

VIKING PRODUCT MANUAL

SECURITY & COMMUNICATION

DNA-510A
Digital Mass
Notification Announcer
October 20, 2025

Add Emergency Mass Notification Messages and Alert Tones to Your Existing Paging System

The **DNA-510A** is a digital mass notification announcer, capable of providing up to 5.25 minutes of digitally recorded voice emergency instructions and alert tones over your existing paging system from either touch tone commands or five separate trigger inputs.

The **DNA-510A** connects to a phone line, analog phone system station, a phone system's unused trunk/line input, or to a SIP VoIP phone system using an ATA, allowing you to securely page, trigger emergency messages and/or alert tones and program the unit from any remote touch tone phone.

When activated, the **DNA-510A** will interrupt any current paging or background music and inject an emergency voice message and/or alert tone over your paging system. A live page can also be announced.

The **DNA-510A** can be programmed to repeat one up to 5.25 minute message, two up to 2.6 minute messages, three up to 1.7 minute messages, four up to 1.3 minute



messages or five up to 1 minute messages. It can also be programmed with up to 9 different pre-recorded alert tones for emergency mass notification of: evacuation, lock down, severe weather, fire, bomb threat, hazardous material release, tornado, flash flood, terrorist alert, all-clear, etc.

Features

- **Five** programmable trigger inputs to activate a message and/or alert tone
 - **Over 5 minutes** of total message record time
 - Record up to 5 different emergency messages
 - Ten different pre-recorded alert tones:

1: Code 3 Temporal Slow Whoop (ANSI S3.41)	6: Alert Siren*
2: Attack Wail*	7: Weather Alert
3: Security Breach*	8: Buzzer
4: Fast Whoop	9: All Clear
5: Hi/Low Siren	10: Brahms' Lullaby
- * Note: Looping recordings of actual emergency sirens.*

- Call progress detection for automatic hang up on CPC, busy signal, dial tone or 20 seconds of silence (during live page only)
- Separate volume controls for paging, messages, and alert tones
- Automatically interrupts current page or background music to inject emergency announcement, alert tones or live page
- Non-volatile memory - retains programming during power outage
- NO & NC trigger output contacts for activating flashing beacon (**BLK-4-EWP**), Alarm Dialer (**K-202-DVA**), etc.
- Access code to prevent fraudulent use
- Connects directly to an unused line input (trunk), station port of a phone system, a dedicated phone line or to a SIP VoIP phone system using an ATA

Applications

Provide Emergency Mass Notification for:

- | | |
|---------------|--------------------|
| • Schools | • College Campuses |
| • Factories | • Auditoriums |
| • Restaurants | • Dormitories |
| • Churches | • Office buildings |
| • Theaters | • Hospitals |

Baby Announcer for Hospitals / Clinics (see application note 865)

Information: 715-386-8861
www.VikingElectronics.com

Specifications

Power: 120V AC/12V DC 500mA UL listed adapter provided
Dimensions: 5.25" x 3.58" x 1.75" (133 mm x 91 mm x 44 mm)
Weight: 1.3 lbs (0.6 kg)
Environmental: 32°F to 90°F (0°C to 32°C) with 5% to 95% non-condensing humidity
Sampling Rate: 80Kbs
Audio Output: 600 Ohm with volume adjustable potentiometer, maximum level = +8 dBm/ 2V RMS across 600 Ohm load
Page Trigger Output: 12V DC (20mA maximum) or NO/NC relay contacts (1A 30V DC / 0.3A 110V AC maximum)
Connections: 19 position cage clamp terminal strips

Features Overview

Monitor Volume Control - Turn down if unit is having trouble detecting touch tone commands while alert tones are playing (swing top cover open to access hidden POT).

Trigger Input LEDs

Power Input - Connect to provided 12V DC adapter.

Mode Switch - Set to "Ring Trip" when connecting to a phone system's unused station port or dedicated phone line. Set to "Trunk" when connecting to a phone system's unused line input (trunk port).

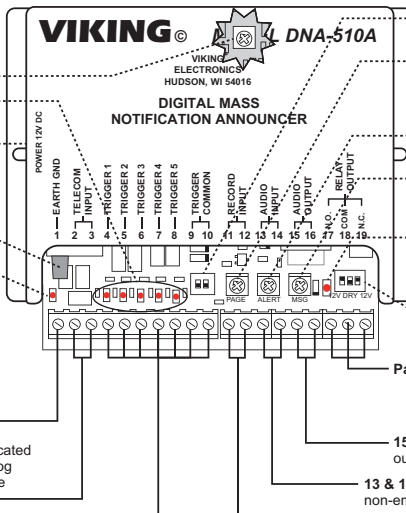
Status LED

Low = Idle
Bright = Active
Slow Flash = Programming
Fast Flash = Recording
Momentary Off = Touch Tone Detected

1: Optional Earth Ground: To increase surge protection, fasten a wire from the screw terminal to Earth Ground (grounding rod, water pipe, etc.) _____

2 & 3: Telecom Input - Connect to a dedicated phone line or phone system's unused analog station port or unused line (trunk) input (see "Mode Switch" above). _____

4 - 10: Five Trigger Inputs - Can be configured as normally open, normally closed or disabled. Momentary or continuous contact. _____



Dip Switches - See Programming section F.

