



NX-535N-V3 Voice Module Installation Manual

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Overview

The NX-535N-V3 voice module reports alarm events to designated phone numbers using pre-recorded voice messages. You record the voice messages using a normal analog telephone. When an alarm event occurs, the control panel establishes a telephone connection with a specified phone number and informs the NX-535N-V3 voice module to report configured events.

The NX-535N-V3 voice module can send four types of voice message in a report:

- A leader message announces the report.
- An event message describes the event(s) that have occurred.
- An address message identifies the premises reporting the event(s).
- A kiss off message confirms receipt of a kiss off digit.

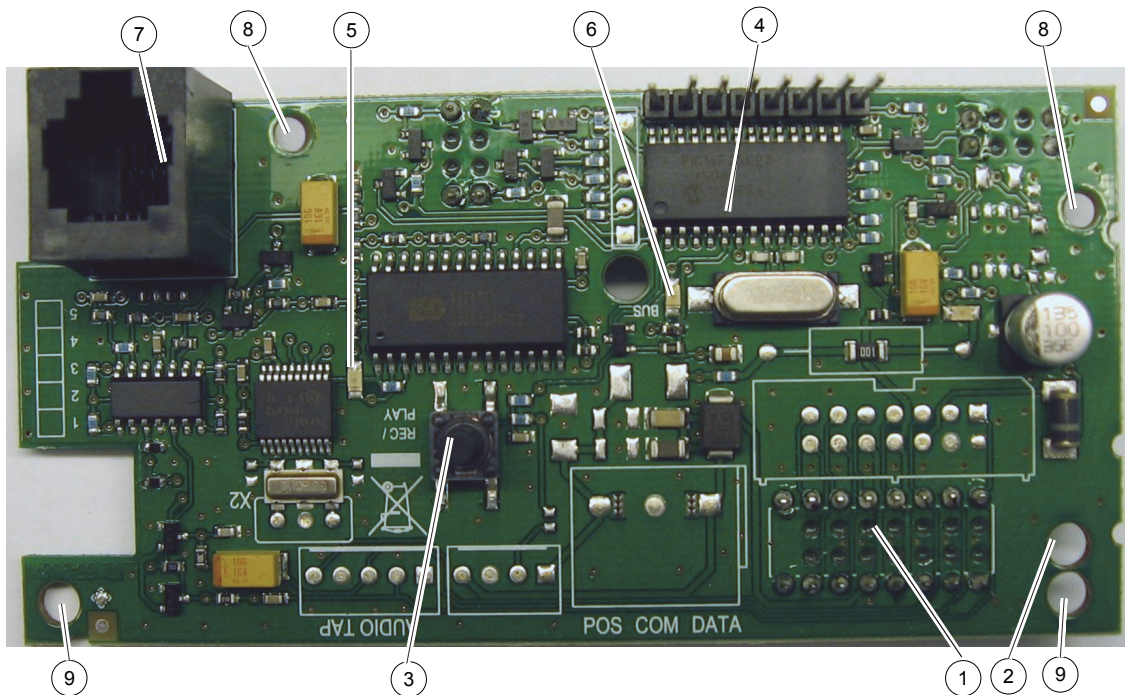
The voice module informs the panel when it is finished reporting and the panel closes the connection with the phone.

Installing the NX-535N-V3 voice module

The NX-535N-V3 voice module must be installed in the upper left corner from the main panel. If a NX-7002N-V3 GSM module is used then the voice module must be installed on top of the GSM module by using the short spacers and the tie rip. Make sure that the tie rip hole and the small holes are used (see Figure 1).

If only a voice module is used and no NX-7002N-V3 GSM then the big spacers are needed. Make sure that the big spacer holes are used (see Figure 1).

