AlertWave

VNS5100 - Mass Notification Paging Center

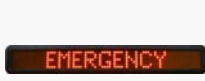EMERGENCY PLEASE EXIT

* Monitor Not Included

TS4142   WPT-01   VP-4   VS1502   VNS2200

Key Features:

- **Wireless Public Address Messaging**

- **Instant Audible and Silent Visual Alerts**

- **Facility-Wide Wireless Time Synchronization**

- **Automatic Day Light Savings Time Adjustment**

- **Alphanumeric Messaging to Pagers, Wireless LED Displays, E-mail Subscribers* and Network Users***

- **Monitors Up to 1,000 Dry Contact Alarm Points for Automated Messaging***

- **Wireless Scheduled Bell or Tone Activation**

- **Monitors Wireless Push Buttons and Sensors for Instant Personnel Notification***

- **Two-Way Wireless Intercom Communications***

- **Improves Response Time During Emergencies**

- **Requires Minimal Training with Easy Installation**

- **Improves Staff Efficiency and Communication**

* Optional Feature / Requires Optional Equipment

The VNS5100 Mass Notification Paging Center is designed to control and activate visual, audible and alphanumeric wireless devices such as strobe lights, public address speakers, sirens, intercom wall stations, voice pagers, pagers and LED displays. In addition, the VNS5100 can provide a wireless time reference signal required to synchronize wireless analog and digital clocks. The time reference can be retrieved from the network time server or a GPS satellite system using an optional GPS receiver.

The VNS5100 has the ability to support 10,000 wireless devices for individual and group access. The system also includes two RS-232 serial ports, allowing integration with third party building PA and fire alarm interfaces. In addition, the VNS5100 provides the user with up to 1,000 programmable alphanumeric messages for quick messaging. It can also support user-recorded alerts using the provided desktop microphone to access wireless speakers, telephone subscribers and voice pagers.

Wireless alerts can be initiated by the user from the VNS5100 networked PC utilizing the optional **VNS2000** client software or the optional password-protected telephone interface. Automated alerts can be initiated by serial communication protocols, the integrated pre-programmed event schedule, receiving of incoming email* messages, activation of the optional dry contact closure alarm point module or activation of the optional wireless push button transmitter interface.

The VNS5100 is capable of generating alerts of different types and activating wireless and non-wireless devices such as wireless speakers (embedded tones and bells, pre-recorded voice alerts and user recorded voice alerts), controlled devices with an ON or OFF status such as strobe lights, alphanumeric displays, and tone or voice pagers.

The alerts for non-wireless devices include email* notification to email and smart phone subscribers, network notification to VNS2000 client users (pop-up window), messages to pagers and cell phone subscribers of nationwide service providers, voice messages to telephone subscribers or PABX extension, and audio output through the PC audio sound card.

For applications that require two-way communication, the **VNS2261** and **VNS2263** intercom options allow the **VNS2200** to provide two-way communication between the VNS5100 and an intercom wall station or emergency call box.

The VNS5100 AlertWave system utilizes optional radio transmitters with FCC approved frequencies and power ranging from 6 to 300 Watts, providing full RF coverage to any sized facility.