Paging Volume Control - To adjust audio output level of "live" paging.
Note: This does not control paging volume from your phone system's paging port.

- **Alert Tone Volume Control** - Adjust audio output level of alert tones.

Message Volume Control - To adjust audio output level of recorded messages.

Audio Level LED - Flashes in cadence with audio and the intensity of the LED indicates audio level (brighter for higher signals)

- **Trigger Output Selection -**
See Programming section K.

- Page Trigger Output (see Programming K)

17: - Negative / N.O. Relay Contact
18: +12VDC / COM Relay Contact
19: N.C. Relay Contact

- 15 & 16: Audio Loop Output - Line level output to paging amplifier

& 14: Audio Loop Input - Line level input for emergency paging, background music, etc.

11 & 22: Optional Message Record Input - Connect to output of tape player, PC sound card, etc. to record professional messages or unique alert tones. **Note:** This is optional, normal recording is done via telephone.

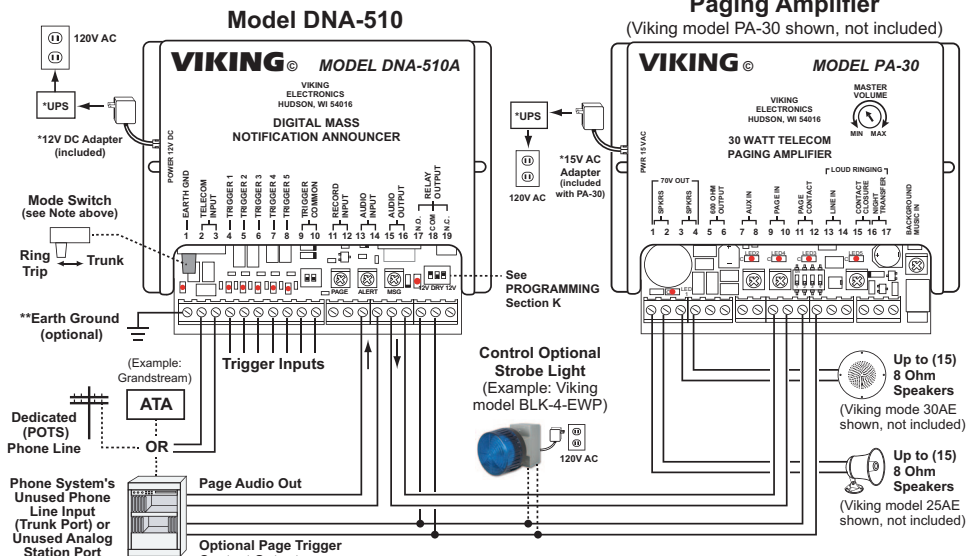
Installation and Applications



IMPORTANT: Electronic devices are susceptible to lightning and power station electrical surges. It is recommended that a surge protector be installed to protect against such surges.

A. Connecting to a Phone System's Unused Line (Trunk) Input, Unused Analog Station Port, a Dedicated (POTS) Line, or to a SIP VoIP Phone System Using an ATA

This application will allow you to control the **DNA-510A** from any telephone on your phone system. You can simply access the phone system's line the **DNA-510A** is connected to or call the phone system extension or dedicated POTS line it is connected to. The unit will automatically answer allowing you to enter a touch tone command to interrupt standard paging or background music and announce a live emergency page, start an emergency pre-recorded message or start one of nine different alert tones. **Note:** *Place mode switch in "Trunk" position when connecting to a phone system's unused line input or ATA FXO port. Place mode switch in "Ring Trip" position when connecting to a phone system's unused station port, dedicated phone line or ATA FXS port.*

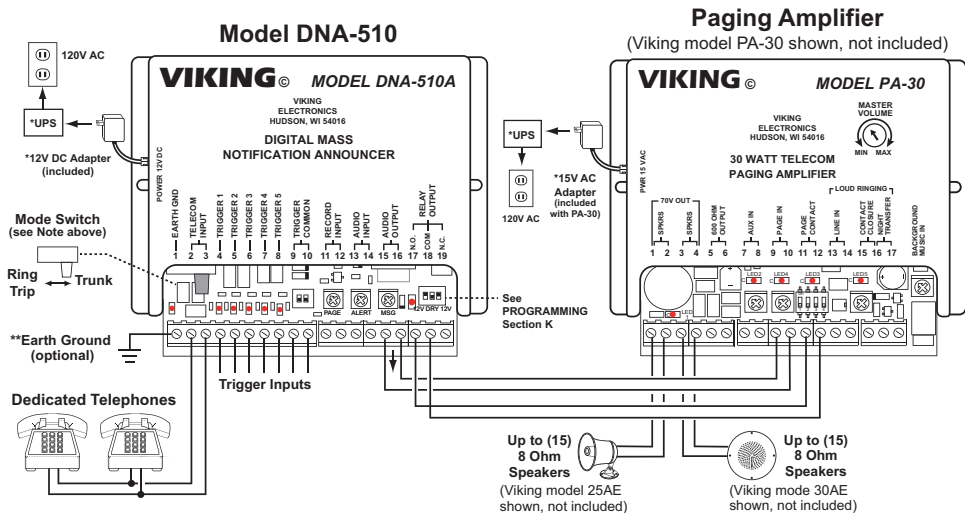


**** Note:** To increase surge protection, fasten a wire from the screw terminal to Earth Ground (grounding rod, water pipe, etc.)

