VINPEX

Banshee Excel[™] Sounder Range



Fire Alarms

Electronic Sounders

FlashDome

Banshee

BS 5839-1

Evacuation

Audible Alarm

EN 54-3

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: 5 colours, CHL: 3 colours)
- 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





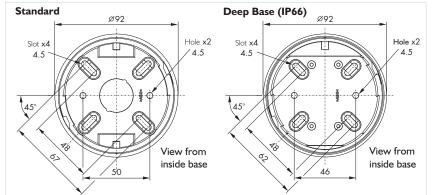
Specification

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, Amber PHL: Red, Amber	-	Red	-
Temperature Range (Deg C):	-40 to +70	-15 to +40 (CHX) -20 to +70 (CHL)	-40 to +70	-20 to +70	ТВС
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	-	1	-
Flash Rate (Per Second):	-	I	I	I	-
Termination:		Screw terminal	s for 0.28 mm ² to 2.5 mm ² wi	e conductor	

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

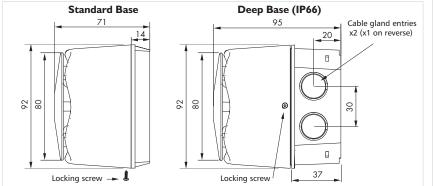
Installation

Banshee Excel[™] Common Base



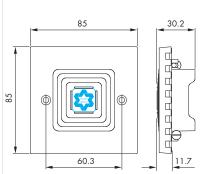
Used with Banshee Excel[™] CH, Banshee Excel Lite[™] CHX & CHL and Banshee Excel[™] FlashDome

Banshee Excel[™] CH Sounder



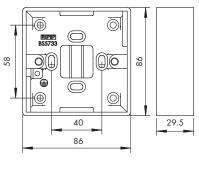
Banshee Excel[™] BD **Bedroom Sounder**

Flush Mounted



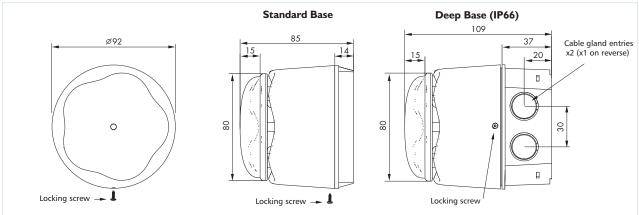
Back Box

Supplied with Surface Mount Version

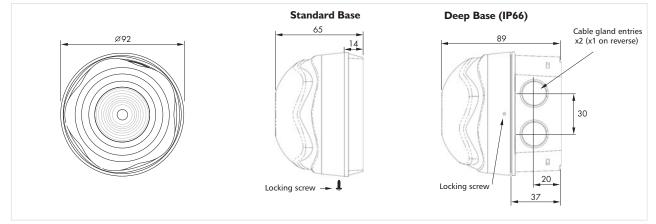


Installation

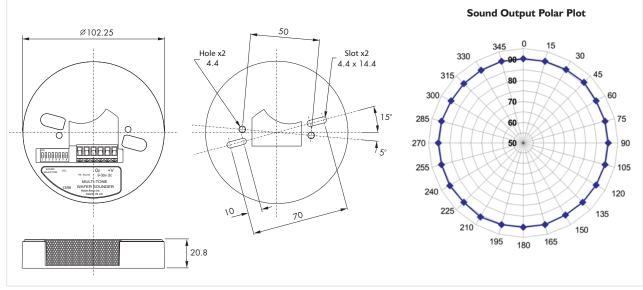
Banshee Excel Lite[™] CHX & CHL Sounder Beacon



Banshee Excel[™] FlashDome Beacon



Banshee Excel[™] BS Base Sounder



Dimensions (mm)

