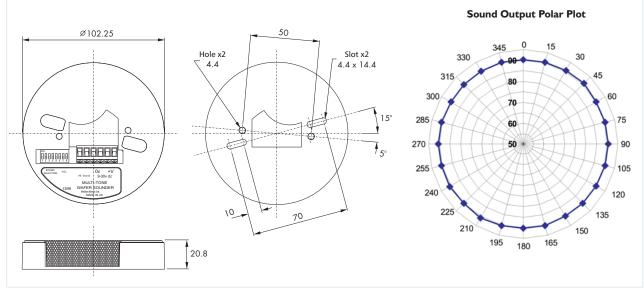
Banshee Excel Lite[™] CHX & CHL Sounder Beacon



Banshee Excel[™] FlashDome Beacon



Banshee Excel[™] BS Base Sounder



Dimensions (mm)

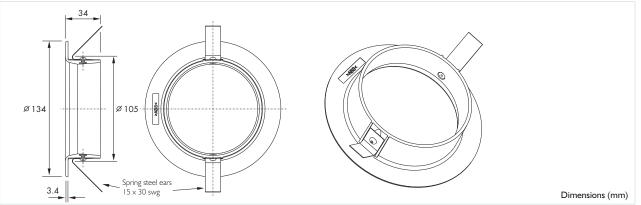
Accessories

Accessory
•

Description	Part No.						Excel [™] :
		ਨ	, প্	*0	Lite	UNT VITE	CHI FlashDorne
Flush Mounting Ring	8502900					•	•
Combination Bracket	8503000	•			-	-	•
Mains Pack I 10/230 Vac to 24 Vdc	8502700	•			-	-	•
Wall Fixing Clip	8503100	-				•	•
Base Sounder Cable Spacing Ring	8502800		•				
Steel Web Stopper: Low Profile Cage (Supplied with full fixing kit)	S-9617	1			•	•	•
Steel Web Stopper: Base Sounder - Surface Wiring Cage (Supplied with full fixing kit)	S-9605	1	•	•	-	•	•
Steel Web Stopper: Base Sounder - Flush Wiring Cage (Supplied with full fixing kit)	S-9604	1	•	•	-	•	•

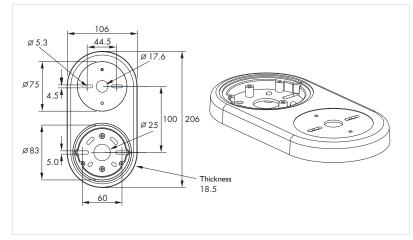
Accessories Installation

Flush Mounting Ring

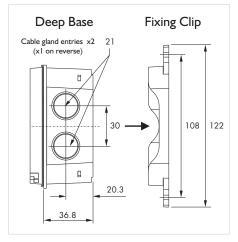


Accessories Installation

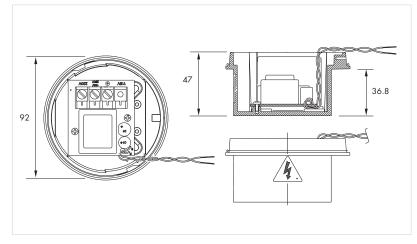
Combination Bracket



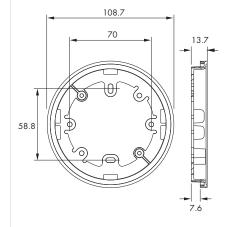
Wall Fixing Clip & Deep Base



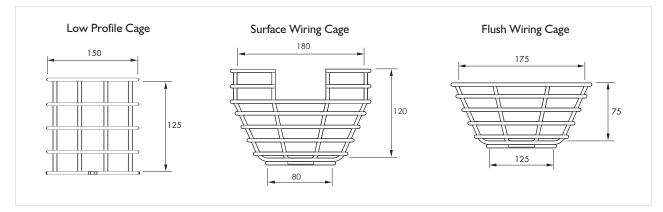
Mains Pack



Base Sounder Cable Spacing Ring



Steel Web Stoppers



Dimensions (mm)