*** Caution:** Uninterrupted Power Supply (UPS) recommended. UPS should have sufficient backup time to allow for emergency communication during a power outage. Maximum power consumption: **DNA-510A:** 10 Watts

B. Connecting to One or More Dedicated Telephones

This application will allow you to control the **DNA-510A** from one or more dedicated (standard analog) telephones. You can simply come off-hook with any phone and enter a touch tone command to interrupt standard paging or background music and announce a live emergency page, start an emergency pre-recorded message or start one of nine different alert tones. **Note:** *Place the mode switch in the "Trunk" position.*



*** Caution:** Uninterrupted Power Supply (UPS) recommended. UPS should have sufficient backup time to allow for emergency communication during a power outage. Maximum power consumption: **DNA-510A:** 10 Watts

**** Note:** To increase surge protection, fasten a wire from the screw terminal to Earth Ground (grounding rod, water pipe, etc.)

Programming

CAUTION! Attention Installers: All programming must be thoroughly tested when installation is complete. Periodic testing at regularly scheduled intervals is recommended.

A. Accessing the Programming Mode

Note: The unit must be idle (alert tones and messages stopped) to access programming.

1. Accessing the Programming Mode locally (Trunk Mode) with a Security Code

Step 1	Come off-hook with any phone connected to terminals 2 & 3 TELECOM INPUT , 1 or 2 beeps will be heard.
Step 2	Enter * followed by the six digit security code (factory set to 845464).
Step 3	A double beep will indicate that you have accessed the programming mode.
Step 4	You can now touch tone program the features listed in section L .
Step 5	When finished programming, hang up.

2. Accessing the Programming Mode locally (Trunk Mode) without a Security Code

Step 1	Move DIP switch S2-2 to ON .
Step 2	Come off-hook with any phone connected to terminals 2 & 3 TELECOM INPUT .
Step 3	Four beeps will indicate that you have accessed the programming mode.
Step 4	You can now touch tone program the features listed in section L.
Step 5	When finished programming, hang up and move DIP switch S2-2 to OFF .

3. Accessing the Programming Mode Remotely (Ring Trip Mode)

Step 1	Call into the DNA-510A from a touch tone phone.
Step 2	The DNA-510A will automatically answer and provide 1 or 2 beeps.
Step 3	Enter * followed by the six digit security code (factory set to 845464).
Step 4	A double beep will indicate that you have accessed the programming mode.
Step 5	You can now touch tone program the features listed in section L.
Step 6	When finished programming, dial ##7 , 3 beeps should be heard, then hang up.

Note: Programming from a cell phone may not be suitable in areas with weak coverage.

B. Security Code

This six-digit number can be used to access the programming mode. The security code has been factory set to **845464** (V-I-K-I-N-G). It is recommended that you change the security code to a personal six-digit number. To change the security code, access programming (see **Programming** section **A**). Enter six digits 0-9 followed by **#47**. If you have forgotten your security code, follow the steps in **Programming** section **A, 2. Accessing the Programming Mode Locally (Trunk Mode) without a Security Code**. **Note:** The security code must be 6-digits and can **NOT** contain a * or #.

C. Access Code

This is a programmable number that must be entered to access the **DNA-510A**'s touch tone operation commands. The access code can be programmed from 1-6 digits and is factory disabled. An access code is useful at installations where only select personnel are allowed to control the **DNA-510A**. To program an access code, access programming (see **Programming** section **A**) then enter a 1-6 digit number followed by **#48**. With an access code programmed, as soon as you call the line the **DNA-510A** is connected to (ring trip mode) or access the phone system's line input the unit is connected to (trunk mode), you will hear one beep signaling you to enter your 1-6 digit access code. If an incorrect access code is entered, the unit will output 3 beeps and you can re-enter your access code. When a correct access code is detected, 2 beeps will be heard and you can now operate the unit. **Note:** The access code must be 1-6 digits and can **NOT** contain a * or #.

D. Recording Messages

1. Recording Messages from Your Touch Tone Phone

Recording of the voice messages may be done either locally or remotely with a touch tone phone. Once programming has been entered, touch tones are used to start and stop the recording process. To start a recording: enter * followed by the message number (1-5). The **DNA-510A** gives a single beep to indicated that it is recording and then starts the recording process. Speak into the handset of the telephone to record the message. The **DNA-510A** has a total message record time of 5.25 minutes allowing for (1) up to 5.25-minute recording, (2) up to 2.6-minute recordings, (3) up to 1.7 minute recordings, (4) up to 1.3 minute recordings or (5) up to 1-minute recordings. See **Programming** section **L** for more details. When finished recording the message, enter touch tone **#** to stop the recording process. At this point the **DNA-510A** automatically plays back the message just recorded. If the recording process goes over its time slot, the **DNA-510A** stops the recording, gives 3 beeps and starts to playback the message. To clear a single message: enter *# followed by the number of the message (1-5).

