



# **SOUNDCOMMANDER® 3500**

## **“Giant Voice” -- 360°**

### **Loudspeaker/PA System**

**GSA Contract # GS - 07F - 9199S**  
**NSN: 5830-01-542-3267**

The requirement for powerful, deployable emergency public address / loudspeaker systems that can be transported easily and quickly placed in to operation makes the **SOUNDCOMMANDER® SC3500PA** high power, ruggedized, loudspeaker system the best choice. The system projects powerful, 128dB, continuous crystal clear, articulate voice and warning audio over areas encompassing a full 360° of coverage, to a range of up to a square mile (800 meter radius). The system is designed to operate from a permanent command center, a command vehicle, or a temporary command desk.

## **The SOUNDCOMMANDER® 3500 system consists of:**

### **The Amplifier/Power Module**

Encased within a weather protected, ruggedized hard case, with carry handle, the Amp/Power module, weighs only 31lbs (14Kg) with batteries. It contains the system controls, wired and wireless inputs and outputs, indicators for power handling and output assemblies for the system.



The system is normally powered from a 110 or 220 VAC source, or from an external 12 or 24VDC power source. In case of external power failure, the system contains a 15Ahr internal battery backup system that will operate the system for approximately two hours continuously at about 70% volume

### **SC3500 Amp/Power Module Also Includes:**

- A preamplifier with four inputs, two wired and two wireless, a 300watt RMS auto-trigger power amplifier, a powerful built-in three-tone siren with wail, yelp, and horn, visible audio modulation level and battery level LED's.
- The interior of the case is coated with a special electro-magnetic interference (EMI) coating to prevent spurious RF transmission.
- The push-to-talk microphone has a 20' (6m) extension cable.
- For optional wireless remote operations the system features either a single channel VHF transmitter/receiver set and/or a 256 channel, UHF transmitter/receiver set with clear channel scan feature. These sets also include a rooftop whip or ground plane antenna with mounting brackets. For portable or field operations, short plug-on floppy antennas are also provided.



## The Circular Five Speaker Horizontal Array

- A single array of five 60 watt RMS reentrant horn loudspeakers arranged in a 360° pattern, are mounted on a 23" (580mm) circular flat speaker bracket constructed of 3/8" (10mm) aluminum. The bracket, with speakers, weighs 31lbs. (14Kg).
- Each loudspeaker can be adjusted slightly up/down, or to the sides, varying the projected sound pattern.
- Each speaker connects to a sealed junction box, with a single output to the main speaker array cable.
- The 100' (30m) 14Ga heavy-duty speaker cable connects from the array to the amplifier with brass military style screw-on plugs. Speaker extension cables are available as an option.
- For short term and portable operations, the speaker array mounts on the included heavy duty, adjustable tripod equipment stand with articulating leg for uneven terrain. The stand can adjust upward from a height of 5' (1.5m) to 8' 6" (2.6m). The stand includes a padded Cordura nylon storage/carry case with shoulder strap.
- The array can also be permanently mounted to a fixed pipe, pole, or stand.
- The system also includes a hard transport case for the speaker array, cables and other loose accessories.



## SOUNDCOMMANDER® 3500 Operation

- The system amplifier/power module features two wired inputs, microphone and auxiliary and inputs for two optional wireless receivers. There are separate volume controls for each wired input and a single volume control for the two wireless inputs.
- The optional lightweight portable wireless transmitters will accept any high quality microphone or external audio device with an XLR connector or cable.
- The internal siren is activated by a rocker switch for the wail and yelp tones and an override push button for the horn.



- The **ALERTCOMMANDER®** Prerecorded Warning and Message Delivery system interfaces with SC3500 system via wired or wireless input, enabling the SC3500 system to instantly project pre-recorded messages or warning tones with a finger tap on a color touch screen.

## Remote Desktop/Command Center Control Module

To operate one or more SC3500 systems from a remote location such as a centrally located command center, the mountable remote control module enables operation and control of the systems via either wired or wireless connection.



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