Sound Output Table & Tone Specification

Т	one Inf	ormation	Ĩ	Banshee Excel [™] CH				Banshee Excel Lite™ CHX				
		ormacion			(12V)			ŧV)	(12V)		(24V)	
No.	DIL SW	Description	Frequency and timing	2nd Tone	dBA	mA	dBA	mA	dBA	mA	dBA	m
I	00000	Banshee Buzz LF	800Hz to 950Hz swept at 120Hz	4	94	6	101	12	94	6	100	1
2	10000	Banshee Fast Sweep LF*	800Hz to 950Hz swept at 9Hz	4	94	6	101	12	94	6	100	1
3	01000	Banshee Slow Sweep LF	800Hz to 950Hz swept at 3Hz	4	94	6	101	12	94	6	100	1
4	11000	Banshee Continuous LF	Continuous at 900Hz	4	94	6	101	12	94	6	100	1
5	00100	Banshee Fast Sweep LF (New)	830Hz to 970Hz swept at 9Hz	4	95	6	101	12	93	6	100	1
6	10100	Medium Sweep LF*	800Hz to 970Hz swept at 1Hz	7	96	6	101	12	94	6	100	-
7	01100	Continuous LF	Continuous at 950Hz	7	96	6	102	13	94	6	99	-
8	11100	Back Up Alarm LF	Intermittent at 950Hz I sec on, I sec off	4	96	8	102	14	93	6	99	
9	00010	Alternate LF	Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs	4	94	6	100	13	94	6	100	+
10	01010	Medium Sweep LF Alternate LF	Alternating Tones 800/950 at 3Hz	4	95 96	6	101	12	94 94	6	100	
12		Banshee Buzz HF	2400Hz to 2900Hz at 120Hz	15	102	16	110	35	102	16	101	
13		Banshee Fast Sweep HF	2400Hz to 2900Hz at 9Hz	15	102	17	110	35	102	17	110	
14		Banshee Slow Sweep HF	2400Hz to 2900Hz at 3Hz	15	103	17	110	35	103	17	110	3
15		Banshee Continuous HF	Continuous 2900Hz*	15	103	19	110	39	103	19	109	
16		Banshee Fast Sweep HF (New)	2450Hz to 3100Hz swept at 9Hz	15	103	18	110	36	103	18	109	3
17	00001	Back Up Alarm HF	Intermittent at 2900Hz I sec on, I sec off*	15	104	18	110	36	103	18	109	3
18	10001	Alternate HF	Alternating Tones 2400/2900 at 3Hz	15	104	16	110	36	104	17	110	3
19	01001	Slow Whoop*	500hz rising to 1200hz over 3.5 secs, silence 0.5 sec	4	95	6	101	12	95	6	101	1
20	11001	Din Tone (DK)*	1200Hz falling to 500Hz over 1 sec, silence 10mS, repeat	4	93	5	100	10	93	5	100	1
21	00101	French Fire Sound*	554Hz for 100mS and 440Hz for 400mS	4	90	4	96	7	90	4	96	
22	10101	Australian Alert Signal	420Hz repeating 0.625 sec on, 0.625 sec off	4	89	3	95	6	89	3	94	
23	01101	Australian Evacuation Signal	500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	4	95	6	103	12	95	6	101	
24	11101	US Temporal Tone LF	950Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat	4	95	5	101	10	93	5	99	
25	00011	US Temporal Tone HF	2900Hz for 0.5 sec on. 0.5 sec off for 3 phases, silence for 1.5secs and repeat	15	104	13	110	26	103	13	109	1
26	10011	Swedish Tone (Fire)	Intermittent 660Hz 150mS on, 150mS off	26	90	3	96	6	90	3	96	
27	01011	Swedish Tone (All Clear)	Continuous 660Hz	27	91	5	97	9	91	5	97	
28	11011	ISO8201 LF	Intermittent 970Hz 500mS on, 500mS off	28	93	5	99	10	90	5	96	
29	00111	ISO8201 HF	Intermittent 2900Hz 500mS on, 500mS off*	29	103	13	110	27	103	13	109	1
30		BT Banshee (FP1063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency	31	93	6	100	12	94	6	100	
31		BT Banshee (FP1063.1)	Continuous 1000Hz	31	90	6	96	14	88	6	94	
32	11111	Bell Tone	Bell Tone	32	96	12	101	25	94	12	99	1
32		Bell Tone	Bell Ione	32		Sector 20	el Lite"	Sec. and a sec.	1	1	99 Excel [™] E	
32		Bell Tone Banshee Buzz LF		32		Sector 20		Sec. and a sec.	1	1		BS
1 2			Bell Tone 800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz		Bans	hee Exc	el Lite'*	CHL	В	anshee I	Excel [™] E	BS
1	00000	Banshee Buzz LF	800Hz to 950Hz swept at 120Hz	4	Bans 94	hee Exc	el Lite**	CHL 12	B a 85	anshee I	Excel™ E	BS
1	00000	Banshee Buzz LF Banshee Fast Sweep LF*	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz	4	Bans 94 94	hee Exc 6 6	el Lite**	CHL 12 12	85 84	anshee I 6 6	Excel™ E 91 90	BS
1 2 3	00000	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz	4 4 4	Bans 94 94 94	hee Exc 6 6	el Lite** 100 100 100	CHL 12 12 12	85 84 84	anshee I 6 6	Excel™ E 91 90 90	BS
