



### Architects and Engineers Specification

The master station shall be a MV500 Console/Receiver model number MV500. It shall operate in the narrow band spread spectrum range with a 902 to 928 MHz operating frequency and 200 KHz bandwidth. It shall utilize redundant, coded information on a multitude of channels across a 26 MHz band to maximize range and reliability. It shall supervise up to 65,000 programmed and enabled transmitter devices for operation and battery level and shall display any faults detected. The console shall be able to receive coded signals from wireless patient bed stations, bathroom pull stations, PIR motion detectors, pendant transmitters, ventilator, IV pump, elopement, bed exit, code blue, etc. and announce the alarm event with an audio tone accompanied by the associated programmed room number or name on its seven inch touchscreen LCD display. It shall also provide an HDMI connection for viewing alarms on a monitor. It shall also provide optional corridor light annunciation up to four colors, include call analysis reports, and support optional cellular texting, central station monitoring and radio paging that sends alarm information with escalation to wireless LED reader boards and alpha-numeric pocket pagers.

### Specifications

- **Dimensions:** Height: 1.4"  
Width: 7.9"  
Length: 5.2"
- **Weight:** 20 oz
- **Power Input:** 12VDC (transformer included)
- **Audio Jack:** 3.5mm for optional external speakers
- **Mount:** Includes desktop 100mm VESA mount
- **Optional Mount:** Wall mount 100mm VESA WNC500-WM

### MV500 Wireless Emergency Console

The MV500 is a self contained console/receiver with a seven inch touchscreen display and internal wireless receiver that annunciates 900MHz spread spectrum transmissions from wireless patient bed stations, bathroom emergency pull stations, PIR motion detectors, pendant transmitters including automatic fall alarm and elopement, ventilator, IV pump, bed, chair, door and window exit as well as a wide variety of other transmitter devices. The MV500 provides audible and visual annunciation of alarm calls including room number or name information, color coded alarm type, elapsed time of call, and optional pendant location or elopement information. The MV500 can be equipped with optional corridor lights which annunciate up to eight device types on up to four colors using a single pair of wire connected in parallel, pocket paging transmitter which sends radio pages to pagers and wireless LED reader board displays including escalation for unanswered events. The system also includes 2 relays, call analysis reports software, a port to add outboard speakers, WiFi for remote programming, HDMI for remote display connectivity of alarm information, and email notification or alarms and maintenance alerts. Other supported notification types include cellular telephone text messaging and central station monitoring.

### Features

- Reliable 900 MHz spread spectrum transmission
- Fully supervised for transmitter operation & battery level
- Supports up to 65,000 transmitters
- Includes email notification
- Includes call analysis reports
- Includes HDMI port for remote alarm screen display
- Includes 2 relays for connectivity (can be dry or 12VDC)
- Includes WiFi for remote programming
- Includes 3.5mm audio output jack for external speakers
- Includes 450VA battery backup UPS

### System Components

Model No.	Description
SPS5	Radio Page Transmitter
WNC-DLC200	Dome Light Controller
WNC-AD2	Central Station Dialer
VL3345-2	Text Messaging Module
WNC500-WM	Wall Mount 100mm VESA 2-gang