



# NX-181xx NetworX Voice keypad with touch buttons User Manual

**Copyright** © 2015 UTC Fire & Security Americas Corporation, Inc.  
All rights reserved.

This document may not be copied in whole or in part or otherwise reproduced without prior written consent from UTC Fire & Security Americas Corporation, Inc., except where specifically permitted under US and international copyright law.

**Trademarks and patents** The NX-181xx name and logo are trademarks of UTC Fire & Security Americas Corporation, Inc.

Other trade names used in this document may be trademarks or registered trademarks of the manufacturers or vendors of the respective products.

**Manufacturer** Placed on the market by:  
UTC Fire & Security Americas Corporation, Inc.  
3211 Progress Drive, Lincoln, NC, 28092, USA

Authorized EU manufacturing representative:  
UTC Fire & Security B.V.  
Kelvinstraat 7, 6003 DH Weert, Netherlands

**FCC compliance** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

You are cautioned that any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NFPA 72** Check local ordinances, this device is not listed by an approved test lab to meet NFPA 72 and therefore may not be sold or installed for use with a fire system in some localities.

**EU compliance** 

**EU directives** UTC Fire & Security hereby declares that this device is in compliance with the applicable requirements and provisions of one or more of the Directives 1999/5/EC, 2014/30/EU and 2014/35/EU. For more information see: [www.utcfireandsecurity.com](http://www.utcfireandsecurity.com) or [www.interlogix.com](http://www.interlogix.com)



**2012/19/EU (WEEE directive):** Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).



**2006/66/EC (battery directive):** This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

**Contact information** [www.utcfireandsecurity.com](http://www.utcfireandsecurity.com) or [www.interlogix.com](http://www.interlogix.com)

**Customer support** [www.interlogix.com/customer-support](http://www.interlogix.com/customer-support) or [www.utcfssecurityproducts.eu](http://www.utcfssecurityproducts.eu)

# Content

<b>Important information</b>	<b>4</b>
Limitation of liability	4
Advisory messages	4
Warranty	4
<b>Introduction</b>	<b>5</b>
<b>Glossary of terms</b>	<b>7</b>
<b>The NX-181xx</b>	<b>8</b>
Legend	8
Indicators, Icons and Lights	9
Away Arming	10
Stay Arming	10
Disarming	11
Multi Partition Arming – “Away mode”- All Partitions	11
Multi Partition Arming – “Away Mode”- Single Partitions	12
Multi Partition Disarming – “All Partitions”	12
Intercom Room Calling	13
Emergency Activation Keys	13
<b>Understanding the Main Menu</b>	<b>14</b>
Controlling Zone Bypasses – Menu 1	14
Control The Zone Chime – Menu 2	15
System Event History – Menu 3	16
System Test – Menu 4	17
User Configuration – Menu 5	19
Phone Number Configuration – Menu 6	21
Output Control – Menu 7	22
Voice Message Recording – Menu 8	23
Basic System Configuration – Menu 9	24
Understanding the Mute Menu	27
<b>Word Library</b>	<b>30</b>

# Important information

## Limitation of liability

To the maximum extent permitted by applicable law, in no event will UTCFS be liable for any lost profits or business opportunities, loss of use, business interruption, loss of data, or any other indirect, special, incidental, or consequential damages under any theory of liability, whether based in contract, tort, negligence, product liability, or otherwise. Because some jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages the preceding limitation may not apply to you. In any event the total liability of UTCFS shall not exceed the purchase price of the product. The foregoing limitation will apply to the maximum extent permitted by applicable law, regardless of whether UTCFS has been advised of the possibility of such damages and regardless of whether any remedy fails of its essential purpose.

Installation in accordance with this manual, applicable codes, and the instructions of the authority having jurisdiction is mandatory.

While every precaution has been taken during the preparation of this manual to ensure the accuracy of its contents, UTCFS assumes no responsibility for errors or omissions.

## Advisory messages

Advisory messages alert you to conditions or practices that can cause unwanted results. The advisory messages used in this document are shown and described below.

---

**WARNING:** Warning messages advise you of hazards that could result in injury or loss of life. They tell you which actions to take or to avoid in order to prevent the injury or loss of life.

---

---

**Caution:** Caution messages advise you of possible equipment damage. They tell you which actions to take or to avoid in order to prevent the damage.

---

**Note:** Note messages advise you of the possible loss of time or effort. They describe how to avoid the loss. Notes are also used to point out important information that you should read.

## Warranty

UTC Fire & Security Americas Corporation, Inc. guarantees this product against defective parts and workmanship for twenty-four (24) months from the date of purchase. If any defect appears during the warranty period contact your service provider. UTC Fire & Security Americas Corporation, Inc. assumes no liability for consequential or indirect damage, and accepts no responsibility for repairing

damage to the product caused by misuse, careless handling, or where repairs have been made by others.

No other guarantee, written or verbal, is authorized by UTC Fire & Security Americas Corporation, Inc.

## Introduction

Your NX-181xx is an intuitive interface for users of your security system. Utilizing the latest in touch screen technology, and coupled with a powerful onboard microprocessor, and inbuilt phrase library, your NX-181xx delivers the most user friendly experience for controlling a security system available today. Its voice prompts enabling even the newest users to utilize the full power of your security system, without the need of constantly referencing back to this instruction booklet. You can also customize your NX-181xx with personalized recordings of user names, zone names, partition names, and even room names when you utilize the onboard intercom functionality. How about leaving a message for the next person entering the premises, or a reminder message when exiting the premises, it's that easy.

We trust that you will enjoy your NX-181xx, and we would like to thank you for choosing a NetworX system.

All users of your security system should read and follow the instructions and precautions in this manual before operating your security system. Failure to do so could result in the security system not working as intended.

This manual should be kept in an accessible location for the life of the security system. If you do not understand any part of this manual, you should ask your service provider for further clarification. Read the entire manual and if possible, practice on the NX-181xx whilst your security provider is on site.

Your security system can be turned on (armed) and off (disarmed) by entering a 4 or 6 digit code on the touch screen of your the NX-181xx.

You may be able to turn on (arm) your security system by simply touching the [Away] key. Check with your security provider to see if this feature has been enabled.

The system must always be turned off (disarmed) using a 4 or 6 digit code.

Do not apply excessive force on the touch screen as this could cause damage to the unit. Touch the screen gently, using the flat part of your finger to activate the keys.