1 2 3 4	00000	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz	4 4 4 4	Bans 94 94 94 94	hee Exc 6 6 6 6	el Lite** 100 100 100 100	CHL 12 12 12 12	85 84 84 84	anshee I 6 6 6	91 90 90 90	BS
1 2 3 4 5	00000 10000 01000 11000 00100	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New)	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz	4 4 4 4 4	Bans 94 94 94 94 93	hee Exc 6 6 6 6 6	el Lite™ 100 100 100 100 100	CHL 12 12 12 12 12 12	85 84 84 84 84 84	6 6 6 6 6 6	91 90 90 90 90 90	BS
1 2 3 4 5 6 7	00000 10000 01000 11000 00100 10100	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF*	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz	4 4 4 4 4 7	Bans 94 94 94 94 93 93 94	hee Exc 6 6 6 6 6 6	el Lite™ 100 100 100 100 100 100	CHL 12 12 12 12 12 12 12	85 84 84 84 84 84 84	6 6 6 6 6 6 6	91 90 90 90 90 90 90 90	BS
1 2 3 4 5 6 7 8 9	00000 10000 11000 11000 00100 10100 01100 11100 00010	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Isc on, 1 sec off Alternating 800Hz/1000Hz at 1Hz	4 4 4 4 7 7 7 4 4	Bans 94 94 94 93 93 94 94 93 94 93 94	hee Exc 6 6 6 6 6 6 6	xel Lite ** 100 100 100 100 100 100 99 99 100	CHL 12 12 12 12 12 12 13 14 13	85 84 84 84 84 84 84 84	6 6 6 6 6 6 6 6 7	Excel™ E 91 90 90 90 90 90 90 90 90 90 90	BS
1 2 3 4 5 6 7 8 9 10	00000 10000 11000 01000 10100 10100 01100 01100 11100 10010	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Continuous LF Banshee Continuous LF Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Internating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs	4 4 4 4 7 7 7 4 4 4	Bans 94 94 94 93 94 93 94 93 94 94 93	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6	el Lite *** 100 100 100 100 100 100 100 100 100	CHL 12 12 12 12 12 12 13 14 13 12	B: 85 84 84 84 84 84 84 84 84 84 84 84	anshee I 6 6 6 6 6 6 7 4 7 7 6	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 10	00000 1000 11000 11000 00100 10100 01100 11100 00010 10010 01010	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz I sec on, I sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating nees 800(950 at 3Hz	4 4 4 4 7 7 7 4 4 4 4 4	Bans 94 94 94 93 94 94 93 94 93 94 94 94	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	el Lite *** 100 100 100 100 100 100 100 100 100	CHL 12 12 12 12 12 12 13 14 13 12 12 12 12 12 12 12 12 12 12	B 3 85 84 84 84 84 84 84 84 84 84 84	anshee I 6 6 6 6 6 6 7 4 7 6 7 7	Excel [™] E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 3 4 5 6 7 8 9 10 11 12	00000 10000 11000 11000 10100 10100 01100 11000 10010 00010 10100 11010	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Siow Sweep LF Banshee Sast Sweep LF (New) Medium Sweep LF* Constinuous LF Back UP Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 9Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1se con, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz	4 4 4 4 7 7 7 4 4 4 4 4 4 15	Bans 94 94 94 93 94 94 93 94 93 94 94 94 94	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 16	el Lite " 100 100 100 100 100 100 100 99 99 100 100	CHL 12 12 12 12 12 12 13 14 13 12 12 12 13 14 13 12 12 13 14 13 12 12 13 14 13 12 12 13 14 15 15 15 15 15 15 15 15 15 15	Bi 85 84 84 84 84 84 84 84 84 84 84 84 90	anshee I 6 6 6 6 6 6 7 4 7 6 7 7 15	Excel [™] E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 10 11 12 13	00000 10000 11000 01000 1000 1000 0100 01100 1100 00010 10010 01010 000110	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Fast Sweep HF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1 sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz	4 4 4 4 7 7 7 4 4 4 4 4 4 15 15	Bans 94 94 94 93 94 94 93 94 94 94 94 94 102 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 16 17	el Lite " 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 13 14 13 12 12 12 35 35	Bi 85 84 84 84 84 84 84 84 84 84 84 84 90 92	anshee I 6 6 6 6 6 6 7 4 7 7 6 7 7 15 15	Sxcel ^{**} E 91 90 90 90 98 98	