The VNS5100 system is fully expandable, allowing you to start with a basic system that fits immediate requirements while maintaining the ability to add future devices.
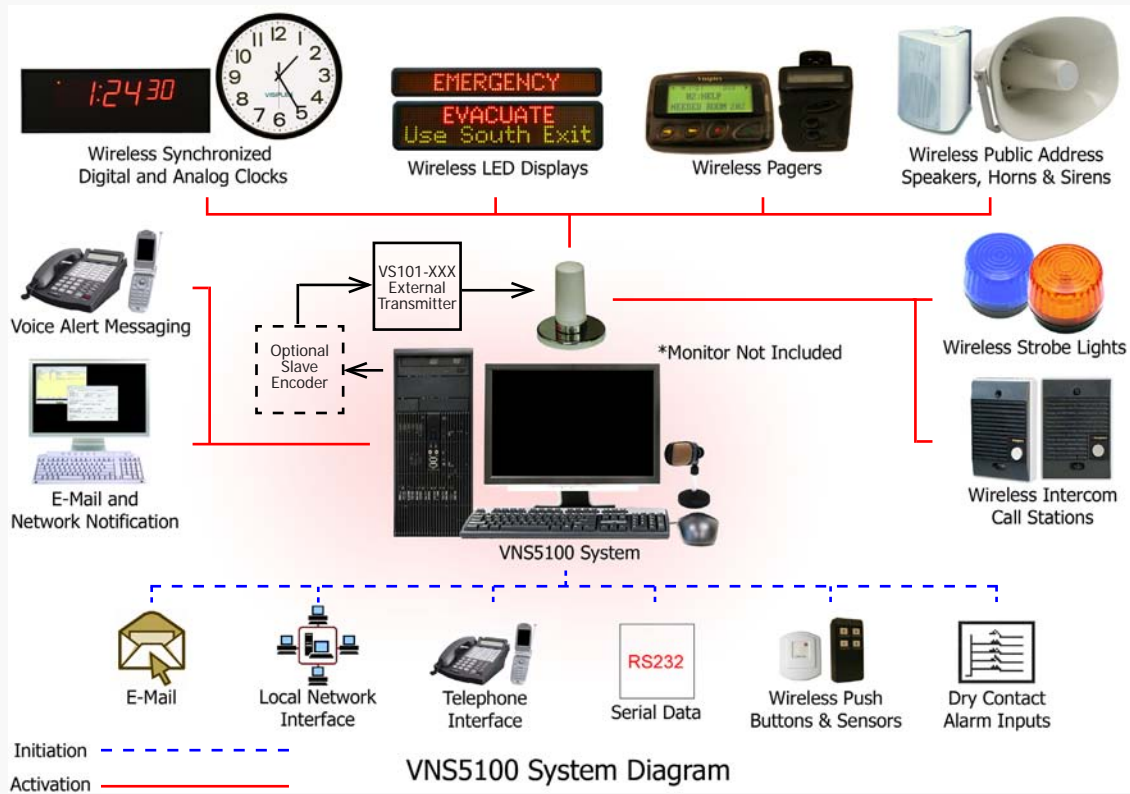
*Customer-provided email software may be required.

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VNS5100 - Mass Notification Paging Center

VNS5100 System Diagram

*The VNS5100 requires an external transmitter from the VS101-xxx series supporting serial PC connection. Other transmitters or transmitters located more than 10' from the VNS5100 also require a VS4500 or VS4800 configured as a slave encoder.

Options, Accessories and Complementary Products:

Part Number	Description
VS5102	Wide Area Interface and External Modem (Requires Serial Port)
VS5104	Four Telephone Line Interface (RJ11 Input)
VS5131	Pre-Recorded Voice Messages to PC Audio Output
VS5132	Pre-Recorded Voice Messages to PABX or Telephone (Requires Telephone Interface)
VS5133	Email Notification to Provide Support for Sending E-mail Alerts to System Devices According to E-mail Addresses Stored in System Database
VS5134	Device Supervision and Monitoring (Requires an Available Serial Port and Wireless Receiver Per Serial Port)
VS5135	Network Notification Alerts to Provide Support for Sending Notifications to VNS2000 Client Users
VS5165	Wireless Devices Messaging for 900 MHz and UHF Wireless Devices (Requires a Serial Port and Wireless 900 MHz or UHF Receiver)
VS5166	Data Stream Analyzer (Free Text) Messaging (Requires a Serial Port)
VS5170	Additional RS232 Serial Port
VS5142	VNS2000 Network Client/Server for PC Systems
VS5143	VNS2000 Network Client for Additional 25 Users

Specifications:

Dimensions[†]	7" x 16" x 17" (W x H x D)	Included Hardware	Desktop Microphone and Keyboard
Weight[†]	23 lbs.	Database	10,000 Device Database and Groups
Power	110V AC (Optional 220V AC)	Groups/Zones	10,000 by Common Capcode (ID) for Simultaneous Member Activation 99 for Sequential Group Member Activation
Processor[†]	Intel Core Duo	Serial Ports	2, Optional 248 Additional
Memory[†]	1 GB	Monitoring Capability*	1,000 Alarm Inputs; 1,000 Wireless Push Buttons
Operating System[†]	Windows 7	Limited Warranty	One Year Parts and Labor
Software	VNS2000 Alert Center Server, Optional Network Interface		