Your NX-181xx is equipped with 5 indicator icons, 8 partition led's, 3 emergency keys, a [MENU] key, and an [ENTER] key, along with the normal numeric digits 0–9. All these indicators are aided by voice prompts on how to use the system and specific information relating to the status of your security system is also announced. Understanding what the lights mean, and listening to the instructions announced will help you to easily operate your security system.

Keep in mind, the level of security you will obtain with this system relates specifically with two major factors:

- The quantity, quality, and placement of security devices attached to this security system.
- The knowledge you have of the security system and how that knowledge is utilized in a weekly test of the complete system.

This product is to be installed by qualified SERVICE PERSONNEL only

The equipment should only be operated with an approved power adapter with insulated live pins.

---

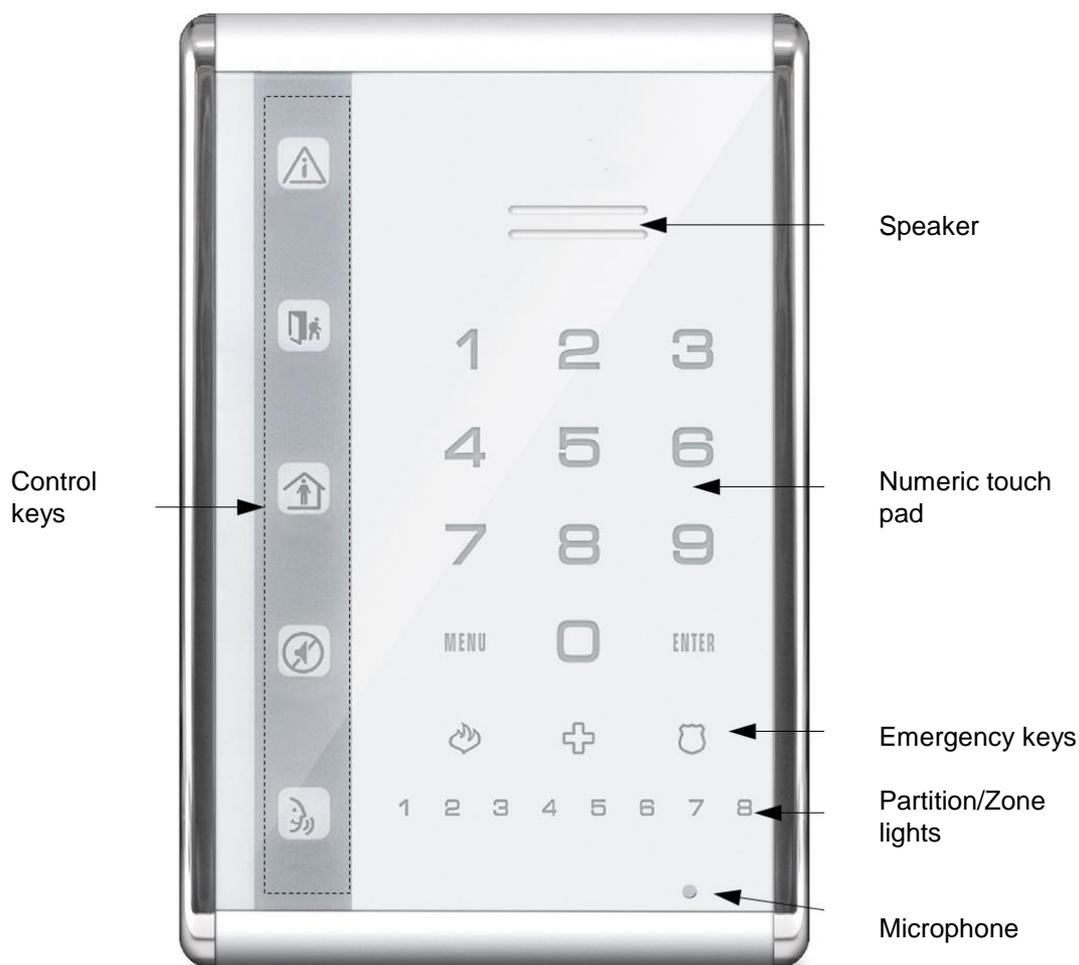
**Caution:** Risk of explosion if battery is replaced by an incorrect type. Dispose of batteries according to the instructions. Contact your service provider for replacement batteries.

---

# Glossary of terms

Authority Level	The level of access assigned to a users pin code.
Arm	To turn your security system On.
Partition	A group of zones within the security system configured with individual control. Users of the security system are assigned partitions that they are allowed to control.
Away Mode	To turn your security system on when you are leaving the premises.
Central Station	Location where alarm signals are sent during an alarm report.
Chime Mode	An operational mode that will emit a beep at the keypad when specific zones are activated.
Chime Group	All the zones that will activate chime, when in chime mode.
Communicator	The device that communicates alarm signals generated from your security system to your central station.
Duress Code	A predetermined user pin code that will arm / disarm the security system whilst sending a special code to the central station indicating the user is entering / leaving the premises under duress. Only applicable on monitored systems.
Disarm	To turn your security system Off.
Exit delay	The time allowed to exit the premises after the security system is armed.
Entry delay	The time allowed to disarm your security system after the first detection device has been activated.
Forced Arming	An option that allows certain zones not to be secure when arming. A security system that is ready to be "force armed" will flash the corresponding partition light green. Generally assigned to detection devices that cover the NX-181xx (e.g., motion sensors, front door reed switches), allowing the user to arm the security system without the need to wait for those zones to be secure.
Master Code	A four (4) or six (6) digit pin code that is used by a user to arm or disarm the security system. Its main feature is the ability to create, alter and delete user pin codes. Can also be used as a function code for all features. NOTE: Your security system may have either four (4) digit pin codes or six (6) digit pin codes, but not a mixture of both.
Monitored	A security system that is configured to send all alarm signals to a central station.
Outputs	Where external devices are configured. These devices can be controlled from your security system.
Perimeter	The outer edge of the protected partition, i.e., doors and windows
Quick Arm	An option that allows you to turn on (ARM) the security system by touching the [AWAY].
Self Monitored	A security system that is programmed to send alarm signals to a private phone number. Not all features are available with a self-monitored system.
Stay Mode	To turn your security system on when you are staying in the premises, this will automatically bypass pre programmed zones and arm others. Mainly utilized for arming just the perimeter of the premises.
Service Provider	The installation / maintenance company servicing your security system.
User Code	A four (4) or six (6) digit pin code that is used by a user to arm or disarm the security system. Also can be used as a function code for certain features. <b>Note:</b> A system may have either four (4) digit pin codes or six (6) digit pin codes, but not a mixture of both.
Zone	Location on your security system where a detection device is connected.