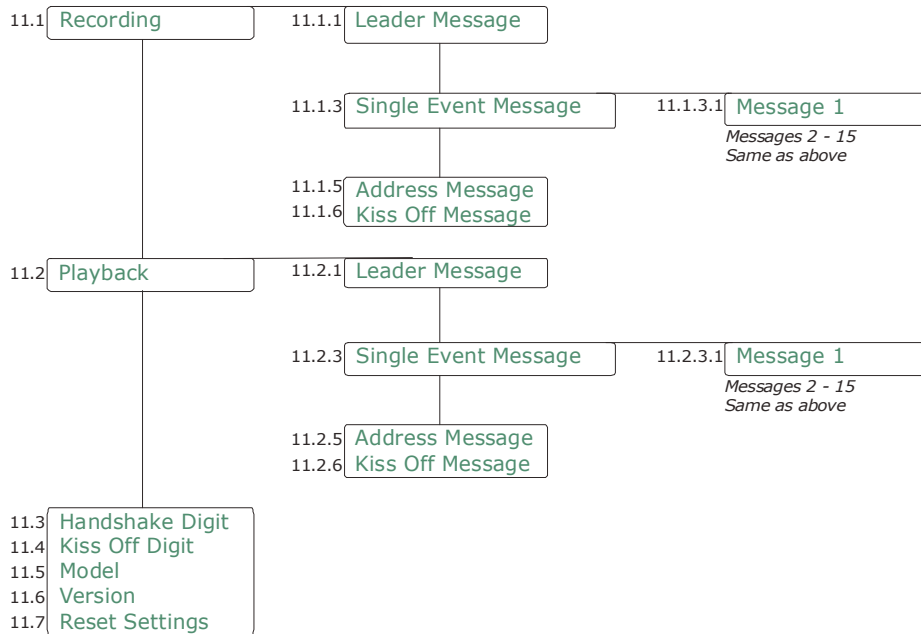
Figure 1. NX-535N-V3 voice module



Description	
1	NetworkX bus terminals
2	Tie rip hole
3	Record / Playback button
4	Processor
5	LED ON during Record / Playback
6	Bus activity LED
7	Connection for telephone handset
8	Small spacer holes
9	Big spacer holes

Programming the NX-535N-V3 voice module with a menu

Figure 2. NX-535N-V3 menu structure



You must enroll and default the NX-535N-V3 voice module before you begin to program the system. To program the NX-535N-V3, select Installer Menu>NX-535 Voice Module.

Configuring the control panel for voice reporting

You must enable event reporting in the control panel and program the zones types for which reports are sent. You must also map each event to a recorded message. You can map one message to a number of events.

Events can be reported to three phone numbers. Each phone number has its own account code, protocol and events. You must program this information for phone number 1 at least. You can also set number of dial attempts and a dialer delay for voice reporting.

Note: All alarm reports will be cancelled and the voice module will stop dialing when a valid user code is entered on a keypad.

Recording voice messages

The NX-535N-V3 voice module can store up to 18 recorded voice messages. There must be one leader message and one address message. There can be an optional kiss off message. The remaining 15 messages are event messages. The messages can be recorded one at a time. The following steps explain how to record different messages.

1. Connect a telephone handset to the phone jack on the NX-535N-V3 voice module.
2. Navigate with the **↑↓** keys to NX-535 Voice Module>Recording and press OK.
3. Complete one of the following steps depending on the message(s) you want to record.
 - To record a message, scroll to the relevant menu option and press OK. For example, to record the leader message, scroll to Leader Message and press OK.
 - To record a single event message, scroll to Single Event Message and press OK. Select the number of the message (1-15) and press OK.
4. Press the recording/playback button on the NX-535N-V3 voice module and record the message.
5. After you record a message, press the recording/playback button to stop recording. The message is played back.

Playing back messages

Pre-recorded voice messages can be played back one at a time. The following steps explain how to playback different messages.

1. Connect a telephone handset to the phone jack on the NX-535N-V3 voice module.
2. Navigate with the **↑↓** keys to NX-535 Voice Module>Playback and press OK.
 - To playback one message at a time, scroll to the relevant menu option and press OK.
 - To playback a single event message, scroll to Single Event Message and press OK. Select the number of the message (1-15) and press OK.
3. Press the recording/playback button on the NX-535N-V3 voice module to playback the message.

Configuring handshake and kiss off

Handshake and kiss off can be programmed as any key press or as a specific telephone key. The following steps explain how to configure these digits.

Note: The voice protocol cannot generate a 'fail to communicate' signal.

1. Navigate with the **↑↓** keys to NX-535 Voice Module>Handshake Digit and press OK.
2. Select the handshake digit and press OK.
3. The keypad beeps once to accept the change.
4. Scroll to Kiss Off Digit and press OK.
 - Select the kiss off digit and press OK.
 - Select Any Digit to program any key press as the handshake/kiss off digit. This is the default.
 - Select None to disable kiss off.
5. The keypad beeps once to accept the change.