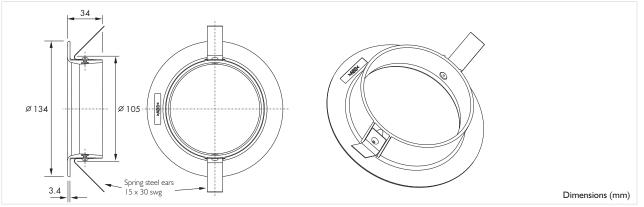
Accessories

Accessory
•

Description	Part No.	Use with Banshee Excel [™] : C ¹ &								
Flush Mounting Ring	8502900	ථ =	, &	□ 	Litte		Cr. HashDr HashDr			
Combination Bracket	8503000	1			•	•	•			
Mains Pack I 10/230 Vac to 24 Vdc	8502700	•			•	•	•			
Wall Fixing Clip	8503100	1			•	•	1			
Base Sounder Cable Spacing Ring	8502800									
Steel Web Stopper: Low Profile Cage (Supplied with full fixing kit)	S-9617	l				l	2			
Steel Web Stopper: Base Sounder - Surface Wiring Cage (Supplied with full fixing kit)	S-9605						-			
Steel Web Stopper: Base Sounder - Flush Wiring Cage (Supplied with full fixing kit)	S-9604	Ĩ	•	•		•				

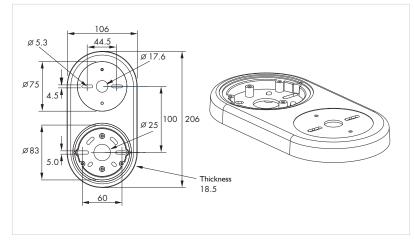
Accessories Installation

Flush Mounting Ring

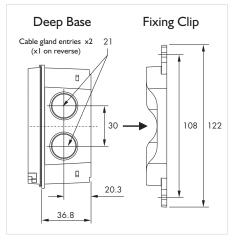


Accessories Installation

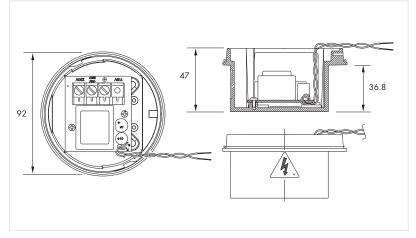
Combination Bracket



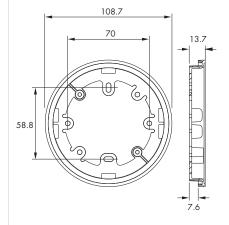
Wall Fixing Clip & Deep Base



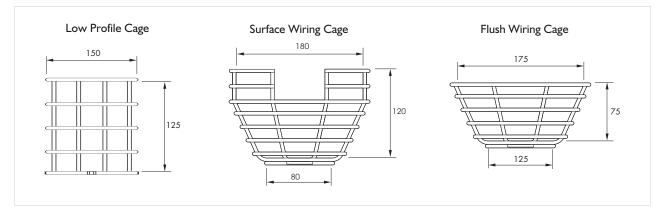
Mains Pack



Base Sounder Cable Spacing Ring



Steel Web Stoppers



Dimensions (mm)

