VoiceNav

See It. Touch It. Hear It.

Installation Manual

HILLS VOICENAV

Installation

Remove the cap that's covering the locking mechanism, this is located on the bottom of the VoiceNav. With the cap removed you now have access to the locking mechanism that secures your VoiceNav to its mounting plate. Insert a small flat head screwdriver until it is located under the locking tongue.

Whilst turning either clockwise or counter clock wise, slide the VoiceNav **down** and clear of the locking tongue, you can now remove the VoiceNav from its mounting bracket. Use the fixings supplied to secure the mounting plate to the wall. The top of the Voicenav will be 9mm above the top of mounting bracket after it is locked back in place.

9mm

Rear view showing cable header pins

FLASH UPDATE PORT

PANEL BUS
RED : POSITIVE
BLACK : NEGATIVE
BLUE : DATA

AUDIO INTERCOM LINES
GREEN / WHITE : AUDIO A
GREEN : AUDIO A
ORANGE / WHITE : AUDIO B
ORANGE : AUDIO B

Wiring Structure Note

Note: VoiceNavs must be individually addressed for correct operation. This includes code pad area number and room number.

Audio Intercom Line
2 pairs of twisted cable required
(optional)

Panel Bus
4 core 14/020

NX or Reliance Panel

Note: Both the audio line and data bus line can either be star or daisy chain wired. A maximum of 8 VoiceNav's can be configured as room stations for intercom functionality. Two pairs of twisted cable (4 conductors) are required for the audio line, one pair for audio line A and another for audio line B.

Recordings are transferred between VoiceNav's via the audio lines and accessory **S1931A 'Voicenav copy cable"** was specifically designed to transfer these recordings in installations that do not have dedicated audio cables installed, please contact your local DAS branch for further details.

The audio line is not connected to the security panel.

Advanced System Configuration

Access Main Menu
MENU

Touch Menu

>

VoiceNav Main Menu

1	Zone Bypass
2	Zone Chime
3	Event History
4	System Test
5	User Configuration
6	Phone Numbers
7	Output Control
8	Voice Message Recording
9	Basic system configuration
0	Advanced system configuration

Touch 0

>

Advanced System Configuration

Enter programming code

? ? ? ?

1	Code pad configuration
2	Panel & device configuration
3	Service provider phone number
MENU	Go back

Touch 1

Code Pad Configuration

1	Code pad number
2	Code pad area number
3	Code pad room number
4	Code pad starting zone
5	Number of hour to auto test
6	Advanced code pad configuration
7	Touch sense control
8	Reserved
9	Reserved
0	Default code pad
MENU	Go back

Touch 6

>

Advanced Code Pad Configuration

1	Code pad tamper
2	Entry / exit beeps suppression
3	Stay arming key suppression
4	Reserved
5	Status key when armed suppression
6	Emergency keys beep enable
7	Area / Zone leds
8	Multi area code pad
MENU	Go back

View area LEDs for status
On = Option is selected
Off = Option is not selected
Touch number to change

Advanced System Configuration

[**1**] <u>Code pad configuration</u>: This sub menu allows you to program the address, area and room numbers of each code pad, along with other selectable options.

[**2**] <u>Panel and device configuration</u>: This is your access point to all devices that are on the bus network, such as the control panel, radio receivers, output modules etc.

[**3**] <u>Service provider phone number</u>: This is the phone number you wish your clients to call for servicing, this number will be announced each arming and disarming cycle whilst a system fault is present.

Step	Advanced system configuration – Code pad configuration	
1.	[**MENU**]-[**0**]	Selects main menu - Option 0, **Advanced system configuration**
		◀ *Enter your code, touch menu to exit*
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Programming code
		◀ ***Touch 1 for Code Pad Configuration*** *Touch 2 for panel and device configuration* *Touch 3 to configure service provider phone number* *Touch menu to exit.*
3.	[**1**]	Selects **Code pad configuration**
		◀ *Announcement* (all code pad options are announced)
4.	[**?**]	Select one of the code pad options
next	[**MENU**]	Moves back to step 3, Advanced system configuration selection
next	[**MENU**]	Exits from Advanced system configuration.