Glossary

Location	Term	Definition
11	NX-535N-V3 Voice Module	A module used to send pre-recorded voice messages when activated.
11.	Recording	A menu entry that groups recording options for messages sent by the voice module.
11.1.1	Leader Message	A menu command that records the leader message. This message is sent by the NX-535N-V3 voice module at the start of a voice reporting phone call.
11.1.2	Single Event Message	A menu command that records a single event message. This message is sent by the voice module and states the event that has occurred.
11.1.3	Address Message	A menu command that records the address message. This message is sent by the NX-535N-V3 voice module and states where an event has occurred.
11.1.4	Kiss Off Message	A menu command that records the kiss off message. This message is sent by the NX-535N-V3 voice module at the end of a voice reporting phone call to indicate that the kiss off digit has been received.
11.2	Playback	A menu entry that groups options that allow the installer to play back recorded voice messages.

11.2.1	Leader Message	A menu command that plays back the leader message.
11.2.2	Single Event Message	A menu command that plays back a single message.
11.2.3	Address Message	A menu command that plays back the address message.
11.2.4	Kiss Off Message	A menu command that plays back the kiss off message.
11.3	Handshake Digit	A menu option that specifies the handshake digit. This digit is sent from the central station (in the case of a NX-535N-V3 voice module, this is usually a house phone or a mobile phone) to the control panel in order to establish a connection.
11.4	Kiss Off Digit	A menu option that specifies the digit that the voice module accepts as a signal from the telephone saying that the person has understood the message.
11.5	Model	A menu option that displays the current model of the selected module.
11.6	Version	A menu option that displays the current software version of the selected module.
11.7	Reset Settings	A menu option that defaults the selected module to factory defaults.

Programming the locations for the NX-535N-V3

Recording / Playing back messages

LOCATION 0 – Recording / playback selector (3 segments, numerical data)

Segment 1 – Recording / Playback selector

Segment 1 contains the selector whether you want to record, playback or cancel the operation. Programming any value other than 0, 1 or 2 will be ignored.

Selectors:

0	Cancel the operation
1	Recording mode
2	Playback mode

Segment 2 – Event message selector

Segment 2 contains the individual event message selector. Herewith you can select the message you want to record/playback. The leader message allows you to indicate who is calling, in this case the alarm panel. The event message(s) will be followed with an address message to identify the premise that is reporting the event (alarm). You can record up to 15 event (alarm) messages. The event message can be “kissed-off” by means of a DTMF tone from the telephone set.

Selectors:

0	Record / Playback leader message
1	Record / Playback 1st event message
2	Record / Playback 2nd event message
...
15	Record / Playback 15th event message
16	Record / Playback kiss-off message
17	Record / Playback address message
18	Reserved

While in record or play mode the user should only exit system programming mode when finished recording/playing mode.

Configuring Handshake and Kiss-off

LOCATION 1 – Configuring handshake and Kiss-off (2 segments, numerical data)

When the NX-535N module reports an event and the call is answered, the system plays the leader message until the call taker acknowledges the call by means of pressing a specific phone key. This option is called the handshake digit.

The Kiss-off digit is the specific key that the call taker presses on the phone to end the communication. It signals a successful report. The voice module will acknowledge receipt of the correct DTMF kiss-off digit by playing the kiss-off message (=message 17)

Segment 1 – Handshake DTMF digit

Segment 1 contains the Handshake DTMF digit to acknowledge the message. Values can be as listed below:

Phone digit	Description
0-9	Sets a digit between 0 and 9
10	Sets the * button
11	Sets the # button
12	No Handshake is required
15	Any digit will be accepted as Handshake

Segment 2 – Kiss-off DTMF digit

Segment 2 represents the Kiss-off DTMF digit to end the communication. Values can be as listed below:

Phone digit	Description
0-9	Sets a digit between 0 and 9
10	Sets the * button
11	Sets the # button
12	No kiss-off is required
15	Any digit will be accepted as Kiss-off

If both Handshake and Kiss-Off are disabled then the sequence of leader, event messages and address message are played 5 times before the report is concluded.

Examples

Recording leader message

1. Go to program mode of Voice module (Module 77).
2. Select Location 0.
 - Segment 1 = 1 (= record mode)
 - Segment 2 = 0 (= leader message)
3. Connect a telephone handset into the RJ11 phone jack connector on NX-535N-V3 module.
4. Press the button on the NX-535N-V3 module and record your message through the handset. Example: "This is your alarm system calling, press any key to continue" (*).
5. Press the button again to stop recording. Your message is automatically played back.

