



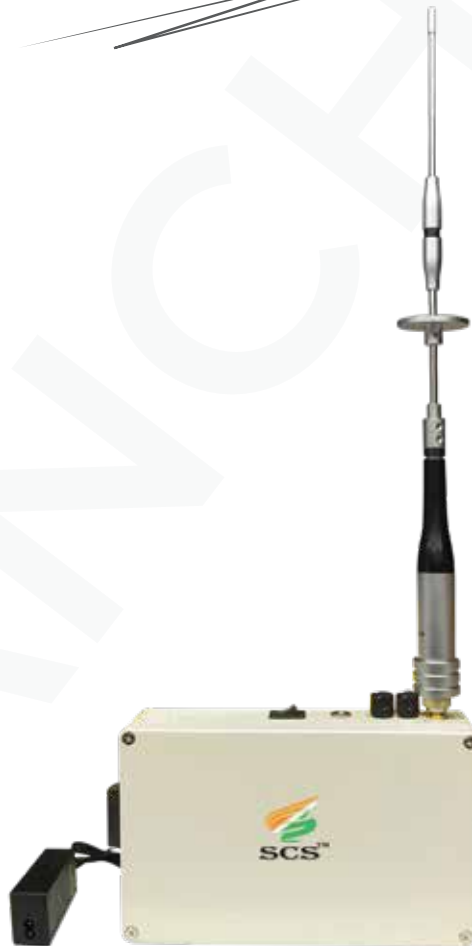
SANCHAR
WIRELESS COMMUNICATIONS LTD.

RFPA SYSTEM

PA System with Speaker



Speaker



Receiver (Amplifier)



Transmitter (Radio)

PA (Public Address) Systems are used in any public venue that require an announcer, performer, etc. to be sufficiently audible over a large area. The Sanchar Wireless **PA** is the ideal solution for any application where a hard-wired **PA** is unmanageable or too expensive to route wire between the desired locations or if the application is temporary.



MAKE IN INDIA



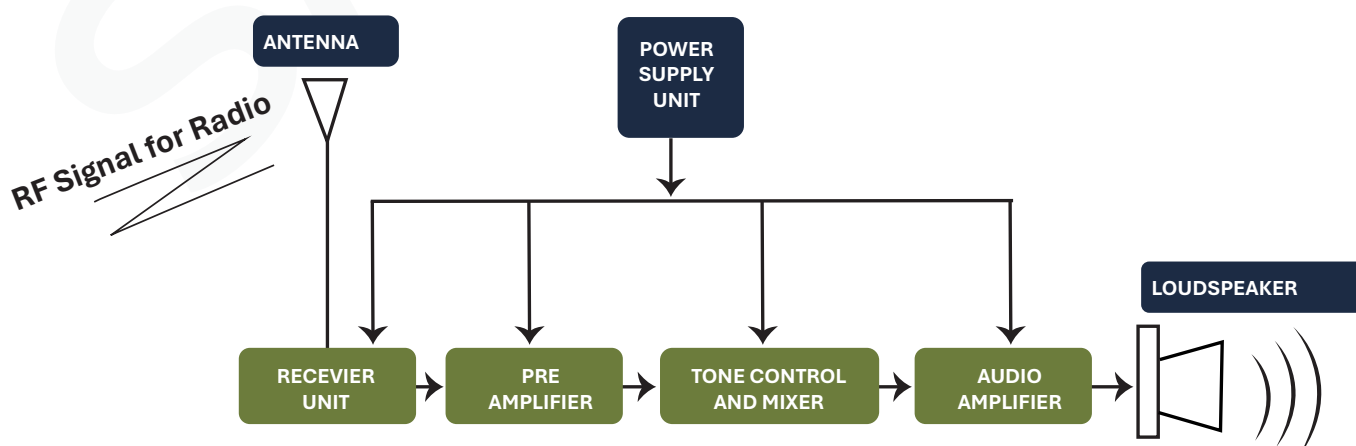
The Sanchar wireless **PA system** eliminates wiring, thus reducing installation costs. It allows personnel to use a portable radio handset to transmit live voice messages directly to the **PA** speaker from any distance away. The system works over encoded license free frequencies that restrict. This ensures that only authorized people have access to the PA system. You can use a dedicated communications channel between the Wireless **PA System** and another one between the radios or intercoms that are contacting it. That enables you to use your radios or intercoms for normal communications without broadcasting over the PA system.