# The NX-181xx



## Legend

	There is vital visual information for you to review.
	See additional information.
[2]	Touch the corresponding number on the numeric section of the touch screen.
	Start your recording.
	Touch the corresponding key on the touch screen.
[5]-[ENTER]	Touch the corresponding number on the numeric section of the touch screen, then touch the enter key.
[?]-[?]-[?]-[?]	Enter the required code on the numeric section of the touch screen.
	Exit the premises, or walk-test the motion sensors.

## Indicators, Icons and Lights



Green	System is ready.
Yellow	System message present.
Red (flashing)	One or more zones are in alarm condition.
Red (steady)	System trouble message present.

To hear system messages, touch the status key. For example, if the status icon is lit red (steady), there is a system fault present, this fault will now be announced. If you are unable to clear a fault, you will need to contact your service provider.



Off	Partition is not ready to arm "AWAY."
Green	Partition is ready to arm.
Green (flashing)	Partition is ready for forced arming.
Red	Partition is armed in the "AWAY" mode.

\*If both the stay and away keys are off, this NX-181xx has multi partition control and a pin number must be entered to gain partition control.



Off	Partition is not ready to stay arm, check zones
Green	Partition is ready to arm.
Green (flashing)	Partition is ready for forced arming.
Red	Partition is armed in the "STAY" INSTANT mode.
Yellow	Partition is armed in the "STAY" mode.

\*If both the stay and away keys are off, this NX-181xx has multi partition control and a pin number must be entered to gain partition control.



Red	Mute menu is accessible.
Off	Mute menu is not accessible.

Touch the mute icon to access the mute menu.

Touching mute during a system message announcement will cease the message playing.



Red	Intercom functionality enabled. Also indicates ready to record voice message in main menu 8, voice message recording.
Green (flashing)	Copying recordings from one NX-181xx to another.
Off	Intercom functionality is disabled

**MENU** Access main menu, and when prompted allows users to exit sub menus.

**ENTER** Enters selected option, use when prompted

Partition LEDs 1 - 8	Green	Partition ready, all zones are secure
	Green flashing	Partition ready, force arm zones are not secure
	Red	Partition armed in the away mode

Red flashing	Partition in alarm
Red rapid flashing	Indicates connected room station when intercom function is active.
Yellow	Partition armed in the stay mode
Off	Partition not ready, zone / zones are not secure

## Away Arming

Away arming is used when you are leaving and you want the premises protected in your absence. If your service provider has enabled the “forced arming” feature, you will be able to arm your security system with pre-programmed zones not secure. Ideal for systems that have entry / exit doors fitted with door contacts, allowing you to arm your system with the door opened, and protecting the door after its closed. Your NX-181xx will announce all zones that are not secure when armed. You may arm your system by entering your 4 or 6 digit user pin code, or if your service provider has enabled the quick arm feature, you can simply touch the Away key.

---

### Step How to: Arm your system in the “Away Mode”

---

1. Close all protected doors and windows, ensure everyone has left the premises.



Ensure the status light is lit green.

2.  Touch [Away].

OR

[?]-[?]-  
[?]-[?]

Enter your 4 or 6 digit user pin code.

3.  Vacate the premises immediately.
- 

## Stay Arming

Stay arming is used when you are staying in the premises and wish to arm certain zones and bypass others IE: Arming the perimeter of the premises, whilst automatically bypassing all the internal motion sensors. If an armed zone is alarmed whilst your security system is in the stay mode, it will initiate a warning tone at your NX-181xx, your sirens will sound at the end of this warning. Your service provider predetermines this warning time at the time of installation.

---

### Step How to: Arm your system in the “Stay Mode”

---

1. Close all protected doors and windows. If motion sensors are included in your “stay mode” have everyone move out of those partitions.



Ensure the status light is lit green.

2.  Touch [Stay].

3.  Your security system is now armed in the stay mode.

## Disarming

Make your way to the NX-181xx through one of the designated entry / exit doors. When you are detected entering, your NX-181xx will repeat a warning message for the duration of the entry delay until a valid pin code is entered. Your sirens and communicator will activate at the end of the entry delay time if a valid pin code is not entered. Away and Stay modes can be configured with different entry delay times, ask your service provider for further details.

---

Step	How to:	Disarm your system from either the “away” or “Stay” Modes
------	---------	---

---

1. Enter the premises through your designated entry doors. If your security system has been designed to detect your presence when making your way to the NX-181xx, a warning message reminding you to turn off your security system will now commence. If your presence is not detected, no warning message is announced, simply enter your 4 or 6 digit user pin code at your NX-181xx

2. 

[?]-[?]-	Enter your 4 or 6 digit user pin code to disarm from either the away or stay arming modes.
[?]-[?]	



Your system is now disarmed from either the Away or Stay modes.

---

## Multi Partition Arming – “Away mode”- All Partitions

Partitions, also known as areas, are groups of zones that can be controlled independently. your system can be configured with up to eight partitions, the individual partition condition is indicated at the bottom of your NX-181xx. The authorization level assigned to a user governs which partitions a user can control, which means when they enter their pin code, only those partitions assigned to that user will be selectable. To have trouble free multi partition control, listen and follow all the voice prompts carefully.

---

Step	How to:	Arm all partitions in a multi partition system in the “Away Mode”
------	---------	---

---

1. Close all protected doors and windows, ensure everyone has left the premises.



Ensure the status light is lit green

2. 

[?]-[?]-[?]-[?]	Enter your 4 or 6 digit user pin code.
-----------------	--

3.  Touch [Away]

4. [MENU] Touch menu to exit (Optional)

5.  Vacate the premises immediately

## Multi Partition Arming – “Away Mode”- Single Partitions

Independent partition control adds an enormous amount of flexibility to your security system and your NX-181xx makes it simple to control. You may wish to arm one partition in the away mode and disarm another partition, whilst arming a third in the stay mode. Just follow the voice prompts and make your selection.