1 2 3 4 5 6 7 8 9 10 11 12 13 14	00000 10000 11000 01000 10100 01100 11100 00010 11000 10010 11010 10110	Banshee Buzz LF Banshee Stow Sweep LF Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Stow Sweep HF Banshee Stow Sweep HF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1 sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating tones 800(950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz	4 4 4 4 7 7 7 4 4 4 4 15 15	Bans 94 94 94 93 94 94 93 94 94 94 94 94 102 103 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 16 17 17	el Lite ** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 13 14 13 12 12 12 35 35 35	Bi 85 84 84 84 84 84 84 84 84 84 84 84 90 92 90	anshee I 6 6 6 6 6 7 4 7 7 6 7 7 15 15 15	91 90	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	00000 01000 11000 01000 01100 01100 01100 01100 01010 11000 01010 11010 00110 10110 00110	Banshee Buzz LF Banshee Fast Sweep LF Banshee Slow Sweep LF Banshee Stast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Fast Sweep HF Banshee Continuous HF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1se con, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 3Hz	4 4 4 4 7 7 7 4 4 4 4 15 15 15	Bans 94 94 94 93 94 94 93 94 94 94 94 94 102 103 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 16 17 17 19	el Lite ** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 13 14 13 12 12 12 13 35 35 39	Bi 85 84 84 84 84 84 84 84 84 84 84 90 92 90 94	anshee I 6 6 6 6 6 6 7 4 7 6 7 7 15 15 15 13	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 3 4 5 6 7 8 9 10 11 12 13 14 15 16	00000 01000 10000 1000 10100 10100 01100 11100 00010 10010 01010 10110 00110 10110 01110	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Suz HF Banshee Stow Sweep HF Banshee Stow Sweep HF Banshee Sat Sweep HF Banshee Sat Sweep HF Banshee Sat Sweep HF (New)	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz	4 4 4 4 7 7 7 4 4 4 4 4 4 15 15 15	Bans 94 94 94 94 93 94 94 93 94 94 94 94 94 102 103 103 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 16 17 17 17 19 18	el Lite ** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 13 14 13 12 12 12 35 35 35 39 36	B: 85 84 84 84 84 84 84 84 84 84 84 84 84 84	anshee I 6 6 6 6 6 6 7 4 7 7 6 7 7 6 7 7 15 15 15 13 14	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	00000 10000 01000 11000 10100 11100 11100 11100 10010 10010 10010 10110 10110 00110 00110 10110	Banshee Buzz LF Banshee Fast Sweep LF Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Stast Sweep HF (New) Back Up Alarm HF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz Alternating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 1Az 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 9Hz 2400Hz to 3100Hz swept at 9Hz 100Hz to 3100Hz swept at 9Hz 100Hz to 3100Hz swept at 9Hz 2450Hz to 3100Hz swept at 9Hz 10termittent at 2900Hz at 9Hz	4 4 4 4 7 7 4 4 4 4 4 4 4 15 15 15 15	Bans 94 94 94 94 93 94 94 94 94 94 94 94 102 103 103 103 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	el Lite ** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 13 14 13 12 12 12 35 35 35 35 39 36 37	B: 85 84 84 84 84 84 84 84 84 84 84 84 84 84	anshee I 6 6 6 6 7 4 7 7 6 7 15 15 15 15 13 14 8	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	00000 1000 1000 1000 1000 1000 1000 10100 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 000 1000 000 1000 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000	