When programming **Advanced system configuration – Code pad configuration** choose the option you wish to program from 1 to 8 at step 4. All code pads should be defaulted prior to programming (option 0)

4.	[**1**]	**Option 1 - Code pad numbering**
		◀ *Code pad number is ?, select a code pad number, touch menu to go back*
5.	[**?**]	Enter the code pad number
		◀ *Code pad number is ?, select a code pad number, touch menu to go back*
6.	[**MENU**]	Moves back to step 4, code pad option selection

4.	[2]	**Option 2 -Code pad Area number**
		◀ *Code pad area number is ?, select a code pad area number, touch menu to go back*
5.	[?]	Enter the code pad area number
		◀ *Code pad area number is ?, select a code pad area number, touch menu to go back*
6.	[**MENU**]	Moves back to step 4, code pad option selection

4.	[3]	**Option 3 - Code pad Room number**
		◀ *Code pad room number is ?, select a code pad room number to configure, touch menu to go back*
5.	[?]	Enter the code pad room number
		◀ *Code pad room number is ?, select a code pad room number to configure, touch menu to go back*
6.	[**MENU**]	Moves back to step 4, code pad configuration

4.	[4]	**Option 4 - Code pad Starting Zone**
		◀ *Code pad starting zone is ?, select a code pad starting zone followed by enter, touch menu to go back*
5.	[?] [**ENTER**]	Enter the code pad starting zone
		◀ *Code pad starting zone is ?, select a code pad starting zone followed by enter, touch menu to go back*
6.	[**MENU**]	Moves back to step 4, code pad option selection

4.	[5]	**Option 5 - Number of hours to Auto Test**
		◀ *Hours before next auto test is ?, select hours before next auto test followed by enter, touch menu to go back.*
5.	[?] [**ENTER**]	Enter the hours till next auto test
		◀ *Hours before next auto test is ?, select hours before next auto test followed by enter, touch menu to go back.*
6.	[**MENU**]	Moves back to step 4, code pad option selection

4.	[6]	Option 6 - Advanced code pad Configuration
		◀ *Code pad option ? is enabled, code pad option ?is enabled Select from options 1 to 8 for advanced code pad configuration, touch menu to go back.*
5.	[?]	Toggle options 1 to 8 On or Off
		◀ *Code pad option ? is enabled / disabled, code pad option ?is enabled Select from options 1 to 8 for advanced code pad configuration, touch menu to go back.*
	👁	View area LEDs for option selection confirmation. Refer table below for descriptions.
6.	[MENU]	Moves back to step 4, code pad option selection

Advanced code pad configuration options.			
①	Enable code pad tamper switch	⑤	Status key read message when armed suppression
②	Entry / exit beeps suppression	❻	Enable three second beeps on emergency keys before alarm
③	Stay arming key suppression	⑦	Enable Zone Leds 1 – 8 in lieu of area Leds 1 - 8
④	Reserved	⑧	Enable multi area code pad

4.	[7]	Option 7 - Touch sense control (see note below)
		◀ *Touch sensitivity is ?, select sensitivity from 51 to 255 followed by enter, touch menu to go back.*
5.	[?] [ENTER]	Enter the required sensitivity level. 51 = more sensitive, 255 = less sensitive
		◀ *Touch sensitivity is ?, select sensitivity from 51 to 255 followed by enter, touch menu to go back.*
6.	[MENU]	Moves back to step 4, code pad option selection

4.	[0]	Option 0 - To Default code pad
		◀ *Touch mute to confirm, touch menu to exit.*
5.	[MUTE]	Selects to Defaults code pad. **WARNING** this will default the code pad you are currently programming.
	automatically	Moves back to step 4, code pad option selection

All VoiceNavs must be individually addressed for proper security operation and must have individual room numbers assigned to enable intercom functionality.

Option 7, touch sense control, is the sensitivity setting for the VoiceNav to go from idle mode to run mode on the first touch. The setting options are from 51 milliseconds to 255 milliseconds, 51 being more sensitive and 255 being less sensitive. The default setting is set to 150 milliseconds

Run mode sensitivity is fixed at 50 milliseconds.