Step	How to:	Arm partition 1 and partition 2 only, in a multi partition system in the “Away Mode”.
1.		Close all protected doors and windows, ensure everyone has left the partitions you wish to arm.
		Ensure the partition lights of the partitions you wish to arm are lit solid green, indicating all zones in those partitions are secure, or flashing green indicating all zones are secure apart from forced armed zones.
2.	[?]-[?]- [?]-[?]	Enter your 4 or 6 digit user pin code.
3.	[1]	Selects partition 1.
4.		Arms partition 1 in the away mode.
5.	[2]	Selects partition 2.
6.		Arms partition 2 in the away mode.
7.	[MENU]	Touch menu to exit (optional.)
8.		Vacate the partitions being armed immediately.

## Multi Partition Disarming – “All Partitions”

Make your way to the NX-181xx through one of the designated entry / exit doors. When you are detected entering, your NX-181xx will repeat a warning message for the duration of the entry delay until a valid pin code is entered. Your sirens and communicator will activate at the end of the entry delay time if a valid pin code is not entered. Away and Stay modes can be configured with different entry delay times, ask your service provider for further details.

**Note:** Only the partition where the delay entry time is running will be disarmed, all other armed partitions will remain armed.

Step	How to:	Disarm all partitions in a multi partition system
1.		Enter the premises through your designated entry door. If your security system has been designed to detect your presence when making your way to the NX-181xx, a warning message reminding you to turn off your security system will now commence. If your presence is not detected, no warning message is announced, simply enter your 4 or 6 digit user pin code at your NX-181xx. The following example is for systems that are designed to detect your presence on entry.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit user pin code



Your system is now disarmed from either the Away or Stay modes.

The partition that you have entered into is now disarmed, **ONLY** proceed with steps 3 and 4 if you wish to disarm all other partitions:

- |    |                     |                                       |
|----|---------------------|---------------------------------------|
| 3  | [?]-[?]-[?]-<br>[?] | Enter your 4 or 6 digit user pin code |
| 4. | [0]                 | Turns off all remaining partitions    |

## Intercom Room Calling

Up to eight NX-181xx Voice keypads can be configured to deliver room-to-room or global calling (ability to call all rooms simultaneously) intercom functionality. When NX-181xx Voice keypads are used as intercoms, they are referred to as room stations.

Step	How to:	Call an individual room station. In this example the receiving room station has Voice annunciation and Automatic room answering enabled.
------	---------	--

- |  |   |   |
|--|---|---|
| 1.   |   | Touch [TALK] to start intercom session.   |
| 2.   | [?]   | Enter the room number you wish to call (or Touch [ 0 ] to call all rooms, also known as global calling) |
| Once you are connected, you may proceed to step 3. |   |   |
| 3.   |  | Touch and hold the talk key to speak, release to listen   |
| 4.   | [MENU]  | Touch menu to exit  |

## Emergency Activation Keys

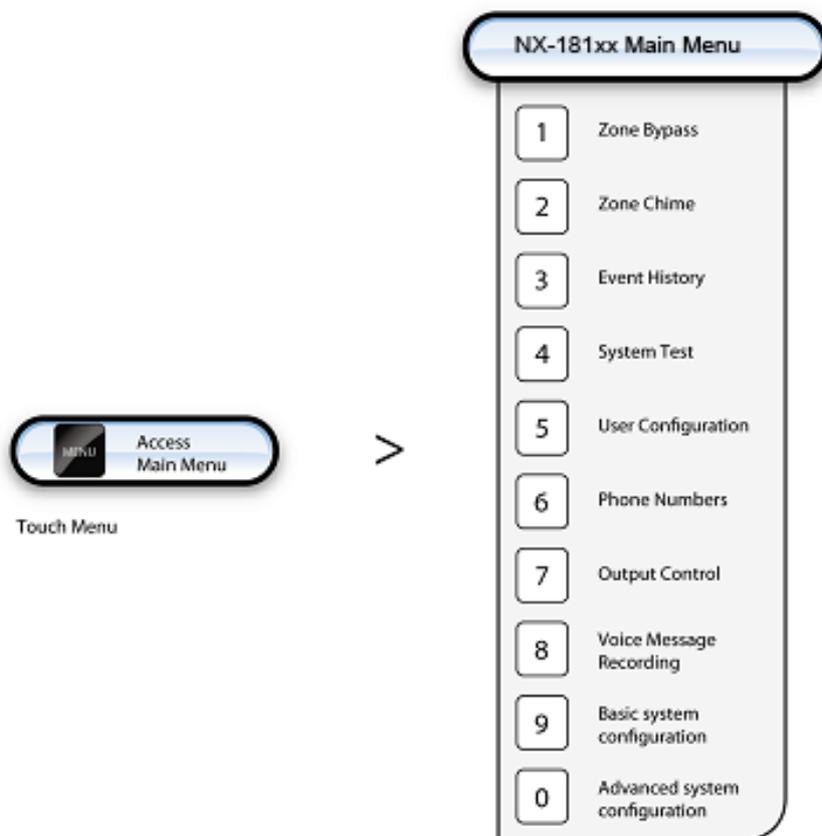
Three (3) emergency icons are available via your NX-181xx to provide personal support in areas of: Medical, Police (duress) and Fire alarm. To activate these functions touch the required key for two seconds. You should only touch these keys in an emergency situation that requires a response by a central station. Check with your service provider to find out if your security system has these function keys enabled and clarify what responses, if any, will be provided upon activation.



- | Step | How to:         | Cancel an emergency activation        |
|------|-----------------|---------------------------------------|
| 1.   | [?]-[?]-[?]-[?] | Enter your 4 or 6 digit user pin code |

# Understanding the Main Menu

Touching the [MENU] key accesses the NX-181xx's main menu, here you will find the 10 main features used for customization and setup of your security system. With its inbuilt intuitive voice prompts aiding you through all menus, using your NX-181xx is enjoyable and easy. From the moment you touch the menu key, your NX-181xx immediately starts to instruct you on what to do next, simply select the option you wish to access and follow the voice prompts.



## Controlling Zone Bypasses – Menu 1

The zone bypass menu is used to bypass (isolate) selected zones in your security system. A bypassed zone is not capable of activating an alarm, as it is temporarily removed from your system. This option is commonly used to bypass zones that require service, or zones that you wish to temporarily add to your “stay mode”. Whilst still offering security on the remaining zones, bypassing zones lowers your level of security and caution should be exercised. All bypassed zones are reset and cleared from memory when your security system is next armed / disarmed. Your security system must be disarmed (turned off) before being able to bypass zones. After bypassing your selected zones, your security system must be armed (turned On) in either the away or stay mode to secure the remaining zones.