Banshee Buzz LF Banshee Fast Sweep LF Banshee Slow Sweep LF Banshee Stast Sweep LF (New) Medium Sweep LF* Continuous LF Banshee Fast Sweep LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Fast Sweep HF Banshee Fast Sweep HF (New) Back Up Alarm HF Alternate HF	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1se con, 1 sec off Alternating 800Hz/1000Hz at 1Hz 800Hz to 9700Hz swept at 0.5 secs Alternating 000Hz to 9700Hz at 9Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 3200Hz at 3Hz Continuous 2900Hz at 9Hz Alternating Tomes 2400/2900 at 3Hz	4 4 4 4 7 7 7 4 4 4 4 4 4 15 15 15 15 15	Bans 94 94 94 94 93 94 94 94 94 94 102 103 103 103 103 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 16 1	sel Lite ** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 12 12 12 13 14 13 12 12 12 12 35 35 35 35 39 36 37 36	B: 85 84 84 84 84 84 84 84 84 84 90 92 90 92 90 94	anshee 1 6 6 6 6 6 6 7 4 7 7 6 7 7 15 15 15 15 15 13 14 8 13	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 0 1 2 3 7 8 9 9 9 0 1 2 3 7 8 9 9 9 0 1 2 3 7 8 9 9 9 0 1 2 3 8 9 9 9 0 1 2 3 7 8 9 9 9 0 1 2 3 7 8 9 9 9 0 1 2 3 9 9 9 0 1 2 8 9 9 0 1 2 8 9 9 0 1 2 8 9 9 9 9 0 1 2 3 9 9 0 1 2 9 9 0 1 2 9 9 9 0 1 2 3 1 2 9 9 9 9 0 1 2 3 1 2 9 9 9 0 1 2 3 1 2 9 9 9 9 1 2 3 1 2 9 9 9 1 2 3 1 9 9 9 9 9 9 1 2 3 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	00000 10000 11000 11000 11000 10100 10100 10100 0010 10000 10010 10100 10110 00110 10110 01110 01110 01110 01110 01110 00001 01000	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Back Up Alarm LF Atternate LF Medium Sweep LF Atternate LF Banshee Buzz HF Banshee Buzz HF Banshee Stow Sweep HF Banshee Stow Sweep HF Banshee Stat Sweep HF Banshee Stat Sweep HF Banshee Stat Sweep HF Banshee Tast Sweep HF Nerwer HF Banshee Tast Sweep HF Nerwer HF Alternate HF Slow Whoop*	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz StoHz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz StoHz to 1000Hz swept at 0.5 secs Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 3100Hz swept at 9Hz 2400Hz to 2900Hz at 3Hz Alternating Tones 2400/2900 at 3Hz StoHz rising to 1200hz over 3.5 sec, silence 0.5 sec	4 4 4 4 7 7 7 4 4 4 4 4 4 4 15 15 15 15 15 15 15 15 4	Bans 94 94 94 94 93 94 94 94 94 94 102 103 103 103 103 103 104 95	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 16 17 17 19 18 18 18 17 6	sel Lite *** 100 100 100 100 100 100 100 100 100	CHL 12 12 12 12 12 12 12 12 13 14 13 12 12 12 35 35 35 35 39 36 37 36 12	B: 85 84 84 84 84 84 84 84 84 84 84	anshee 1 6 6 6 6 6 6 7 4 7 7 4 7 7 5 15 15 15 15 15 13 14 8 8 13 5	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	00000 10000 10000 01000 01000 10100 01100 00100 01010 01010 10100 01010 10110 01110 01110 11110 00001 100000 1000000 1000000 1000000 1000000 100000000	Banshee Buzz LF Banshee Stow Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Stow Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Banshee Stat Sweep HF (New) Back Up Alarm HF Alternate HF Slow Whoop* Din Tone (DK)*	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 200Hz at 91Hz 2400Hz to 3900Hz at 91Hz Intermittent at 2900Hz at 91Ls ec on, 1 sec off* Alternating Tones 2400Hz over 1 sec, silence 0.5 sec I20Hz falling to 500Hz over 1 sec, silence I0mS, repeat	4 4 4 7 7 7 4 4 4 4 4 4 15 15 15 15 15 15 15 15 15 15 15 15	Bans 94 94 94 93 94 94 93 94 94 94 94 102 103 103 103 103 103 103 103 95 93	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	sel Lite *** 100 100 100 100 100 100 100 100 100	CHL 12 12 12 12 12 12 13 14 13 12 12 14 13 12 12 35 35 35 39 36 37 36 37 36 12 10 12 12 13 14 15 15 15 15 15 15 15 15 15 15	B: 85 84 84 84 84 84 84 84 84 84 84 84 84 84	anshee 