*Optional Feature / Requires Optional Equipment, [†]Specifications are of the CPU Only and are Subject to Change Without Notice
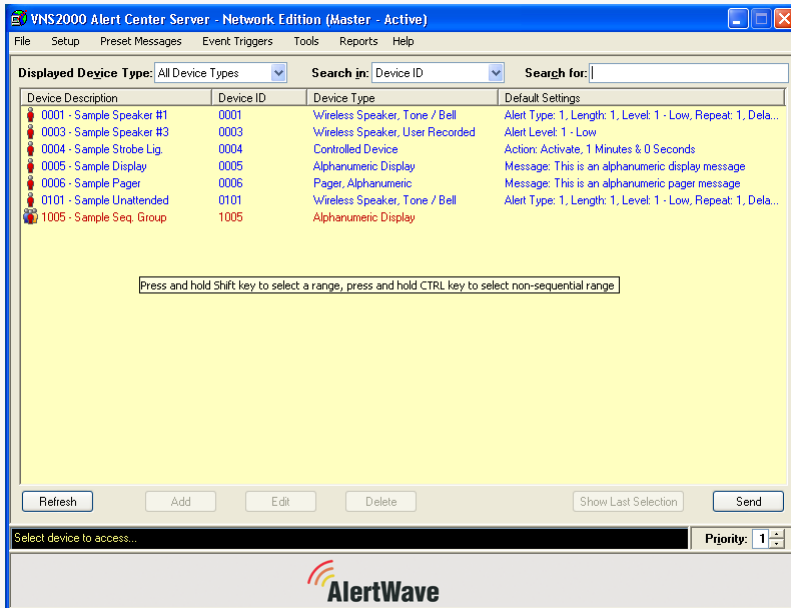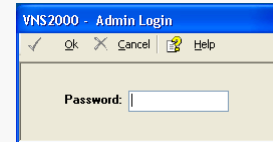
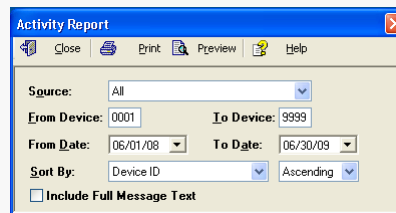# VNS5100 - Mass Notification Paging Center : Software & Option Details

The VNS5100 Windows-based alert center server is capable of processing data from multiple sources and initiating user-generated or automated alerts to a wide range of wireless and non-wireless devices. The **VNS2000** server software also provides a secured system administration, a user-friendly Windows based interface and an event archiving feature required for reporting purposes.
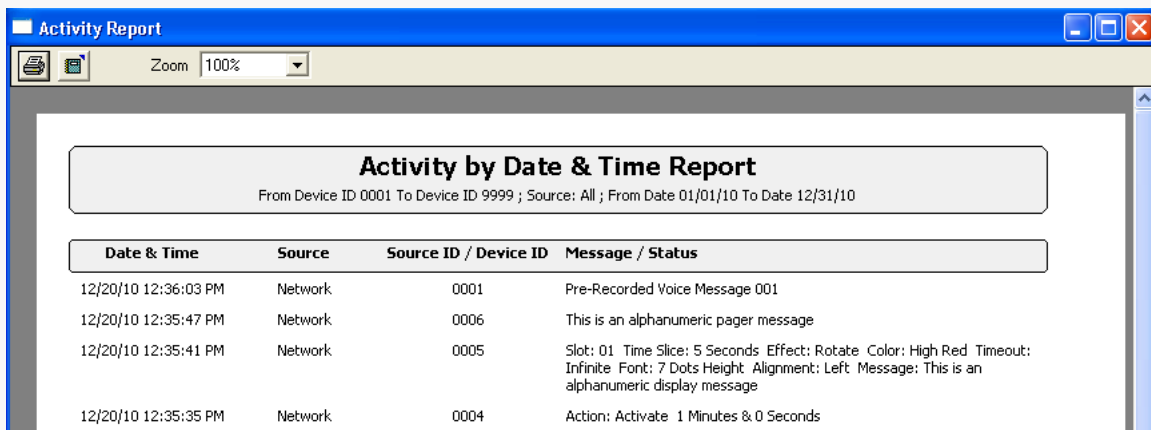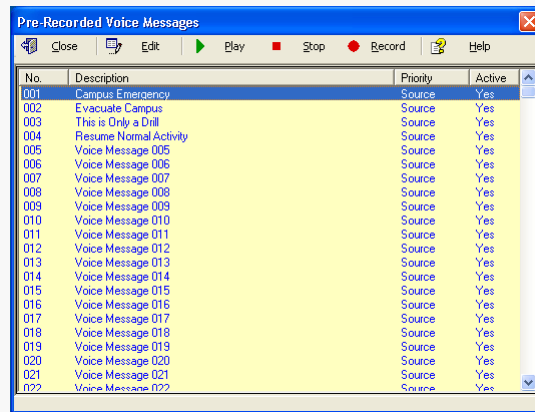