## How to: Bypass a single zone

Step	Example:	How to bypass zone 5
1.	[MENU] - [1]	Selects main menu - Option 1, To control zone bypass
2.	[5] - [ENTER]	Selects zone 5.
		Note: If your zone number is higher than single digit, enter the 1, 2 or 3 digits indicating the zone you wish to select followed by enter at step 2. For example, touch [1]-[2]-[8] [ENTER] for zone 128.
3.	[0]	Toggles zone 5 from un-bypassed to bypassed state (or if already bypassed, from bypassed to un-bypassed.)
4.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....".)
5.	[MENU]	Touch menu to exit.

**Note:** Touch status to check bypassed zones, or simply arm your security system and all bypassed zones will be announced automatically.

## Control The Zone Chime – Menu 2

You can setup your NX-181xx so that it will “beep” when programmed zones are tripped or activated, this is called chime. Chime mode does not trigger any alarms, and is only used as a low level alert such as a customer entry door. You can add and delete zones from the “chime group” offering a very flexible chime mode feature. The zones you have selected to be in the “chime group” stay in memory and are not cleared when the security system is armed and disarmed.

### How to: Control chime mode

Step	Example:	Turning On / Off Chime Mode
1.	[MENU] - [2]	Selects main menu - Option 2, Chime Mode.
2.	[0]	Toggles chime mode On / Off
3.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....".)
4.	[MENU]	Touch menu to exit

### How to: Add a zone to the chime group

Step	Example:	Adding zone 4 chime group
1.	[MENU] - [2]	Selects main menu - Option 2, Chime Mode.
2.	[4] - [ENTER]	Selects zone 4.
		<b>Note:</b> If your zone number is higher than single digit, enter the 1, 2 or 3 digits indicating the zone you wish to select followed by enter at step 2. For example, touch [1]-[2]-[8] [ENTER] for zone 128.

3.	[0]	Set / Unset chime to this zone and adds it to the chime group
4.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....".)
5.	[MENU]	Touch menu to exit.

## System Event History – Menu 3

The Event History menu is used to listen to the last 185 events that occurred in your security system. These events are held within your security system, and include events such as, arming, disarming, system faults and alarmed zones. All events are time date stamped so ensure your clock is set correctly in menu 9. Alarm memory is a quick recall of the last zone(s) that caused your security system to go into alarm condition.

### How to: View alarm memory

Step	Example:	To review the zone / zones that caused the last alarm condition
1.	[MENU] - [3]	Selects main menu - Option 3, Event History.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code
3.	[1]	To reviews last alarm memory
4.	[MENU]	Moves back to alarm memory / event history selection
5.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....".)
6.	[MENU]	Touch menu to exit

### How to: Review event history

Step	Example:	To review events held within your security system (up to 185 events are stored)
1.	[MENU] - [3]	Selects main menu - Option 3, Event History.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[2]	To reviews last alarm memory.  Touch [Enter] for next event, touch [0] for previous event, touch [Menu] to go back.
4.	[MENU]	Moves back to alarm memory / event history selection
5.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....".)
6.	[MENU]	Touch menu to exit.

**Note:** To simplify reviewing of alarm memory or system event history, first record user names, zone names, outputs and partition names in menu 8 – Recordings. Your NX-181xx will now announce all these events by name.

## **System Test – Menu 4**

Your security system is made up of different components, brought together to produce a very powerful, yet easy to use security system. These components are your noisemakers, communicator, back up battery and detection devices. All these different components require regular testing and maintenance in order for them to remain in peak operational performance. These components can be tested from this menu, and should be scheduled for a weekly test. Failure to conduct regular testing can result in system failure when most required. The four available system tests are:

### **Siren Test**

The Sirens are used as audible deterrents in the event of your security system activating. As this test sounds all the audible devices connected to your security system, it is advisable to notify neighbours and other persons within the premises prior to activating this test.

### **Communicator Test**

The Communicator is located within your security system. The communicator, (if enabled), is the device that communicates with a central station who analyse all the incoming alarm signals and engage the appropriate responses / services dependant on the type of alarm signals received. Alternatively the communicator can be enabled to call an alternate phone number, like a mobile phone, this is sometimes called self-monitoring or domestic dialing. When testing your communicator, no sirens will sound and a test message will be sent to the central station for confirmation of the test. If self monitored, the person answering the number programmed in your security system will hear a siren sound when they answer the phone. Contact the central station and any person whose phone numbers are programmed in the system prior to activating this the communicator test. The communicator test is only available if your security system has been setup to dial a central station, or enabled for domestic dialing.

### **Battery Test**

The backup battery is housed within your security systems main control box and provides power when mains power has been interrupted. Prolonged operation on the backup battery will result in total system failure so the condition of the battery is critical to sustain the power required for the longest period of time. It is recommended to change your battery at periodical intervals, please refer to your service provider for further information. This feature is used to test the condition of your back up battery.

### **Zone Walk Test**

Zone Walk test is used to test the connectivity between your alarm devices IE: motion sensors, door contacts etc, and your security system. When in walk test mode your NX-181xx will emit the chime “beep” each time a zone is activated, and chirp the outside siren. Partition Lights will also blink red after a detection device in that partition has been activated. You must exit Walk Test mode when

you are satisfied all the zones function correctly. Your communicator will not function during this test.

Step	How to:	Perform a siren test
1.	[MENU] - [4]	Selects main menu - Option 4, System Test.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[1]	Selects the siren testing. External and internal sirens will sound.
4.		To stop sirens (within 30 seconds).
5.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
6.	[MENU]	Touch menu to exit.

Step	How to:	Perform a communicator test
1.	[MENU] - [4]	Selects main menu - Option 4, System Test.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[2]	Selects communicator test.
4.	[MENU]	Moves back to component test selection. (step 3).
5.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
6.	[MENU]	Touch menu to exit.

Step	How to:	Perform a battery test
1.	[MENU] - [4]	Selects main menu - Option 4, System Test.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[3]	Selects battery test.
4.	[MENU]	Moves back to component test selection (step 3).
5.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
6.	[MENU]	Touch menu to exit.