2. Recording Messages from an External Source (Tape player, CD, PC wav/mp3, etc.)

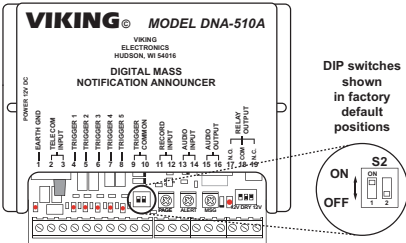
Pre-recorded emergency messages and/or alert tones can be recorded through the **DNA-510A**'s "REC INPUT". Connect a line level (500mV p-p max) source across terminals 11 and 12. Use a touch tone phone to start, stop and review recordings (see paragraph 1 above). The **AUDIO LED** will flicker showing audio level. The audio can also be monitored through your phone's earpiece. Make several sample recordings at different volume settings from your audio source. Review the sample message audio quality to select correct source volume setting. **Note:** Use caution not to speak into the handset during external source recording as unit can record telephone line audio during recording.

E. Playing Back Messages

When in programming, enter *0 followed by the message number (1-5) to playback the selected message. Two beeps will be heard after the playback of the message. If a message has been cleared, 3 beeps will be heard.

F. DIP Switch Programming

Switch	Position	Description
1	OFF	* Trigger Input Sensitivity Reduction
1	ON	Trigger Input Sensitivity Normal (factory default)
2	OFF	Normal Operation Mode (factory default)
2	ON	Security Code Bypass Mode (for local programming)



*** Note:** Very long wire runs on the trigger inputs can cause false triggers. If this occurs, lower the trigger input sensitivity by placing dip switch 1 in the OFF position.

G. Message Repeat Counter

Each recorded message can be programmed to repeat 1-99 times or repeat indefinitely until manually stopped via touch tone command or trigger input control. Once programming has been entered, enter a 2-digit repeat count number 00-99 (00 = infinite) followed by the memory location #11-#15 (messages 1-5 respectively). Once a message has been triggered, the **DNA-510A** will repeat that message (and pre-alert tone if programmed) until it has reached the programmed repeat count. A repeating message can also be stopped with a touch tone “#” operation command or by opening a contact closure or second momentary closure when activated from one of the “trigger inputs” (see section **J. Trigger Inputs**).

H. Message Pre-Alert Tone

Each recorded message can be programmed to have one of ten different pre-alert tones (see chart below). Each pre-alert tone will be approximately 8 seconds in length and will sound prior to playing the emergency message.

Once programming has been entered, enter a single digit 0-9 followed by memory location #21-#25 which correspond to message 1-5 respectively. To disable a pre-alert tone simply enter the memory location only.

Digits	Message Pre-Alert Tone
Blank	Disabled
0	16 seconds of Brahms' Lullaby
1	8 seconds of Code 3 Whoop
2	8 seconds of Attack Wail
3	8 seconds of Security Breach
4	8 seconds of Fast Whoop
5	8 seconds of Hi / Low
6	8 seconds of Alert Siren
7	8 seconds of Weather Alert
8	8 seconds of Buzzer
9	8 seconds of All Clear Tone

I. Programmable Touch Tone Operation Commands

Each touch tone operation command 1-9 can be programmed with an alert tone, emergency message or emergency message with a pre-alert tone (see chart below). When a touch tone is entered during operation, the **DNA-510A** will start playing the specific alert tone or message that has been programmed for that touch tone command.

Once the programming mode has been entered, enter 2-digits followed by memory location #31-#39 which correspond to touch tone digits 1-9 respectively. To disable a touch tone operation command, simply enter the memory location only.

Note 1: Touch tone operation command "0" can not be programmed and is factory set to "live page".

Note 2: All alert tones (except Brahms' Lullaby) continuously repeat until manually stopped with a "#". Messages repeat per programmed repeat counter. **Example:** To program touch tone "1" to play message 4 enter 14#31.

Digits	Tone/Message
Blank	Disabled
00	Brahms' Lullaby
01	Code 3 Whoop
02	Attack Wail
03	Security Breach
04	Fast Whoop
05	Hi / Low
06	Alert Siren
07	Weather Alert
08	Buzzer
09	All Clear Tone
10	(not used)
11	Message 1 and its Pre-Alert Tone (if programmed)
12	Message 2 and its Pre-Alert Tone (if programmed)
13	Message 3 and its Pre-Alert Tone (if programmed)
14	Message 4 and its Pre-Alert Tone (if programmed)
15	Message 5 and its Pre-Alert Tone (if programmed)