Sound Output Table & Tone Specification

T/	ne Inf	ormation		Î	Ba	inshee E	Excel™ C	н	Bans	hee Exce	el Lite™	снх
	me mi	ormation			(12	2V)	(24	ŧ¥)	(12V)		(24V)	
ło.	DIL SW	Description	Frequency and timing	2nd Tone	dBA	mA	dBA	mA	dBA	mA	dBA	m
1	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	Hi
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	
5	00100	Banshee Fast Sweep LF (New)	830Hz to 970Hz swept at 9Hz	4	95	6	101	12	93	6	100	
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 1 sec on, 1 sec off	4	96	8	102	14	93	6	99	
9	00010	Alternate LF	Alternating 800Hz/1000Hz at 1Hz	4	94	6	100	13	94	6	100	
10	10010	Medium Sweep LF	800Hz to 1000Hz swept at 0.5 secs	4	95	6	101	12	94	6	100	
11	01010	Alternate LF	Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz	4	96 102	6	101	12	94 102	6	101	
12	00110	Banshee Buzz HF Banshee Fast Sweep HF	2400Hz to 2900Hz at 120Hz	15	102	16	110	35	102	16	110	
14	10110	Banshee Slow Sweep HF	2400Hz to 2900Hz at 3Hz	15	103	17	110	35	103	17	110	3
15	01110	Banshee Continuous HF	Continuous 2900Hz*	15	103	19	110	39	103	19	109	3
16	11110	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	
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	1
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	1
25 26	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 90	13	96	26	103 90	13	109 96	2
26	01011	Swedish Tone (Fire) Swedish Tone (All Clear)	Intermittent 660Hz 150mS on, 150mS off Continuous 660Hz	26	90	5	96	6	90	5	96	
28	11011	ISO8201 LF	Intermittent 970Hz 500mS on, 500mS off	2/	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	
30	10111	BT Banshee (FP1063.1)	Yodel 800Hz/1000Hz, 0.25sec each frequency	31	93	6	100	12	94	6	100	1 î
31	01111	BT Banshee (FP1063.1)	Continuous 1000Hz	31	90	6	96	14	88	6	94	Hi
32	11111	Bell Tone	Bell Tone	32	96	12	101	25	94	12	99	2
32	11111	Bell Tone	Bell Tone	32		Sec. 20		Sec. and Sec.				
					Bans	hee Exc	el Lite™	CHL	В	anshee I	Excel [™] E	BS
32 1	00000	Banshee Buzz LF	800Hz to 950Hz swept at 120Hz	4	Bans 94	hee Exc	el Lite**	CHL 12	B 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 4	Bans 94 94	hee Exc 6 6	el Lite**	CHL 12 12	85 84	anshee I	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	4 4 4	Bans 94 94 94	hee Exc 6 6	el Lite** 100 100	CHL 12 12 12	85 84 84	anshee I	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	6 6 6 6	Excel™ E 91 90 90 90	BS
1 2 3 4 5	00000 10000 01000 11000 00100	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Continuous 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 830Hz to 970Hz swept at 9Hz	4 4 4 4 4	Bans 94 94 94 94 93	hee Exc 6 6 6 6	el Lite** 100 100 100 100 100 100	CHL 12 12 12 12 12	85 84 84 84 84 84	6 6 6 6 6	91 90 90 90 90	
1 2 3 4 5 6	00000	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 800Hz to 970Hz swept at 9Hz 800Hz to 970Hz swept at 1Hz	4 4 4 4	Bans 94 94 94 94	hee Exc 6 6 6 6 6 6	el Lite** 100 100 100 100	CHL 12 12 12 12	85 84 84 84	6 6 6 6	Excel™ E 91 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 Continuous 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 830Hz to 970Hz swept at 9Hz	4 4 4 4 4 7	Bans 94 94 94 94 93 93 94	hee Exc 6 6 6 6	el Lite** 100 100 100 100 100 100 100 100	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	BS
1 2 3 4 5 6 7 8	00000 10000 11000 11000 00100 10100 01100	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF* Continuous 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	4 4 4 4 7 7 7	Bans 94 94 94 94 93 93 94 94	hee Exc 6 6 6 6 6 6 6	el Lite™ 100 100 100 100 100 99	CHL 12 12 12 12 12 12 12 12 13	85 84 84 84 84 84 84 84 84	6 6 6 6 6 6 6 7	91 90 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	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	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 1 sec on, 1 sec off Atternating 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 94	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 99 99 100 100	CHL 12 12 12 12 12 12 13 14 13 12	B: 85 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 90	BS