**Note:** If your battery, or communicator fails its test, please contact your service provider.

Step	How to:	Perform a zone walk test
1.	[MENU] - [4]	Selects main menu - Option 4, System Test
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code
3.	[4]	Selects zone walk test

4.		Activate all detection devices, by walking within the field of view of motion sensors and opening and closing all protected windows and doors.
5.		Touch status to review tested zones
6.	[MENU]	Moves back to component test selection. (step 3)
7.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
8.	[MENU]	Touch menu to exit

## User Configuration – Menu 5

The user configuration menu is where user pin codes are assigned to users, a user code is used to arm and disarm partitions within your security system. They are generally four digits in length, but can be configured by your service provider to be six digits in length if this level of security is required. The user configuration menu is where you also assign partition control and adjust authorization levels to each user. Assigning partitions to users, determines which sections (partitions) of the security system a user may access. The authorization level determines the options available to that user, user authorization is where you would alter and increase a users authority to become a Master Code. Master codes can only create, delete or modify user codes with equal or less authority than themselves.

### How to: Configure (set up) a new pin code for a specific user

Step	Example:	Configure pin code 2580 for user 4.
1.	[MENU] - [5]	Selects main menu - Option 5, User configuration.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[1]	Selects configure user pin.
4.	[4] – [ENTER]	Selects user 4.
5.	[2]-[5]-[8]-[0] [ENTER]	Sets user 4 pin code as 2580.
6.	[MENU]	Moves back to user configuration (step 3).
7.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
8.	[MENU]	Touch menu to exit.

### How to: Delete a pin code from a specific user

Step	Example:	Delete the pin code that is configured for user 4.
1.	[MENU] - [5]	Selects main menu - Option 5, User configuration.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.

3.	[1]	Selects configure user pin.
4.	[4] - [ENTER]	Selects user 4.
5.	[0] - [ENTER]	To disable user.
6.	[MENU]	Moves back to user configuration (step 3).
7.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
8.	[MENU]	Touch menu to exit.

### How to: Remove partition control from a specific user

Step	Example:	Remove control of partition 2 from user 4. In this example we presume a total of two partitions only.
1.	[MENU] - [5]	Selects main menu - Option 5, User configuration.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[2]	Selects configure user partition.
4.	[4] - [ENTER]	Selects user 4.
5.	[2]	Deselects partition 2.
6.	[MENU]	Moves back to user configuration (step 3).
7.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
8.	[MENU]	Touch menu to exit.

### How to: Configure Authority levels for Users

Step	Example:	Change user 6 to a master code.
1.	[MENU] - [5]	Selects main menu - Option 5, User configuration.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[3]	Selects configure user authority.
4.	[6] - [ENTER]	Selects user 6.
5.	[4]	Selects option 4, master code authority (see Table 1 below.)
6.	[MENU]	Moves back to user configuration (step 3.)
7.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
8.	[MENU]	Touch menu to exit.

**Table 1: User Authority Options**

1	Reserved	5	Arm / disarm code
2	Arm Only	6	Allowed to bypass zones

3	Arm only after close window	7	User code will send open, close reports.
4	Master code authority	8	Must be off.

**Note:** Refer to partition lights for selected options. Partition light lit solid red indicates feature is selected.

**Notes:** The system must be disarmed before accessing user configuration.

Do not remove all partitions from a users partition control. Use extreme caution when modifying a user with master code authority.

To simplify configuring users partitions and pins, first record user names, zone names and partition names in menu 8 - Recordings. Your NX-181xx will then announce all these events by name.

Your control panel determines the number of available user pin codes. Contact your service provider to confirm available user pin codes on your system.

If you attempt to enter a user pin code in your security system that is being used by another user, your NX-181xx will announce *Pin code has failed* followed by three fast beeps. Simply select another pin code.

Keep user pin information in a safe place, do not disclose your pin to others.

## Phone Number Configuration – Menu 6

If self-monitoring (also known as domestic dialing) is enabled, and a suitable connection to the telephone network is established, your security system can be programmed to call three different numbers in the event of an alarm condition. These are Alarm phone numbers 1, 2 and 3. Caution should be used when selecting self-monitoring, as it does not offer the same level of protection that a professional central station can provide.

### How to: Enter phone numbers

Step	Example:	Programming in alarm phone number 1.
1.	[MENU] - [6]	Selects main menu - Option 6, Phone Number Configuration
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code
3.	[1]	Selects alarm phone number 1.
4.	Phone Number	Enter the phone number that alarm phone number 1 will dial.
5.	[ENTER]	Accepts the phone number entered
6.	[MENU]	Moves back to Phone number configuration.
7.	[MENU]	Exits back to main menu (“Touch [1] to control zone bypass...etc.....etc.....”)
8.	[MENU]	Touch menu to exit

### How to: Delete phone numbers

Step	Example:	Delete alarm phone number 1.
1.	[MENU] - [6]	Selects main menu - Option 6, Phone Number Configuration.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master pin code.
3.	[1]	Selects alarm phone number 1.
4.	[0]	Disables alarm phone number 1.
5.	[ENTER]	Accepts deletion.
6.	[MENU]	Moves back to Phone Number Configuration.
7.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
8.	[MENU]	Touch menu to exit.

**Note:** On the following pages you will find examples for entering and deleting alarm phone number one. To enter or delete other phone numbers, change only your phone number selection at step 3. Remember to seek permission from the owners of the phone numbers that you enter, and it is recommended that a communication test be carried out to verify connectivity. Additional equipment is required for Divert and SMS messaging, ask your service provider for further details.

## Output Control – Menu 7

Your security system can be configured to control up to 16 outputs. These outputs can be used for a variety of applications, such as external lighting control, electric shutter control or even garage door control. As additional equipment is required to enable these features, please contact your service provider for further details.

### How to: Control outputs

Step	Example:	Control connected outputs
1.	[MENU] - [7]	Selects main menu - Option 7, Output Control.
2.	[5] - [ENTER]	Selects output 5.
3.	[?]	Touch [1] to turn output on, touch [2] to turn output off.
4.	[MENU]	Moves back to output selection.
5.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
6.	[MENU]	Touch menu to exit.

**Note:** You can record names for up to 16 outputs, making it easier to identify individual outputs later on. You can record these names in menu 8, Voice message Recordings.