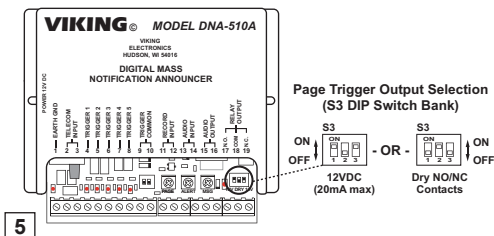
J. Trigger Inputs

The **DNA-510A** has five remote trigger inputs (available on terminals 4 through 10) that can be activated by a momentary or continuous normally open or normally closed contact. When the input senses a contact, the unit will start a pre-programmed alert tone, emergency message or emergency message with a pre-alert tone. The five trigger inputs are factory set to play the first five alert tones from a momentary NO contact and can be stopped from a second momentary contact or by a touch tone “#” command. To program the inputs see **Programming section L. Programming Features.**

Note: When programmed to activate from a continuous contact, and the repeat counter is programmed to infinite (00), the unit will continue to repeat the programmed alert tone and/or message until the contact is released or the **DNA-510A** is stopped from a touch tone “#” command. Alternatively, if the repeat counter is programmed from 1-99, the message will repeat until it reaches its pre-programmed repeat count or the continuous contact has released.

K. Page Trigger Output (S3)

The **DNA-510A** is factory set to output 12VDC (20mA maximum) on terminals 17 and 18 during paging, messages or alert tones. Alternatively, by changing DIP Switch S3 as shown, Terminals 17, 18 and 19 become NO / Common / NC dry relay contacts (1A 30V DC / 0.3A 110V AC maximum).



L. Programming Features

Description	Enter Digits	+ Location
Security Code (default = 845464)	6 digits (0-9)	+ #47
Access Code (default = blank/disabled)	1-6 digits (0-9)	+ #48
Format Message Memory (see CHART 1 next page, default: five 1 minute messages)	1 digit (1-5)	+ #49
Record messages 1-5 (press touch tone # to stop recording)	*1 - *5	
Playback messages 1-5 (press touch tone # to stop message playback)	*01 - *05	
Clear messages 1-5	*#1 - *#5	
Stop recording / message playback	#	
Message 1 repeat counter (00-99, 00 = infinite, default = 00)	2 digits (00-99)	+ #11
Message 2 repeat counter (00-99, 00 = infinite, default = 00)	2 digits (00-99)	+ #12
Message 3 repeat counter (00-99, 00 = infinite, default = 00)	2 digits (00-99)	+ #13
Message 4 repeat counter (00-99, 00 = infinite, default = 00)	2 digits (00-99)	+ #14
Message 5 repeat counter (00-99, 00 = infinite, default = 00)	2 digits (00-99)	+ #15
Message 1 pre-alert tone (see CHART 2 next page, default = blank/disabled)	1 digit (0-9)	+ #21
Message 2 pre-alert tone (see CHART 2 next page, default = blank/disabled)	1 digit (0-9)	+ #22
Message 3 pre-alert tone (see CHART 2 next page, default = blank/disabled)	1 digit (0-9)	+ #23
Message 4 pre-alert tone (see CHART 2 next page, default = blank/disabled)	1 digit (0-9)	+ #24
Message 5 pre-alert tone (see CHART 2 next page, default = blank/disabled)	1 digit (0-9)	+ #25
Touch tone "1" operation command (message or alert tone - see CHART 3 next page, default = Code 3 Whoop)	2 digits (00-15)	+ #31
Touch tone "2" operation command (message or alert tone - see CHART 3 next page, default = Attack Wail)	2 digits (00-15)	+ #32
Touch tone "3" operation command (message or alert tone - see CHART 3 next page, default = Security Breach)	2 digits (00-15)	+ #33
Touch tone "4" operation command (message or alert tone - see CHART 3 next page, default = Fast Whoop)	2 digits (00-15)	+ #34
Touch tone "5" operation command (message or alert tone - see CHART 3 next page, default = Hi / Lo)	2 digits (00-15)	+ #35
Touch tone "6" operation command (message or alert tone - see CHART 3 next page, default = Alert Siren)	2 digits (00-15)	+ #36
Touch tone "7" operation command (message or alert tone - see CHART 3 next page, default = Weather Alert)	2 digits (00-15)	+ #37
Touch tone "8" operation command (message or alert tone - see CHART 3 next page, default = Buzzer)	2 digits (00-15)	+ #38
Touch tone "9" operation command (message or alert tone - see CHART 3 next page, default = All Clear)	2 digits (00-15)	+ #39
Trigger input 1 (see CHART 4 next page)	4 digits	+ #41
Trigger input 2 (see CHART 4 next page)	4 digits	+ #42
Trigger input 3 (see CHART 4 next page)	4 digits	+ #43
Trigger input 4 (see CHART 4 next page)	4 digits	+ #44
Trigger input 5 (see CHART 4 next page)	4 digits	+ #45
Live page priority over trigger inputs (1 or 2, 1 = Live Page has priority over trigger inputs, 2 = Trigger inputs can interrupt a live page, default = 2)	1 digit (1 or 2)	+ #50
Forced Hang-up	##7	
Reset all programming to factory default settings	###	

CHART 1: Message Memory

CAUTION: Changing this parameter erases all previously recorded messages.