1 2 3 4 5 6 7 8 9 10 11	00000 10000 11000 01000 10100 10100 11100 11100 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 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 cones 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	el Lite ** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 12 12 12 12 12 12 12	B: 85 84 84 84 84 84 84 84 84 84	anshee E 6 6 6 6 6 6 7 4 7 6 7	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS
1 2 3 4 5 6 7 8 9 10 11 12	00000 10000 11000 1000 10100 10100 11100 11100 10010 10010 10010 11010	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Siow Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous 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 s 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	Bans 94 94 94 93 94 94 93 94 93 94 94 94 94 102	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 16	el Lite *** 100 100 100 100 100 100 100 100 100	CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 35	B: 85 84 84 84 84 84 84 84 84 84 90	anshee E 6 6 6 6 6 6 7 4 7 6 7 6 7 15	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS
1 2 3 4 5 6 7 8 9 10 11 12 13	00000 10000 11000 11000 10100 11100 01100 11100 00010 10010 01010 00110	Banshee Buzz LF Banshee Stor Sweep LF* Banshee Continuous LF Banshee Continuous LF Banshee Fast 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	B00Hz to 950Hz swept at 120Hz B00Hz to 950Hz swept at 9Hz B00Hz to 950Hz swept at 3Hz Continuous at 900Hz B30Hz to 970Hz swept at 1Hz Continuous at 950Hz Continuous at 950Hz Intermittent at 950Hz 1 sec on, 1 sec off Alternating 800Hz/1000Hz at 1Hz B00Hz to 0700Hz swept at 0.5 secs Alternating Tomes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 120Hz	4 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 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 99 99 100 100	CHL 12 12 12 12 12 13 14 13 12 12 12 35 35	B: 85 84 84 84 84 84 84 84 84 84 84 90 92	anshee E 6 6 6 6 6 6 7 4 7 7 6 7 7 15 15	Sxcel ^{**} E 91 90 90 90 98 98	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14	00000 10000 1000 1000 0100 0100 1100 01100 11100 00010 10010 11010 10110	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 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 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermitten at 950Hz Intermitten at 950Hz Alternating 800Hz/1000Hz at 1Hz 800Hz to 9700Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz	4 4 4 4 4 7 7 7 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 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 35	B: 85 84 84 84 84 84 84 84 84 84 84	anshee E 6 6 6 6 6 6 7 4 7 7 6 7 7 15 15 15	91 90	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	00000 01000 01000 01000 01100 01100 01100 01100 01010 01010 01010 01110 00110 00110	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Stat Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Fast Sweep HF Banshee Fast Sweep 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 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 Tomes 800/950 at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 3Hz Continuous 2900Hz at 3Hz	4 4 4 4 4 7 7 7 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	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 16 17 17 17	el Lite " 100 100 100 100 100 100 100 100 100 10	CHL 12 12 12 12 12 12 13 14 13 12 12 12 35 35 39	B: 85 84 84 84 84 84 84 84 84 84 90 92 90 94	anshee I 6 6 6 6 6 6 6 7 4 7 7 6 7 7 6 7 7 15 15 15 13	Sxcel ^{**} E 91 90 90 96 96 100	BS
1 3 4 5 6 7 8 9 10 11 12 13 14 15 16	00000 10000 10000 10000 1000 10100 11100 00010 1000 10100 1000 10100 10100 10100 1000 10100 10000 1000 10000 1000	Banshee Buzz LF Banshee Stow Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Carter Sweep LF (New) Medium Sweep LF Back Up Alarm LF Alternate LF Banshee Buzz HF Banshee Buzz 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 830Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz BooHz to 1000Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz to scon, 1 sec off Alternating 800Hz/1000Hz at 1Hz 200Hz to 2000Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 3900Hz at 3Hz 2400Hz to 3100Hz	4 4 4 4 4 7 7 7 4 4 4 4 4 4 4 15 15 15	Bans 94 94 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 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 7 4 7 6 7 15 15 15 15 13 14	Excel™ E 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS
1 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	00000 10000 01000 11000 01000 11000 01100 01100 10010 10010 10010 10110 10110 10110	Banshee Buzz LF Banshee Fast Sweep LF Banshee Continuous LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Aarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Sux Sweep HF Banshee Sow Sweep HF Banshee Continuous HF Banshee Sat Sweep HF (New) Back Up Aarm 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 Intermitten at 950Hz Intermitten at 950Hz Alternating 800Hz/1000Hz at 1Hz 800Hz to 970Hz swept at 1Hz 200Hz to 1000Hz at 192 Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 3100Hz swept at 9Hz Continuous 2900Hz at 9Hz 2450Hz to 3100Hz swept at 9Hz Intermitten at 2900Hz at 9Hz	4 4 4 4 7 7 7 4 4 4 4 4 4 4 4 15 15 15 15	Bans 94 94 94 93 94 94 93 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	anshee I 6 6 6 6 7 4 7 6 7 15 15 15 15 13 14 8	Sxcel [™] E 91 90 90 90 94 101	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	00000 01000 01000 01000 01100 01100 01100 01100 01010 11010 01010 11010 01110 01110 01110 01110	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Stow 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 1000Hz swept at 0.5 secs Alternating rones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 9Hz Alternating 70Hz to 91Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating 70Hz to 1900Hz 3Hz	4 4 4 4 4 7 7 7 4 4 4 4 4 4 15 15 15 15	Bansi 94 94 94 93 94 94 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 6	el Lite** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 12 12 12 12	B. 85 84 84 84 84 84 84 84 84 84 84	anshee 1 6 6 6 6 6 6 7 4 7 6 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	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	00000 10000 1000 11000 10100 10100 10100 10100 0010 10010 10100 10110 01110 11110 0001 11110	Banshee Buzz LF Banshee Stor Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Stow Sweep HF Banshee Ast Sweep HF Banshee Ast Sweep HF Banshee Ast Sweep HF Banshee Tast Sweep HF Banshee Tast Sweep HF Banshee Tast Sweep HF Slaw Hroog*	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 BooHz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz Intermittent at 950Hz Stonta to 970Hz swept at 1Hz 2400Hz to 2900Hz swept at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz swept at 9Hz 1450Hz to 3100Hz swept at 9Hz 1450Hz to 3100Hz swept at 9Hz 1450Hz to 3100Hz swept at 9Hz Alternating Tones 2400/2900 at 3Hz 250Hz rising to 1120Hz over 3.5 sec, silence 0.5 sec	4 4 4 4 4 7 7 7 4 4 4 4 4 4 15 15 15 15 15 15 15 15 4	Bansi 94 94 94 93 94 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 16 17 17 17 19 18 18 18 17 6	el Lite** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 12 13 14 13 12 12 12 35 35 35 35 39 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 6 6 7 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	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	00000 01000 01000 01000 01100 01100 01100 01100 01010 11010 01010 11010 01110 01110 01110 01110	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Stow 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 1000Hz swept at 0.5 secs Alternating rones 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 3Hz Continuous 2900Hz at 9Hz Alternating 70Hz to 91Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating 70Hz to 1900Hz 3Hz	4 4 4 4 4 7 7 7 4 4 4 4 4 4 15 15 15 15	Bansi 94 94 94 93 94 94 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 6	el Lite** 100 100 100 100 100 100 100 100 100 1	CHL 12 12 12 12 12 12 12 12 12 12	B. 85 84 84 84 84 84 84 84 84 84 84	anshee 1 6 6 6 6 6 6 7 4 7 6 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	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	00000 1000 1000 0100 0100 0100 0100 01100 01010 01010 01010 01010 01010 01110 01110 01110 01110 01110 01110 01110 01110 01100 01001 01000 0100 0010 01100 0010 01010 0100 0010 01010 0010 01010 0010 01010 0010 01010 0010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01010 01000 000000	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 Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Fast Sweep HF Din Tone (DK)* French Fire Sound*	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 100Hz