Recording event message #1

1. Go to program mode of Voice module (Module 77).
2. Select Location 0.
 - Segment 1 = 1 (= record mode)
 - Segment 2 = 1 (= event message 1)
3. Connect a telephone handset into the RJ11 phone jack connector on NX-535N-V3 module.
4. Press the button on the NX-535N-V3 module and record your message through the handset. Example: "Intrusion alarm".
5. Press the button again to stop recording. Your message is automatically played back.

Recording address message

1. Go to program mode of Voice module (Module 77).
2. Select Location 0.
 - Segment 1 = 1 (= record mode)
 - Segment 2 = 17 (= address message)
3. Connect a telephone handset into the RJ11 phone jack connector on NX-535N-V3 module.

4. Press the button on the NX-535N-V3 module and record your message through the handset. Example: “1420 North Main Street Gladewater, press any key to continue”(*).
5. Press the button again to stop recording. Your message is automatically played back.

Recording kiss-off message

1. Go to program mode of Voice module (Module 77).
2. Select Location 0.
 - Segment 1 = 1 (= record mode)
 - Segment 2 = 16 (= kiss-off message)
3. Connect a telephone handset into the RJ11 phone jack connector on NX-535N-V3 module.
4. Press the button on the NX-535N-V3 module and record your message through the handset. Example : “The Alarm message has been confirmed”.
5. Press the button again to stop recording. Your message is automatically played back.

(*) Only if Handshake and Kiss-Off are enabled on location 1.

Note: The voice protocol can NOT generate a ‘fail to communicate’ signal.

Note: All alarm reports will be cancelled and the voice module will stop dialling when a valid user code is entered on a keypad.

Message table and lengths

The table below indicates the message types and the maximum length of each individual message.

Message number	Description	Max. duration
Leader Message	Start message played back until acknowledge by means of DTMF code	20 sec
Event message #1	Played back after acknowledgement of leader message	8.5 sec
Event message #2	Idem Event message #1	8.5 sec
Event message #3	Idem Event message #1	8.5 sec
Event message #4	Idem Event message #1	8.5 sec

Event message #5	Idem Event message #1	8.5 sec
Event message #6	Idem Event message #1	8.5 sec
Event message #7	Idem Event message #1	8.5 sec
Event message #8	Idem Event message #1	8.5 sec
Event message #9	Idem Event message #1	8.5 sec
Event message #10	Idem Event message #1	8.5 sec
Event message #11	Idem Event message #1	8.5 sec
Event message #12	Idem Event message #1	8.5 sec
Event message #13	Idem Event message #1	8.5 sec
Event message #14	Idem Event message #1	8.5 sec
Event message #15	Idem Event message #1	8.5 sec
Kiss-off message	Played back after sending kiss-off by means of DTMF code	10 sec
Address message	Played back together with event message	20 sec

NX-535N-V3 programming worksheets

(Defaults are in ***bold italic*** text)

Location	Description	Default
0	RECORDING / PLAYBACK SETTINGS	
	Segment 1	
0	Cancel operation	
1	Recording mode	
2	Playback mode	
	Segment 2	
0	Record / playback leader message	
1	Record / playback event message 1	
2	Record / playback event message 2	
3	Record / playback event message 3	
4	Record / playback event message 4	
5	Record / playback event message 5	
6	Record / playback event message 6	
7	Record / playback event message 7	
8	Record / playback event message 8	
9	Record / playback event message 9	
10	Record / playback event message 10	
11	Record / playback event message 11	
12	Record / playback event message 12	
13	Record / playback event message 13	
14	Record / playback event message 14	
15	Record / playback event message 15	
16	Record / playback kiss-off message	
17	Record / playback address message	
18	Reserved	
1	CONFIGURING HANDSHAKE AND KISS-OFF	
	Segment 1 Handshake DTMF digit	<i>15</i>
	Segment 2 Kiss-off DTMF digit	<i>15</i>

Technical specifications

Power supply specifications		
Power supply voltage	13.8 VDC, 5 VDC	
Consumption – Not in session	20 mA at 13.8 V, 25 mA at 5 V	
Consumption – 2 way listen-in in session	20 mA at 13.8 V, 50 mA at 5 V	

General feature specifications		
PCB size	Dimensions (width x height x depth)	50x102x20 mm
Environmental	Operating temperature	+0° C to + 40 °C
	Humidity	Max 93% non condensing
	Shipping Weight	120 g
Telephone	Telephone requirement	Touchtone

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