Digit	Number of Messages	Message Length
1	1	Up to 5.25 minute message
2	2	Up to 2.6 minute messages
3	3	Up to 1.7 minute messages
4	4	Up to 1.3 minute messages
5	5	Up to 1 minute messages

CHART 2: Pre-Alert Tone

Digit	Message Pre-Alert Tone
Blank	Disabled
0	16 seconds of Brahms' Lullaby
1	8 seconds of Code 3 Whoop
2	8 seconds of Attack Wail
3	8 seconds of Security Breach
4	8 seconds of Fast Whoop
5	8 seconds of Hi / Low
6	8 seconds of Alert Siren
7	8 seconds of Weather Alert
8	8 seconds of Buzzer
9	8 seconds of All Clear Tone

CHART 3: Operation Commands

Digits	Description
Blank	Disabled
00	Brahms' Lullaby
01	Code 3 Whoop
02	Attack Wail
03	Security Breach
04	Fast Whoop
05	Hi / Low
06	Alert Siren
07	Weather Alert
08	Buzzer
09	All Clear Tone
10	(not used)
11	Message 1 and its Pre-Alert Tone (if programmed)
12	Message 2 and its Pre-Alert Tone (if programmed)
13	Message 3 and its Pre-Alert Tone (if programmed)
14	Message 4 and its Pre-Alert Tone (if programmed)
15	Message 5 and its Pre-Alert Tone (if programmed)

Note 1: All alert tones (except Brahms' Lullaby) continuously repeat until manually stopped with a “#” command. Messages repeat per programmed repeat counter. **Example:** To program touch tone “1” to play message 4, enter: **14 #31**

Note 2: To disable a touch tone operation command, enter **#31-#39** with no preceding digits for commands 1-9 respectively.

CHART 4: Trigger Input

Digit 1	Description
0	NO contact (default)
1	NC contact

Digit 2	Description
0	Momentary contact
1	Continuous contact

Digits 3-4	Description
00	Brahms' Lullaby
01	Code 3 Whoop
02	Attack Wail
03	Security Breach
04	Fast Whoop
05	Hi / Low
06	Alert Siren
07	Weather Alert
08	Buzzer
09	All Clear Tone
10	(not used)
11	Message 1 and its Pre-Alert Tone (if programmed)
12	Message 2 and its Pre-Alert Tone (if programmed)
13	Message 3 and its Pre-Alert Tone (if programmed)
14	Message 4 and its Pre-Alert Tone (if programmed)
15	Message 5 and its Pre-Alert Tone (if programmed)

Note 1: When the trigger input is set to continuous and the message repeat counter is set to infinite, the message (and pre-alert tone if programmed) will repeat until contact is removed.

Note 2: To disable a trigger input, enter **#41-#45** with no preceding digits for inputs 1-5 respectively.

To control the **DNA-510A** simply call the telephone line, phone system station port, access the phone system's line input (trunk) or ATA the unit is connected to. At this point you should hear one or two beeps. Two beeps indicate the access code has been disabled and you can now operate the unit. A single beep will signal you to enter your pre-programmed access code (1-6 digits), when a correct access code is detected, two beeps will be heard and you can now operate the unit. Three beeps indicate an incorrect code. Once in the operation mode you can enter a touch tone command which will allow you to start a live page or start and stop any of the pre-programmed alert tones and/or messages (see chart below).

Note: If you have accessed the **DNA-510A** remotely (ring trip mode), you will be allowed up to 20 seconds between touch tone command entries. If more than 20 seconds has elapsed, the **DNA-510A** will automatically hang up.

A. Pre-Programmed Alert Tones and/or Messages

Dial	Description
0	Live Page (default, not programmable)
1	Play programmed Message and/or Alert Tone (default = Code 3 Whoop)
2	Play programmed Message and/or Alert Tone (default = Attack Wail)
3	Play programmed Message and/or Alert Tone (default = Security Breach)
4	Play programmed Message and/or Alert Tone (default = Fast Whoop)
5	Play programmed Message and/or Alert Tone (default = Hi / Lo)
6	Play programmed Message and/or Alert Tone (default = Alert Siren)
7	Play programmed Message and/or Alert Tone (default = Weather Alert)
8	Play programmed Message and/or Alert Tone (default = Buzzer)
9	Play programmed Message and/or Alert Tone (default = All Clear Tone)
#	Stop any message, alert tone or live page (default, not programmable)

B. Alert Tone Descriptions

Alert Tone	Description
Code 3 Temporal Slow Whoop (ANSI S3.41)	0.5 sec sweep from 200Hz-700Hz, pause 0.5 sec, repeat 3 times then pause for 1.5 sec and repeat total cadence. Cadence complies with ANSI S3.41.
*Attack Wail	Air raid siren recording: 2 second rise to 5 seconds of steady siren then decay for 5 seconds, repeat. Loop every 12 seconds
*Security Breach	Dissonant horn blast, 1 second ON / 0.6 seconds OFF, repeat
Fast Whoop	Fast repeating up sweep: 600Hz-1200Hz with 1 second rise, repeat.
Hi/Low Siren	633Hz / 457Hz alternating every 600 milliseconds, steady.
*Alert Siren	Severe weather siren recording: 2 second rise to steady siren.
Weather Alert	440 Hz / 640Hz warble: 2 second ON / 2 second OFF , repeat.
Buzzer	120Hz/240Hz, steady.
All Clear Tone	1KHz steady tone.
Brahms' Lullaby	Actual recording of a music box playback of Brahms' Lullaby, played once. Approximately 16 seconds

* **Note:** Looping recordings of actual emergency sirens.