to 970Hz swept at 1Hz Continuous at 950Hz Intermittent at 950Hz 11Hz 200Hz to 1000Hz at 0.5 secs Alternating 70Hz soupt at 0.5 secs Alternating Tones 800/950 at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 3100Hz at 01Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 100Hz to 1200Hz at 120Hz 2400Hz to 2900Hz at 9Hz 100Hz failer at 2900Hz 1 sec on, 1 sec off* Alternating Tones 2400/2900 at 3Hz 500hz rising to 1200hz over 3.5 sec, silence 0.5 sec 120Hz failing to 500Hz over 1 sec, silence 10mS, repeat	4 4 4 7 7 7 4 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 94 102 103 103 103 103 103 103 103 103 103	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 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 14 13 12 12 35 35 35 39 36 37 36 12 10 12 12 13 14 15 15 16 17 16 17 17 18 19 19 19 19 19 19 19 19 19 19	B: 85 84 84 84 84 84 84 84 84 84 84	anshee 1 6 6 6 6 6 6 7 4 7 6 7 15 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 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 93 93	BS
I 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	00000 1000	Banshee Buzz LF Banshee Fast Sweep LF* Banshee Slow Sweep LF Banshee Fast Sweep LF (New) Medium Sweep LF* Continuous LF Back Up Aarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Slow Sweep HF Banshee Continuous HF Banshee Continuous HF Banshee Continuous HF Sanshee Fast Sweep HF (New) Back Up Aarm 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 800Hz to 970Hz swept at 1Hz 800Hz to 970Hz swept at 1Hz Continuous at 950Hz Itermating 800Hz/1000Hz at 1Hz 800Hz to 1000Hz swept at 0.5 secs Alternating 700Hz swept at 120Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 9Hz Intermittent az 2900Hz 1 sec on, 1 sec off* Alternating Tones 2400/2900 at 3Hz S00hz to 31Hz 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 4 5 15 15 15 15 15 15 4 4 4	Bans) 94 94 94 93 94 94 94 94 94 94 94 94 102 103 103 103 103 103 104 95 93 99	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 12 13 14 13 12 12 12 35 35 35 35 36 37 36 37 36 12 10 7	B. 85 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 87 95 94 87 87 84	anshee I 6 6 6 6 6 6 7 7 6 7 15 15 15 15 13 14 8 13 5 4 4	Excel ¹ F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
I 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	00000 1000 1000 0100 0100 01100 01100 11100 0010 11100 01010 11100 01110 01110 01110 01110 11110 0001 11100 0001 10000	Banshee Buzz LF Banshee Fast Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Buzz HF Banshee Buzz HF Banshee Stowep HF Banshee Tast Sweep HF Stow Whoop* Din Tone (DK)* French Fire Sound* Akstralian Alert Signal	B00Hz to 950Hz swept at 120Hz B00Hz to 950Hz swept at 9Hz B00Hz to 950Hz swept at 3Hz Continuous at 900Hz B30Hz 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 1000Hz at 1Hz 200Hz to 9700Hz swept at 0.5 secs Alternating Tomes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 3Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 3100Hz swept at 9Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating Tomes 2400/2900 at 3Hz S00hz rising to 1200hz owr 3 sec, silence 0.5 sec 1200Hz falling to 500Hz owr 1 sec, silence 10mS, repeat S54Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on, 0.625 sec off	4 4 4 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 94 93 94 94 94 94 94 94 94 94 103 103 103 103 103 103 103 103 95 93 90 89	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 13 14 13 12 12 12 35 35 35 35 39 6 37 36 12 10 7 6	B: 85 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 84 87 95 94 88 87 84 83	anshee F 6 6 6 6 6 6 6 6 6 7 7 4 7 7 5 15 15 15 15 15 15 13 4 8 13 5 5 5 4 3	Excel ¹¹¹ F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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 1000 1000 0100 0100 01100 01100 0010 0100 0000 1010 0000 1010 01010 1110 01010 1110 01010 1100 0000 10100 10000	Banshee Buzz LF Banshee Fast 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 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	B00Hz to 950Hz swept at 120Hz B00Hz to 950Hz swept at 9Hz B00Hz to 950Hz swept at 3Hz Continuous at 900Hz B30Hz 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 to 00Hz swept at 0.5 secs Alternating Tomes 