Alert Center Server - Main Screen

Admin Login

Activity Report Settings

Activity Report Details

VNS5100 - Mass Notification Paging Center : Software & Option Details
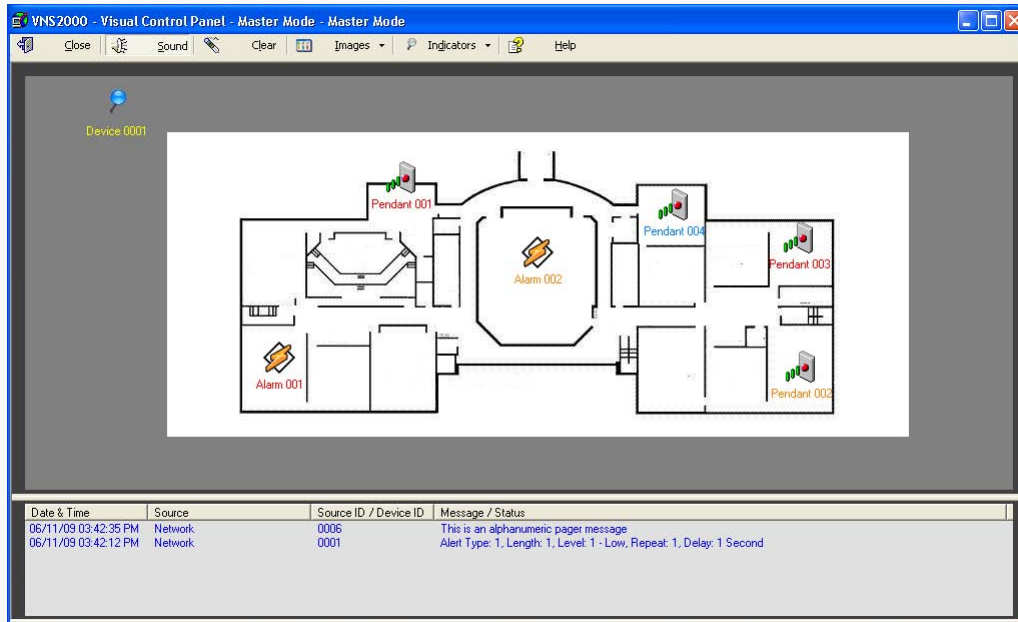
The VNS5100 supports up to 1,000 pre-recorded voice messages that can be used for initiating audible messages to wireless and non-wireless devices such as wireless speakers, voice pagers and telephone subscribers. The messages can be initiated from the **VNS2000** software**,** the optional **VS5104** telephone interface or the automatic activation of a system device.

Pre-Recorded Voice Messages

In addition, the VNS5100 Server software includes a visual control panel that provides a visual presentation of system events and allows the user to add indicators to visualize the status of dry contact closure alarm points, 900MHz wireless push buttons or transmitters and UHF wireless push buttons.

Visual Control Panel

The VNS5100 also supports prioritized alerts and allows assignment a priority by the system device or by the source initiating the alert (such as the **VNS2000** software, each telephone line, each serial port data, each dry contact closure alarm point, or each wireless 900MHz and UHF push buttons).

Device Settings

The **VNS2000** client software (**VS5143**, used with **VS5142**) provides network access to the VNS5100 system from any network PC. The VNS2000 client users can initiate alerts from their PC and forward their emails to a wireless device such as a pager or alphanumeric display, or activate any of the VNS5100 system devices according to its default alert parameters.

Client Software

E-Mail Forwarding & User Information

The scheduled event feature allows the activation of any system device with its default alert parameters. The default alert parameters are programmed for each system device and allow the initiation of any of the alerts supported by the VNS5100 by executing a pre-programmed weekly schedule. The weekly schedule consists of 500 daily events for each weekday that can activate a respective system device with its default alert parameters. The VNS5100 can store multiple weekly schedules on its hard drive, allowing the user to easily change or set the active weekly schedule from the VNS5100 user interface.

Scheduled Events

Event Settings

The **VS5102** widearea interface option allows the VNS5100 to send alphanumeric messages to supported pager and cell phone subscribers of third party service providers. The message is sent to the service provider using TAP serial protocol over modem communication, allowing a nationwide coverage area.

The VNS5100 supports alert initiation and alphanumeric messaging from any telephone by dialing any of the 4 lines provided by the **VS5104** telephone interface (up to 16 lines can be installed). The telephone interface functions as an auto-attendant that answers the call and guides the user through the messaging process, allowing the user to access and activate all system devices with customized or pre-defined alerts. These alerts include numeric and alphanumeric messages, audible alerts stored in the memory of the **VNS2200**, pre-recorded or user recorded messages, activation of strobe lights and other controlled devices, messages to alphanumeric displays, or activation of any device supported by the VNS5100.