1 6 6 6 6 6 6 6 7 7 4 7 7 5 15 15 15 15 13 14 8 13 5 5 5	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00000 10000 11000 11000 11000 10100 11100 01100 11100 10010 01110 11010 01110 11110 01110 11110 01110 11101 00001 110001 110001 110001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 100000 100000 100000 100000 100000 100000 100000 100000 10000	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Slow Sweep LF (New) Medium Sweep LF* Continuous LF Banshee Sast Sweep LF Atternate LF Medium Sweep LF Atternate LF Banshee Buzz HF Banshee Fast Sweep HF Atternate HF Slow Whoop* Din Tone (DK)*	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1sec on, 1 sec off Alternating 080Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating nones 800/950 at 3Hz 2400Hz to 2900Hz at 19Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 300Hz 3Hz Continuous 2900Hz * 2400Hz to 300Hz at 200Hz S00Hz to 1000Hz swept at 9Hz Intermittent az 200Hz 1s 4Hz Continuous 2900Hz * S00Hz to 1000Hz swept at 9Hz Intermittent az 200Hz 1s en, 1 sec off* Alternating Tones 2400/2900 at 3Hz S00Hz rising to 1200Hz over 3.5 secs, silence 0.5 sec 1200Hz falling to 500Hz over 1 sec, silence 10mS, repeat S54Hz for 100mS	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 15 15 15 15 15 15 4 4 4	Bans 94 94 94 94 93 94 94 93 94 94 94 94 94 102 103 103 103 103 103 93 90	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	el Lite *** 100 100 100 100 100 100 100 100 100	CHL 12 12 12 12 12 12 12 12 13 14 13 12 12 12 35 35 35 39 36 37 36 37 36 12 10 7	Bi 85 84 84 84 84 84 84 84 84 84 84 84 90 92 90 94 93 97 94 87 95 94 88 7 87 88	anshee I 6 6 6 6 6 6 6 6 6 6 7 7 6 6 7 7 6 7 7 6 7 7 5 15 15 15 13 13 14 8 8 13 5 5 4	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 5 6 7 8 9 0 1 1 1 2 3 4 5 6 7 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00000 10000 10000 10000 10100 01100 01100 11100 0010 11100 01010 10110 01110 01110 11110 00001 11110 00001 10000 11110 00001 100000 10000000 100000 1000000 100000 100000 100000 100000 1000000 1000000 1000000 1000000 1000000 1000000 1000000 10000000 100000000	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Suzz HF Banshee Siow Sweep HF Banshee Siow Sweep HF Banshee Sast Sweep HF Banshee Tast Sweep HF Sternate HF Slow Whoop* Din Tone (DK)* French Fire Sound* Australian Alert Signal	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz Intermittent at 950Hz Stothz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz Stothz to 1000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 9Hz Stothz swept at 9Hz Intermittent at 2900Hz or 31Hz Sobhz rising to 1200hz over 3 secs, silence 0.5 sec 1200Hz falling to 500Hz over 1 sec, silence 10mS, repeat 554Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec onf. 625 sec off	4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 15 15 15 15 15 15 15 4 4 4 4	Bans 94 94 94 94 93 94 94 94 94 94 94 94 94 102 103 103 103 103 103 103 95 99 0 89	hee Exc 6 6 6 6 6 6 6 6 6 6 16 17 19 18 18 17 6 5 4 3	el Lite" 100 100 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 12 12 13 14 13 12 12 13 35 35 35 35 39 6 12 10 7 6	Bi 85 84 84 84 84 84 84 84 84 84 84 84 90 92 90 92 90 92 90 94 87 95 94 88 87 87 84 88 83	anshee 1 6 6 6 6 6 6 6 6 6 7 7 4 7 7 6 6 7 7 15 15 15 15 15 13 14 8 13 5 5 5 4 3	Excel ^{**} F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	00000 10000 10000 01000 01000 01100 01100 01100 01010 01010 10100 01010 11110 01010 11110 01010 11000 11110 01001 01001 01001 01001 01001 01001 01001 01001 01001 01001 01001 01000 000000	Banshee Buzz LF Banshee Stow Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Sow Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Slow