C. Programming Chart

To help simplify programming, write all of the programming numbers below. See section **L. Programming Features**.

Security Code: _____ + #47

Access Code: _____ + #48

Message memory: _____ + #49

Message 1 repeat counter: _____ + #11

Message 2 repeat counter: _____ + #12

Message 3 repeat counter: _____ + #13

Message 4 repeat counter: _____ + #14

Message 5 repeat counter: _____ + #15

Message 1 pre-alert tone: _____ + #21

Message 2 pre-alert tone: _____ + #22

Message 3 pre-alert tone: _____ + #23

Message 4 pre-alert tone: _____ + #24

Message 5 pre-alert tone: _____ + #25

Touch Tone “1” operation command: _____ + #31

Touch Tone “2” operation command: _____ + #32

Touch Tone “3” operation command: _____ + #33

Touch Tone “4” operation command: _____ + #34

Touch Tone “5” operation command: _____ + #35

Touch Tone “6” operation command: _____ + #36

Touch Tone “7” operation command: _____ + #37

Touch Tone “8” operation command: _____ + #38

Touch Tone “9” operation command: _____ + #39

Trigger input 1: _____ + #41

Trigger input 2: _____ + #42

Trigger input 3: _____ + #43

Trigger input 4: _____ + #44

Trigger input 5: _____ + #45

D. User Recorded Message Script Examples

The following are some examples of messages which may be recorded in the field:

Message Type	Example
Fire 1	"May I have your attention please. May I have your attention please. The signal you have just heard indicates a report of a fire in this building. Please proceed to the nearest exit and leave the building. Do not use the elevators. Do not re-enter the building unless directed to do so by the proper authorities."
Fire 2	"May I have your attention please. May I have your attention please. A fire emergency has been reported in the building. A fire emergency has been reported in the building. Please proceed to the stairways and exit the building. Do not use the elevators, but proceed to the stairways and exit the building."
Fire 3	"May I have your attention please. May I have your attention please. A fire emergency has been reported on your floor. A fire emergency has been reported on your floor. Please proceed to the stairways and exit the building. Do not use the elevators."
Emergency Condition	"May I have your attention please. May I have your attention please. An emergency condition exists in this building. An emergency condition exists in this building. Please proceed to the stairways and exit the building. Do not use the elevators."
Lockdown	"May I have your attention please. May I have your attention please. An armed intruder is in the building. Lock all doors and take cover."
Severe Weather	"Your attention please. A severe weather warning has been received. Please walk to the nearest safe area and wait for further instructions. Elevator lobbies, stairwells, bathrooms and auditoriums are designated safe areas in the event of severe weather. Stay away from windows and glass. Do not use the elevators."
Tornado	"May I have your attention please. May I have your attention please. A tornado warning has been issued for this area. A tornado warning has been issued for this area. Please take all appropriate safety actions at this time."
Hurricane	"May I have your attention please. May I have your attention please. A hurricane warning has been issued for this area. A hurricane warning has been issued for this area. Please take all appropriate safety actions at this time."
Chemical Release	"Attention chemical release. Stay inside buildings and close windows and doors unless advised by authorities to evacuate the area. Attention chemical release. Stay inside buildings and close windows and doors unless advised by authorities to evacuate the area. Chemical release."
Test	"May I have your attention please. This is a test of the emergency warning system. This is only a test. This is a test of the emergency warning system. This is only a test."
All Clear	"Attention. Your attention please. The building emergency condition has been cleared. You may return to your normal activities. The building emergency has been cleared. You may return to your normal activities."

E. Operation Commands

Use the chart below to fill in the number to be dialed or line to access. Access Code (if programmed) and all pre-programmed operation commands. Make photocopies of the chart and place near each phone that may use the **DNA-510A**.

Emergency Notification System Operation Commands

Viking Model DNA-510A

Dial: _____

Enter Access Code: _____

Enter a digit to activate the following:

0 Live Page

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

Stop Message / Tone

Warranty

IF YOU HAVE A PROBLEM WITH A VIKING PRODUCT, CONTACT VIKING TECHNICAL SUPPORT AT: 715-386-8666

Our Technical Support Department is available for assistance Monday to Friday 8:00am - 5:00pm central time. Before you call, please:

1. Know the model number, the serial number, and what software version you have (see serial label).
2. Have the Product Manual in front of you.
3. It is best if you are on site.

RETURNING PRODUCT FOR REPAIR

The following procedure is for equipment that needs repair:

1. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number. The customer MUST have a complete description of the problem, with all pertinent information regarding the defect, such as options set, conditions, symptoms, methods to duplicate problem, frequency of failure, etc.
2. Packing: Return equipment in original box or in proper packing so that damage will not occur while in transit. The original product boxes are not designed for shipping - an overpack box is required to prevent damage in transit. Static sensitive equipment such as a circuit board should be in an anti-static bag, sandwiched between foam and individually boxed. All equipment should be wrapped to avoid packing material lodging in or sticking to the equipment. Include ALL parts of the equipment. C.O.D. or freight collect shipments cannot be accepted. Ship cartons prepaid to:
**VIKING ELECTRONICS
1531 INDUSTRIAL STREET
HUDSON, WI 54016**
3. Return shipping address: Be sure to include your return shipping address inside the box. We cannot ship to a PO Box.
4. RA number on carton: In large printing, write the RA number on the outside of each carton being returned.