## Voice Message Recording – Menu 8

With the NX-181xx there is no more need to memorize who has what user code, or what zone number is that sensor in the lounge room. Menu 8 allows you to record names against users, zones, partitions, rooms and outputs, creating an extremely user friendly security system. You can also use your NX-181xx like a digital message board, leaving entry messages for users to hear when they disarm the system and reminder messages for users exiting the system. Getting organized is essential for fast multiple entry of recording. Make a list of all the users, zones, partitions, outputs and room names and have them on hand when you begin your recordings. As user 1 is a master code by default, this user should be reserved for the person within your organization or household that will take responsibility for creating and deleting other user codes.

Please note that voice recording is limited to the first 64 zones, library words must be used for all additional zones above zone 64.

### How to: Record an Entry or Exit Message

Step	Example:	To record an entry or exit message for the first time.
1.	[MENU] - [8]	Selects main menu - Option 8, Voice Message Recording.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master user pin code.
3.	[?]	[1] Selects exit message recording, [2] Selects entry message recording.
4.		You must touch and hold talk. (Touch Mute to disable existing message.)
		Record now (10 seconds recording time.)
5.	[MENU]	Moves back to voice message recording.
6.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass...etc.....etc.....")
7.	[MENU]	Touch menu to exit.

### How to: Record a user name, zone name, partition name, output name, or room name

Step	Example:	To record a zone name for zone number 3.
1.	[MENU] - [8]	Selects main menu - Option 8, Voice Message Recording.
2.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master user pin code.
		Select from the options below.
3.	[?]	[3] selects user name.
		[4] selects zone name.
		[5] selects partition name.
		[6] selects output name.

[7] selects room name.

---

4. [?] - [ENTER] Select which User, Zone, Partition, Output or Room number to record.

---

5.  You must touch and hold talk.

---

 Record now (2.5 seconds recording time.)

---

6. [MENU] Moves back to User, Zone, Partition, Output or Room number selection (step 4).

---

7. [MENU] Moves back to voice message recording.

---

8. [MENU] Exits back to main menu ("Touch [1] to control zone bypass... etc..... etc.....")

---

9. [MENU] Touch menu to exit.

---

**Note:** To configure a zone name using words from the word library table (page 21), select the word numbers you require and replace at step 5 (instead of holding the talk icon to record your voice). You may string up to eight words together to achieve your desired description.

---

[53] - [ENTER]	Dining
5. [117] - [ENTER]	Room
[121] - [ENTER]	Sensor

---

If you don't require all eight words, move to step 6 after you have entered the last word number.

## Basic System Configuration – Menu 9

System customization can be further enhanced within this menu by setting the time and date to match your location, and change the partition entry and exit times to suit your requirements. Detection devices such as smoke detectors, shock sensors and some glass breaks latch their alarm lights to indicate an alarm condition and require resetting, use the "Reset Detector In Alarm" to acknowledge and clear these lights.

**Note:** The Call back and call answer options are service tools for your service provider and are not listed in these instructions but will be announced when you enter this menu option.

### How to: Setting the time and date

---

Step	Example:	Setting the time as 9.30AM, and the date as 19.6.2009
------	----------	---

---

1. [MENU] - [9] Selects main menu - Option 9, Basic system configuration.

---

2. [1] Selects time and date configuration.

---

3.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master user pin code.
4.	[1]	To configure the time.
5.	[9] - [ENTER]	Enter the current hours value, i.e., 9 o'clock.
6.	[30]-[ENTER]	Enter the current minutes value, i.e., 30 minutes.
7.	[1]	Selects AM time.
8.	[2]	To configure the date.
9.	[19]-[ENTER]	Enter the current day, i.e., 19th.
10.	[6] - [ENTER]	Enter the current month, i.e., June (sixth month.)
11.	[2009] [ENTER]	Enter the current year, must be 4 digits, i.e., year 2009.
12.	[MENU]	Moves back to basic system configuration menu selection (step 2).
13.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass... etc.....")
14.	[MENU]	Touch menu to exit

### How to: Adjust partition entry or exit times

Step	Example:	Adjust entry or exit times
1.	[MENU] - [9]	Selects main menu - Option 9, Basic system configuration.
2.	[?]	[2] Selects partition entry time, [3] Selects partition exit time.
3.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master user pin code.
4.	[1]	Select the partition number you wish to adjust.
5.	[?] [ENTER]	Enter the new entry / exit time in seconds (1 – 255 seconds).
6.	[MENU]	Moves back to step 4, partition selection.
7.	[MENU]	Moves back to basic system configuration menu selection (step 2).
8.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass... etc.....")
9.	[MENU]	Touch menu to exit.

### How to: Adjust keypad LED intensity

Step	Example:	Set keypad led intensity
1.	[MENU] - [9]	Selects main menu - Option 9, Basic system configuration.
2.	[4]	Selects keypad LED intensity.
3.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master user pin code.
4.	[?]	[1] Run mode LED intensity, [2] Idle mode LED intensity.
5.	[?]	Select LED intensity from 1-8.

6.	[MENU]	Moves back to step 4, Run mode / Idle mode selection.
7.	[MENU]	Moves back to basic system configuration menu selection (step 2).
8.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass... etc..... etc.....")
9.	[MENU]	Touch menu to exit.

**Note:** Setting the option 4, Idle mode LED intensity, to zero [0] will activate the LED extinguish feature. Enabling this feature will extinguish all LEDs apart from the three emergency keys when the NX-181xx enters idle mode.

### How to: Activate / Deactivate different voice options

Step	Example:	How to activate or deactivate individual voice options
1.	[MENU] - [9]	Selects main menu - Option 9, Basic system configuration.
2.	[5]	Selects voice options.
3.	[?]-[?]-[?]-[?]	Enter your 4 or 6 digit Master user pin code.
4.	[?]	Select required feature to activate / deactivate. Refer to Table 2 below.
5.	[MENU]	Moves back to basic system configuration menu selection (step 2).
6.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass... etc..... etc.....")
7.	[MENU]	Touch menu to exit.

**Full Menu Annunciation:** Turning this feature On, gives full descriptions to all the options within the main menu. Turning this feature Off shortens the descriptions to all options within the main menu. This is a feature for experienced users.

**Time Annunciation:** Turning this feature On, will make your NX-181xx announce the time and date during exit and entry delays. Turning this feature Off, disables this feature.