Panel and Device Configuration

Step	**Advanced system configuration – Panel and device configuration**	
1.	[**MENU**]-[**0**]	Selects main menu - Option 0, Advanced system configuration
		◀ *Enter your code, touch menu to exit.*
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Programming code
		◀ *Touch one for code pad configuration, touch two for panel and device configuration, touch three to configure service provider phone number, touch menu to exit.*
3.	[**2**]	Selects Panel and device configuration
		◀ *Select a device number followed by enter, touch menu to go back.*
4.	[**?**] [**ENTER**]	Select the device you wish to program
		◀ *Selected device? is connected, select a feature number followed by enter, touch menu to go back.*
5.	[**MENU**]	Moves back to step 4, select a device number
6.	[**MENU**]	Moves back to step 3, Advanced system configuration selection.
7.	[**MENU**]	Exits from Advanced system configuration.

When in device programming

Feature number then [ENTER], to move to the feature you wish to program.
Touch [MENU] to accept changes and move to the next segment
Touch [ENTER] to exit the feature
Touch [MENU] three times to exit device programming.

Service provider phone number

Step	**Advanced system configuration – Service provider phone number**	
1.	[**MENU**]-[**0**]	Selects main menu - Option 0, Advanced system configuration
		◀ *Enter your code, touch menu to exit.*
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Programming code
		◀ *Touch 1 for Code Pad Configuration* *Touch 2 for panel and device configuration* ***Touch 3 to Configure Service Provider Phone Number*** *Touch menu to exit.*
3.	[**3**]	Selects service provider phone number.
		◀ *Service provider phone number is disabled, select a new service provider phone number followed by enter, touch menu to go back.*
4.	**Phone Number**	Enter the service provider phone number
5.	[**ENTER**]	Accepts the phone number entered.
		◀ *Service provider phone number is enabled as* Phone number*, select a new service provider phone number followed by enter, touch zero followed by enter to disable service provider phone number, touch status to review service provider phone number, touch menu to go back.*
6.	[**MENU**]	Moves back to step 3, Advanced system configuration selection.
7.	[**MENU**]	Exits from Advanced system configuration.

Quick VoiceNav programming guide

Default code pad

[**MENU**] [**0**] > [Programming code] > [**1**] [**0**] > [**MUTE**] > [**MENU**] > [**MENU**]

Record user names ▶))   Speak to record, 2.0 seconds recording time

[MENU] [8] > [Master code] > [3] > [1] [ENTER]

← [TALK]	▶))	[ENTER]	User 1
← [TALK]	▶))	[ENTER]	User 2
← [TALK]	▶))	[ENTER]	User 3
← [TALK]	▶))	[ENTER]	User 4
← [TALK]	▶))	[ENTER]	User 5
← [TALK]	▶))	[ENTER]	User 6
← [TALK]	▶))	[ENTER]	User 7
← [TALK]	▶))	[ENTER]	User 8

Touch [MENU] [MENU] to exit

Record zone names ▶))   Speak to record, 2.7 seconds recording time

[MENU] [8] > [Master code] > [4] > [1] [ENTER]

← [TALK]	▶))	[ENTER]	Zone 1
← [TALK]	▶))	[ENTER]	Zone 2
← [TALK]	▶))	[ENTER]	Zone 3
← [TALK]	▶))	[ENTER]	Zone 4
← [TALK]	▶))	[ENTER]	Zone 5
← [TALK]	▶))	[ENTER]	Zone 6
← [TALK]	▶))	[ENTER]	Zone 7
← [TALK]	▶))	[ENTER]	Zone 8

Touch [MENU] [MENU] to exit

To copy recorded messages from one VoiceNav to another, requires the connection of the audio line between VoiceNavs

Domestic dial phone numbers 1, 2 and 3.