Line Settings
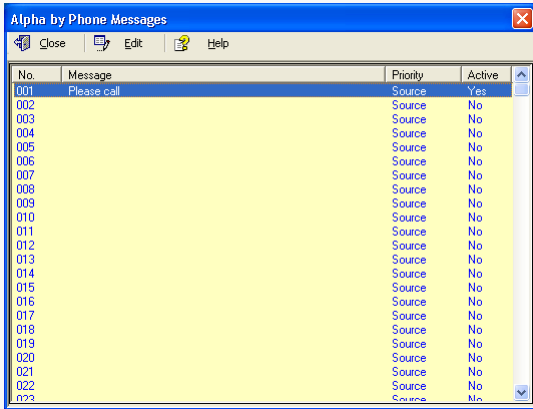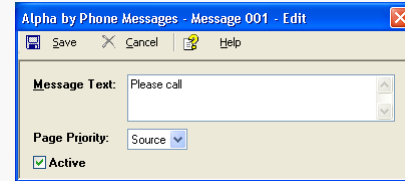
Line Settings Details

The **VS5104** four telephone line interface option also includes 1,000 Alpha by Phone messages that allow the user to send alphanumeric messages using the telephone keypad by converting a numeric code to a pre-programmed alphanumeric message (for example, "*005" can be converted to "Please call"). In addition, each of the **VS5104** telephone lines can be password-protected for increased security.

Alpha by Phone Messages

Alpha by Phone Messages Settings

The VS5104 option can also support voice messaging to telephone subscribers when used with the **VS5132** pre-recorded voice messages to PABX or telephone option.

The VNS5100 can generate email messages to email and smart phone subscribers using the **VS5133** email notification option. Each of the VNS5100 system devices can be set as an Email Notification device with a specific email address that will be used by the VNS5100 for alphanumeric messaging.

The VNS5100 can also monitor the status of supporting wireless devices such as the **VNS2200**, using the **VS5134** device supervision and monitoring option and an optional wireless receiver. This feature simplifies the maintenance of the supported wireless devices by performing a scheduled silent test and storing the test results for later report generation by the system operator.

The VNS5100 is capable of analyzing data received on one of its serial ports and search the received data for pre-determined keywords using the **VS5166** data stream analyzer (freetext) option. If the sought keyword is found, the VNS5100 can send the received message or a pre-programmed message to alphanumeric devices such as pagers or LED displays, or activate any other non-alphanumeric system device according to its default alert parameters.

In addition, when equipped with the **VS5166** option, the VNS5100 is capable of analyzing incoming email messages and responding to each email with an activation of a system device.
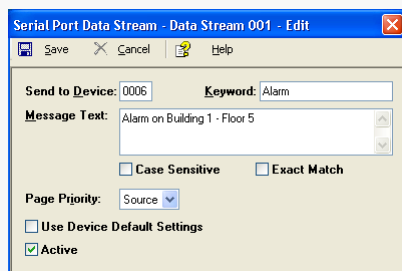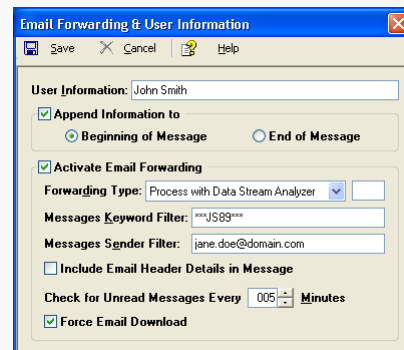

Data Stream Analyzer Settings

E-mail Forwarding & User Information

VNS5100 - Mass Notification Paging Center : Software & Option Details

The VNS5100 is capable of responding to the activation of dry contact closure alarm points (requires optional dry contact module) with an automated alert to public address speakers, strobe lights, sirens, alphanumeric pagers, voice pagers, LED alphanumeric displays or any device supported by the VNS5100. This capability allows integration with third party PA or fire alarm systems.

The VNS5100 is also capable of responding to the activation of wireless 900 MHz and UHF transmitters or push buttons with an automated alert to public address speakers, strobe lights, sirens, alphanumeric pagers, voice pagers, LED alphanumeric displays or any device supported by the VNS5100. This functionality requires the **VS5165** wireless device interface option and a 900MHz or UHF wireless receiver to analyze the signal received from the wireless push button or transmitter and initiate automated alerts according to the programming in the VNS5100 database.

Alarm Point Settings

Pendant Edit Settings

The **VS5165** can also provide location information when used with supporting wireless UHF push button and infrared locators. The location ID provided by the infrared locator is converted by the VNS5100 to legible information that is added to the alphanumeric message initiated by the wireless UHF push button.

Pendant Locator Settings

The **VS5170** additional serial port option allows the VNS5100 to be equipped with up to 250 additional RS-232 serial ports for extended serial communication capabilities and integration with multiple third party PA and fire alarm systems.