Whoop* Din Tone (DK)* French Fire Sound* Australian Alert Signal	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Internating 800Hz/1000Hz at 1Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz Intermittent at 2900Hz at 9Hz Intermittent at 2900Hz I sec on, 1 sec off* Alternating Tones 2400Hz Oz as 3Hz S00Hz to 3100Hz swept at 9Hz Intermittent at 2900Hz I sec on, 2 sec, silence 0.5 sec I20Hz falling to 500Hz over 1 sec, silence 0.5 sec I20Hz falling to 500Hz over 1 sec, silence 10mS, repeat S54Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec off S00Hz to 1200Hz sweeping, 3.75 secs on, 0.25 sec off	4 4 4 4 4 4 4 4 4 4 4 5 15 15 15 15 15 15 15 15 15 15 15 15 1	Bans 94 94 94 94 93 94 94 94 94 94 94 102 103 103 103 103 103 103 104 95 93 90 95	hee Exc 6 6 6 6 6 6 6 6 7 17 19 18 17 6 5 4 3 6	el Lite" 100 100 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 12 12 13 5 35 35 39 36 37 36 37 6 12 10 7 6 12	85 85 84 84 84 84 84 84 84 84 84 84 90 92 90 94 97 95 90 94 87 95 88 87 88 88 88	anshee 1 6 6 6 6 6 6 6 6 7 7 4 7 7 5 15 15 15 15 13 14 8 8 13 5 5 4 4 3 5 5	Excel [™] P 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
I 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	00000 10000 11000 11000 01000 111000 01100 11100 11100 11100 11010 01110 11110 01110 11110 00101 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10001 10000 11000 100000 10000 10000 10000 100000 100000 100000 100000 100	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Slow Sweep LF (New) Medium Sweep LF* Continuous LF Banshee Fast Sweep LF Atternate LF Banshee Buzz HF Banshee Buzz HF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Slow Sweep HF Banshee Fast Sweep HF Banshee Continuous HF Banshee Fast Sweep HF Banshee Fas	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermitten at 950Hz is ec on, 1 sec off Alternating 080Hz/1000Hz at 1Hz 800Hz to 970Hz swept at 0.5 secs Alternating nones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 1400Hz to 2900Hz at 9Hz 2400Hz to 300Hz swept at 9Hz Intermitten at 2900Hz is sec, 1 sec off* Alternating Tones 2400/2900 at 3Hz 500Hz rising to 1200Hz wept 1 sec, silence 0.5 sec 1200Hz falling to 500Hz over 1 sec, silence 0.5 sec 1200Hz repeating 0.625 sec on, 0.625 sec off 500Hz ro 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.625 sec off 500Hz to 1200Hz sweept sec off or 3 phases, silence for 1.5secs and repeat	4 4 4 4 4 7 7 7 4 4 4 4 4 15 15 15 15 15 15 15 15 15 15 15 4 4 4 4	Bans 94 94 94 94 93 94 94 94 94 94 94 102 103 103 103 103 103 103 103 95 93 99 99 99 99 99 99 99	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 17 17 17 19 18 18 17 19 18 18 17 6 5 5 4 3 6 5 5	el Lite" 100 100 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 12 12 12 13 14 13 12 12 35 35 35 35 35 36 37 36 37 36 12 10 7 6 12 10 7 6 12 10	Bit 85 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 90 92 90 94 87 95 94 88 87 84 83 88 84	anshee 1 6 6 6 6 6 6 6 6 7 7 4 7 7 7 15 15 15 15 15 13 13 14 8 8 13 5 5 4 3 5 5 4	Excel [™] F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
I 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 24 25 24 25 24 25 24 25 26 27 26 27 27 27 27 27 27 27 27 27 27	00000 10000 10000 10000 10100 01100 01100 11100 0010 11100 01010 11010 01110 01110 11110 00001 11001 01001 01001 01001 01001 11100 00001 11000 01001 11100 00001 11000 01001 01001 01000 00100 00100 00100 00100 00100 00100 00100 00100 00100 00100 00100 00100 00100 00010 00010 00010 00010 00010 00010 00010 00010 000000	Banshee Buzz LF Banshee Stor Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Back Up Alarm LF Atternate LF Medium Sweep LF Atternate LF Banshee Buzz HF Banshee Buzz HF