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous 400Hz 2400Hz to 2900Hz at 3Hz S400Hz to 100Hz swept at 9Hz Intermittent at 2900Hz ^e 2450Hz to 3100Hz swept at 9Hz Intermittent at 2900Hz at 3Hz S00hz rising to 1200hz over 1 sec, 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 on, 0.625 sec off 500Hz rising to 1200Hz over 0.5 sec off 500Hz rising co 0.5 sec off for 3 phases, silence for 1.5secs and repeat 50Hz for 0.5 sec ont 0.5 sec off for 3 phases, silence for 1.5secs and repe	4 4 4 4 4 4 4 4 4 4 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 94 102 103 103 103 103 103 103 104 95 93 90 99 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 13 14 13 12 12 12 15 35 35 39 36 12 10 7 6 12 10 0 10 27	B 85 84 84 84 84 84 84 84 84 84 84 84 84 87 90 92 99 90 94 87 88 88 88 88 88 88 89 5	anshee 1 6 6 6 6 6 6 7 7 4 7 7 5 15 15 15 15 15 15 15 15 15 15 15 15 1	Excel ³⁹ F 91 90 90 90 90 90 90 90 90 90 90 90 90 90	BS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 22 22 22 22 22 22 22	00000 1000	Banshee Buzz LF Banshee Fast 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 Sow Sweep HF Banshee Sow Sweep HF Banshee Continuous 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 950Hz 2400Hz to 9700Hz at 120Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 2900Hz at 9Hz Intermittent at 2900Hz 1 sec on, 1 sec off* Alternating Tones 2400Hz 0 at 3Hz S00hz to 3100Hz swept at 9Hz Intermittent at 2900Hz 1 sec on, 2 sec, silence 0.5 sec 120Hz falling to 500Hz to 247 3.5 sec, silence 0.5 sec 120Hz falling to 500Hz to 91 sec, silence 10mS, repeat 554Hz for 100mS and 440Hz for 400mS 420Hz repeating 0.625 sec on 0.05 sec off 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 500Hz to 1200Hz sweeping, 3.75 secs on, 0.5 sec off 2900Hz for	4 4 4 4 7 7 7 4 4 4 4 4 4 4 4 4 4 4 4 4	Bans 94 94 94 94 93 94 94 94 94 94 94 94 102 103 103 103 103 103 103 103 103 103 104 95 93 90 90 90 90	hee Exc 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 17 19 18 18 17 6 5 4 4 3 6 5 5 13 3 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 12 12 12 13 14 13 35 35 39 36 12 10 7 6 12 10 7 6 12 10 0 27 6	B. 85 84 87 88 83 88 84 83 88 84 85 86	anshee I 6 6 6 6 6 6 6 6 6 6 7 7 7 6 6 7 7 6 7 7 6 7 7 5 15 15 15 15 13 14 8 8 13 5 5 4 4 6 3 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 10 11 12 13 14 15 16 17 18 19 20 21 22 22 22 22 22 22 22 22 22	00000 10000 01000 01000 10100 01100 01100 10100 10100 10100 10010 11010 10010 11010 11001 00001 11000 11000 11000 11000 11000 11000 11000 10000 11000 100000 100000 100000 100000 10000000 10000000 100000000	Banshee Buzz LF Banshee Stor Sweep LF Banshee Continuous LF Banshee Continuous LF Banshee Continuous LF Back Up Alarm LF Continuous LF Back Up Alarm LF Alternate LF Medium Sweep LF Alternate LF Banshee Suzz HF Banshee Suzz HF Banshee Suzz HF Banshee Stor Sweep HF Banshee Att Sweep HF Slow Whoop* Din Tone (DK)* French Fire Sound* Australian Alert Signal Australian Alert Signal Australian Alert Signal Stor Tone LF US Temporal Tone LF US Temporal Tone HF Swedish Tone (All Clear)	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 1Hz Continuous at 950Hz Continuous at 950Hz Intermittent at 950Hz is sec on, 1 sec off Alternating 800Hz to 970Hz swept at 0.5 secs Alternating 70ms 800/950 at 3Hz 2400Hz to 2900Hz at 120Hz 2400Hz to 2900Hz at 3Hz Continuous at 990Hz 2400Hz to 2900Hz at 9Hz 2400Hz to 1200Hz swept at 9Hz 240Hz to 1200Hz swept at 9Hz 200Hz to 1200Hz swept at 9Hz 200Hz to 1200Hz swept at 9Hz 200Hz to 1200Hz swept at 9Hz	4 4 4 4 4 7 7 7 4 4 4 4 4 4 4 4 4 4 4 4	Bans 94 94 94 94 93 94 94 94 94 94 94 94 94 102 103 103 103 103 103 104 95 93 90 89 93 103 90 91	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 12 13 14 13 12 12 12 13 35 35 35 35 36 37 36 37 36 12 10 7 6 12 10 17 6 12 10 27 6 9	B 85 84 87 88 84 83 84 83 84 83 84 83 84 83 84 83 84 84 84 84 84 84 84 84 84 86 87	anshee 1 6 6 6 6 6 6 6 6 6 7 7 7 6 6 7 7 6 7 7 5 15 15 15 15 15 15 15 15 15 15 15 15 1	Sccel [™] F 91 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 90 96 96 96 96 94 101 100 90 95 93 90 90 94 90 101 101 101 102 93 93 93	
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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.