[MENU] [6] > [Master code]

[**1**]	[Phone number one	]	[**ENTER**]	> [**MENU**]
[**2**]	[Phone number two	]	[**ENTER**]	> [**MENU**]
[**3**]	[Phone number three	]	[**ENTER**]	> [**MENU**]

Touch [MENU] [MENU] to exit

Voice Library

1	One	39	Boat	77	Gun	115	Remote
2	Two	40	Cabinet	78	Hall	116	Roof
3	Three	41	Car park	79	Hallway	117	Room
4	Four	42	Ceiling	80	Heat	118	Rumpus
5	Five	43	Cellar	81	Heating	119	Safe
6	Six	44	Child's	82	Hold-up	120	Security
7	Seven	45	Alert	83	Home	121	Sensor
8	Eight	46	Closet	84	Home theatre	122	Shed
9	Nine	47	Computer	85	Infrared	123	Shock
10	Ten	48	Cool	86	Inside	124	Shop
11	Eleven	49	Curtain	87	Instant	125	Side
12	Twelve	50	Data	88	Interior	126	Skylight
13	Thirteen	51	Den	89	Key switch	127	Sliding
14	Fourteen	52	Detector	90	Keychain	128	Small
15	Fifteen	53	Dining	91	Kitchen	129	Smoke
16	Sixteen	54	Door	92	Large	130	South
17	Seventeen	55	Downstairs	93	Laundry	131	Stairs
18	Eighteen	56	Driveway	94	Lift	132	Storage
19	Nineteen	57	Duress	95	Light	133	Study
20	Twenty	58	East	96	Living	134	Temperature
21	thirty	59	emergency	97	location	135	tennis
22	forty	60	Exterior	98	Master	136	Toilet
23	Fifty	61	Family	99	Medicine	137	Training
24	Sixty	62	Fan	100	Meeting	138	T V
25	Seventy	63	Fence	101	Motion	139	Upstairs
26	Eighty	64	Fire	102	Night	140	User
27	Ninety	65	Forced, arm	103	North	141	Utility
28	Hundred	66	Foyer	104	Nursery	142	Volt
29	Thousand	67	Freezer	105	Office	143	Veranda
30	Air conditioner	68	Front	106	Output	144	Wall
31	Area	69	Games	107	Outside	145	Warehouse
32	Attic	70	Garage	108	Panic	146	Water
33	Automatic	71	Gas	109	Pantry	147	West
34	Auxiliary	72	Gate	110	Partial	148	Window
35	Back	73	Glass	111	Perimeter	149	Windows
36	Basement	74	Glass break	112	Pool	150	Wireless
37	Bathroom	75	Ground	113	Rear	151	Yard
38	Bedroom	76	Guest	114	Reception	152	Zone
						153	Gym

Cable Requirements

Panel bus:
Maximum total wire run is 800 meters using 14/020 cable, 3 cores required. These numbers are for one code pad at the end of the wire. When connecting more than one code pad to the end of the wire, a higher gauge wire or a reduction in total wire distance will be required. Star or daisy chain wiring configuration allowed.

Audio line:
Note: Both the audio line and data bus can either be star or daisy chain wired. A maximum of 8 VoiceNavs can be configured as room stations for intercom functionality. Two pairs of twisted cable (4 conductors) are required for the audio line, one pair for audio line A and another for audio line B. Maximum total wire run is 100 meters using 2 x twisted pairs. Star or daisy chain wiring configuration allowed.

Note: additional power required pending total current draw of system.

Code pad Number	AREA Number							
	1	2	3	4	5	6	7	8
1	192	193	194	195	196	197	198	199
2	200	201	202	203	204	205	206	207
3	208	209	210	211	212	213	214	215
4	216	217	218	219	220	221	222	223
5	224	225	226	227	228	229	230	231
6	232	233	234	235	236	237	238	239
7	240	241	242	243	244	245	246	247
8	248	249	250	251	252	253	254	255

Specifications

OPERATING POWER   12VDC Regulated

OPERATING TEMPERATURE   0 to 50 Degrees Celsius

CURRENT DRAW   140mA Maximum
                                                 110mA without Voice
                                                 (Averaged over 200ms)

VOICENAV DIMENSIONS   W 80mm
                                                 H 120mm
                                                 D 16mm

SHIPPING WEIGHT   100grams

When installed as directed, this product conforms to the standards set by Standards Australia on behalf of the Australian Communications Authority (ACA)

N3094

Hills
Electronic Security
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