RETURNING PRODUCT FOR EXCHANGE

The following procedure is for equipment that has failed out-of-box (within 10 days of purchase):

1. Customer must contact Viking's Technical Support at 715-386-8666 to determine possible causes for the problem. The customer MUST be able to step through recommended tests for diagnosis.
2. If the Technical Support Product Specialist determines that the equipment is defective based on the customer's input and troubleshooting, a Return Authorization (RA) number will be issued. This number is valid for fourteen (14) calendar days from the date of issue.
3. After obtaining the RA number, return the approved equipment to your distributor. Please reference the RA number on the paperwork being shipped back with the unit(s), and also the outside of the shipping box. The original product boxes are not designed for shipping - an overpack box is required to prevent damage in transit. Once your distributor receives the package, they will replace the product over the counter at no charge. The distributor will then return the product to Viking using the same RA number.
4. The distributor will NOT exchange this product without first obtaining the RA number from you. If you haven't followed the steps listed in 1, 2 and 3, be aware that you will have to pay a restocking charge.

TWO YEAR LIMITED WARRANTY

Viking warrants its products to be free from defects in the workmanship or materials, under normal use and service, for a period of two years from the date of purchase from any authorized Viking distributor. If at any time during the warranty period, the product is deemed defective or malfunctions, return the product to Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI., 54016. Customer must contact Viking's Technical Support Department at 715-386-8666 to obtain a Return Authorization (RA) number.

This warranty does not cover any damage to the product due to lightning, over voltage, under voltage, accident, misuse, abuse, negligence or any damage caused by use of the product by the purchaser or others. This warranty does not cover non-EWP products that have been exposed to wet or corrosive environments. This warranty does not cover stainless steel surfaces that have not been properly maintained.

NO OTHER WARRANTIES. VIKING MAKES NO WARRANTIES RELATING TO ITS PRODUCTS OTHER THAN AS DESCRIBED ABOVE AND DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

EXCLUSION OF CONSEQUENTIAL DAMAGES. VIKING SHALL NOT, UNDER ANY CIRCUMSTANCES, BE LIABLE TO PURCHASER, OR ANY OTHER PARTY, FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR EXEMPLARY DAMAGES ARISING OUT OF OR RELATED TO THE SALE OR USE OF THE PRODUCT SOLD HEREUNDER.

EXCLUSIVE REMEDY AND LIMITATION OF LIABILITY. WHETHER IN AN ACTION BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR ANY OTHER LEGAL THEORY, ANY LIABILITY OF VIKING SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, OR AT VIKING'S OPTION, REFUND OF THE PURCHASE PRICE AS THE EXCLUSIVE REMEDY AND ANY LIABILITY OF VIKING SHALL BE SO LIMITED.

IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT EACH AND EVERY PROVISION OF THIS AGREEMENT WHICH PROVIDES FOR DISCLAIMER OF WARRANTIES, EXCLUSION OF CONSEQUENTIAL DAMAGES, AND EXCLUSIVE REMEDY AND LIMITATION OF LIABILITY, ARE SEVERABLE FROM ANY OTHER PROVISION AND EACH PROVISION IS A SEPARABLE AND INDEPENDENT ELEMENT OF RISK ALLOCATION AND IS INTENDED TO BE ENFORCED AS SUCH.

FCC REQUIREMENTS

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the side of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive REN's on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of the REN's should not exceed five (5). To be certain of the number of devices that may be connected to a line, as determined by the total REN's, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

The plug used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this DNA-510A does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

If the DNA-510A causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of the equipment. If this happens, the telephone company will provide advance notice in order for you to make the necessary modifications to maintain uninterrupted service.

If trouble is experienced with the DNA-510A, for repair or warranty information, please contact:

Viking Electronics, Inc., 1531 Industrial Street, Hudson, WI 54016 Phone: (715) 386-8666

If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to Party Line Service is subject to State Tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

WHEN PROGRAMMING EMERGENCY NUMBERS AND (OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:

Remain on the line and briefly explain to the dispatcher the reason for the call. Perform such activities in the off-peak hours, such as early morning or late evenings.

It is recommended that the customer install an AC surge arrester in the AC outlet to which this device is connected. This is to avoid damaging the equipment caused by local lightning strikes and other electrical surges.

PART 15 LIMITATIONS

This equipment has been tested and found to comply with the limits for a Class A 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Product Support: (715) 386-8666

Due to the dynamic nature of the product design, the information contained in this document is subject to change without notice. Viking Electronics, and its affiliates and/or subsidiaries assume no responsibility for errors and omissions contained in this information. Revisions of this document or new editions of it may be issued to incorporate such changes.