Banshee Stoweep HF Atternate HF Stow Whoog* Din Tone (DK)* French Fire Sound* Australian Alert Signal Australian Fareue HF Stoweep HF Banshee Stoweep HF Banshee	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1 sec on, 1 sec off Alternating 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 1 sec on, 1 sec off Alternating 800Hz 1 sec on, 1 sec off Alternating 70nes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous at 120Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Southz to 100Hz swept at 0Hz Intermittent at 2900Hz for 0.5 sec off* Alternating Tones 2400/2900 at 3Hz S00hz rising to 1200hz over 1 sec, silence 0.5 sec 1200Hz falling to 500Hz over 1.5 sec, silence 10mS, repeat 554Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.625 sec off 500Hz to 120Hz swepeing, 3.75 secs on, 0.25 sec off 50Hz to 10.5 sec off for 3 phases, silence for 1.5secs and repeat 50Hz for 0.5 sec off for 5 phases, silence for 1.5secs and repeat	4 4 4 4 7 7 7 4 4 4 4 15 15 15 15 15 15 15 15 15 15 15 15 15	Bans 94 94 94 94 93 94 94 94 94 94 94 94 94 94 94 94 93 103 103 103 103 104 95 93 90 89 93 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	el Lite" 100 100 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 13 14 13 35 35 35 39 36 12 10 0 7 6 12 10 0 27	Bit 85 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 87 88 84 83 88 84 84	anshee 1 6 6 6 6 6 6 6 6 6 7 7 4 7 7 15 15 15 15 15 15 15 15 15 15 15 15 15	Excel ^{**} F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	
I 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26	00000 10000 10000 01000 01100 01100 01100 01100 01010 01010 10100 01010 10110 01010 11110 00001 10001 10001 01001 11000 0100 11000 0100 0000 0000 0000 0000 0000 000 0000 0000 0000 0000 000	Banshee Buzz LF Banshee Stow Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Sow Sweep HF Banshee Sow Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Slow Whoop* Din Tone (DK)* French Fire Sound* Australian Alert Signal Australian Alert Signal Australian Alert Signal Australian Alert Signal Australian Evacuation Signal US Temporal Tone HF Swedish Tone (Fire)	800Hz to 950Hz swept at 120Hz 800Hz to 950Hz swept at 9Hz 800Hz to 950Hz swept at 3Hz Continuous at 900Hz 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Internating 800Hz/1000Hz at 1Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating Tones 2400Hz 0 sec 3.5 secs, silence 0.5 sec 120Hz falling to 500Hz to 120 hz over 1 sec, silence 0.5 sec 120Hz falling to 500Hz over 1 sec, silence 0.5 sec 554Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.5 sec off 500Hz to 1200Hz sweeping, 3.75 secs on, 0.5 sec off 500Hz to 1200Hz sweeping, 3.75 secs on, 0.5 sec off 590Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs and	4 4 4 4 7 7 7 4 4 4 4 4 4 4 4 4 4 4 4 4	Bans 94 94 94 93 93 93 94 94 94 94 94 94 102 103 103 103 103 103 103 103 103 95 93 90 90 90	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	el Lite" 100 100 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 12 12 13 14 13 35 35 39 36 12 10 7 6 12 10 7 6 12 10 27 6	Bit 85 84 87 99 94 88 87 88 83 88 84 83 84 84 84 83 84 84 84 84 84 84 84	anshee 1 6 6 6 6 6 6 6 7 7 4 7 7 5 5 15 15 15 15 15 15 13 14 8 8 13 5 5 4 3 5 5 4 4 6 3 3	Excel** F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS
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Notes:

*Tones highlighted in bold are approved under the Construction Product Directive.

Sound output (dBA) and current (mA) values are typical.

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We reserve the right to change or amend any design or specification in line with our policy of continuing development and improvement.