**Partition Status Annunciation:** Turning this feature On, will make your NX-181xx announce the partition condition when arming and disarming your system. Turning this feature Off, disables this feature.

**Table 2: Voice Options**

1	Full menu annunciation	3	Partition status annunciation
2	Time annunciation	4	Reserved

### How to: Reset latching detectors that are in alarm

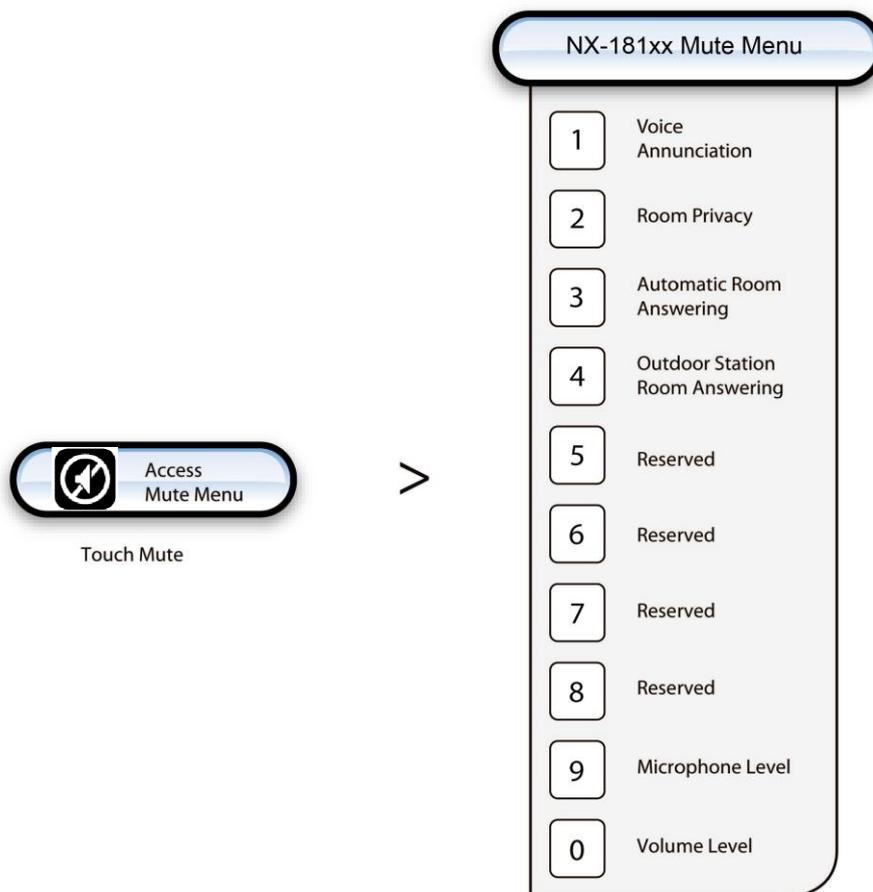
Step	Example:	Reset smoke detectors, shock sensors and latching glass break detectors
1.	[MENU] - [9]	Selects main menu - Option 9, Basic system configuration.

2.	[7]	Selects rest detector in alarm, and resets sensor.
3.	[MENU]	Moves back to basic system configuration menu selection (step 2).
4.	[MENU]	Exits back to main menu ("Touch [1] to control zone bypass... etc..... etc.....")
5.	[MENU]	Touch menu to exit.

## Understanding the Mute Menu

You will find selectable intercom features under this menu, along with four other every day features such as volume control and microphone level adjustment. If you have multiple NX-181xx Voice keypads installed, and your service provider has configured them for intercom functionality, you will be able to call between NX-181xx Voice keypads and hold a conversation. From the mute menu you would set the following options.

**Note:** When a NX-181xx is configured for intercom functionality, it is referred to as a room station.



### 0. Volume Level

There are eight volume levels available, 1 being the quietest, and 8 being the loudest. The Partition lights show the current setting when within this feature.

## 1. Voice Annunciation

Turning this feature On, will force this room station to announce an incoming call, and identify from where the incoming call originated (which room station). Turning this feature Off, will allow a silent unannounced intercom connection. Ideal for baby monitoring. A “call cancelled” message announcement will occur upon disconnection.

## 2. Room Privacy

Stops any other room station connecting to this room station.

## 3. Automatic Room Answering

Turning this feature On, will force this room station to automatically answer an incoming call from another room station. Turning this feature Off, would require the person at this room station to touch the talk key to accept an incoming call from another room station

## 4. Outdoor station room answering

Turning this feature On, enables this room station to accept a call from an outdoor station. Turning this feature Off, stops this room station receiving calls from the outdoor station.

## 5 - 8. Reserved

## 9. Microphone Level

There are eight microphone sensitivity levels available, 1 being the least sensitive, and 8 being the most sensitive. The partition lights show the current setting when within this feature.

### How to: Adjust the Volume level and the Microphone sensitivity

---

**Step Example: Set volume level to 6**

---

- |    |   |   |
|----|---|---|
| 1. |  | Selects mute menu.  |
| 2. | [0]   | [0] Selects volume level, [9] selects microphone sensitivity.                   |
| 3. | [6]   | Sets volume level to 6.   |
| 4. | [MENU]  | Exits back to main menu (“Touch [1] to control zone bypass...etc.....etc.....”) |
| 5. | [MENU]  | Touch menu to exit.   |
- 

### How to: Activate / deactivate features from within the mute menu

---

**Step Example: How to turn activate or deactivate mute menu features**

---

- |    |   |   |
|----|---|---|
| 1. |  | Selects mute menu.  |
| 2. | [?]   | Select required feature to activate / deactivate. Refer to Table 3 below. |
-

---

3. [MENU] Touch menu to exit.

---

**Table 3: Mute Menu Options Selection Table**

1	Voice annunciation	5	Reserved
2	Room privacy	6	Reserved
3	Automatic room answering	7	Reserved
4	Outdoor station room answering	8	Reserved

**Note:** Refer to partition lights for selected options. Partition light lit solid red indicates the feature is selected.

# Word 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

Programmed Phone Number 1.....

Programmed Phone Number 2.....

Programmed Phone Number 3.....

Entry - Exit

Stay Zone

24 Hour Zone

Zone List

1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			

Service provider.....Phone.....

Monitoring station.....Phone.....

System type.....Date of installation.....