Product Features

- No Extensive Wiring.
- Adjustable Volume (5%-90%).
- PC and Field Programmable.
- Compatible with solar system for self sustained operation.
- Improves Communication, Safety/Security and Productivity.
- Easy “Add-On” to Existing Radio Systems to increase coverage.
- Can be configured for Multiple Zones for different announcements.
- Industrial grade receiver, lightweight, rugged, sealed weather-resistant housing.
- One receiver can support up to 2 separate PA horn speakers in parallel for additional audio coverage.
- Rechargeable back-up battery automatically provides power to the receiver in case of power failure, Enables an additional 8 hours of communication.

Product Benefits

- Installs practically anywhere.
- Virtually unlimited coverage range.
- Reduced installation cost.





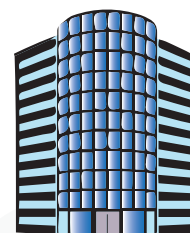
Applications



Fire Drills



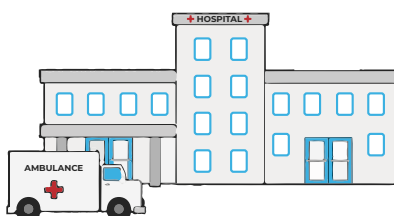
School



Office Buildings



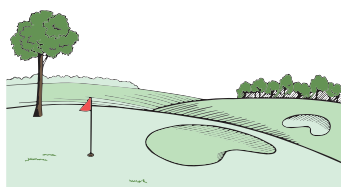
Hotels



Hospitals



Parking Lots



Golf Course



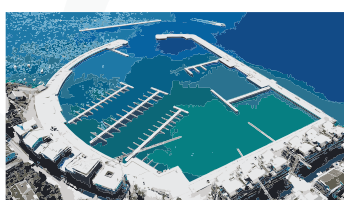
Construction Sites



Emergency Evacuation



Airports



Marinas



Warehouses



Public
Transportation Hubs



Industrial
Manufacturing Plants



Special Events
or Sports Events

Stranded Items Includes

- PA Horn Speakers 55W.
- 15V AC/DC adaptor.
- High Gain Antenna.
- VHF/UHF Radio set for Broadcast.
- Radio Receiver with Built in 55W Audio Amplifier.

This long range wireless PA system has applications for schools, hotels, factories, office buildings, hospitals, airports, marinas, country clubs, warehouses, lumber yards, salvage yards, boat yards, rental yards, parking lots, construction sites, amusement parks, golf courses, special events, sports events, and lots of other uses.



Specifications

RADIO TECHNICAL

Frequency Range of Transceiver	License Free 446 MHz/ VHF:136-174 MHz/ UHF:400-480 MHz
Channel Spacing	25.0kHz
Operating Temperature	-25~ +55°C
Operating Voltage	DC7.4V
Weight (with Antenna & Battery)	220g
RF Power (h/l)	0.5W ERP/ 5W/ 4W
Modulation limit	≤ 5kHz
Residual FM	-45 dB
Adjacent Channel Selectivity	60 dB
Channel Capacity	76
Antenna Impedance	50Ω
Dimension (H x W x D)	As per Bidder
Modulation Type	16kF3E
FM Distortion	≤ 5%
Sensitivity	0.22μV
Inter Modulation Reject Radio	65 dB
Rated Audio Distortion	≤ 5%

POWER AMPLIFIER

Power Output	RMS at 10% THD 55W + 55W RMS at 5% THD 50W + 50W RMS at 2% THD
Output Regulation	≤2 dB, no load to full load at 1kHz
Input Channels	5x Mic 0.6m V/4.7k , 1x Aux 100m V/470kΩ 1x Aux 200 mV/250k (RCA Jack)
Frequency Response	70-1000Hz ±3dB
Signal to Noise Ratio	60 dB
Tone Controls	Bass: 10 dB at 100Hz, Treble: 10 dB at 10kHz
Output	Preamp 200m V/600
Speaker outputs	4Ω, 8Ω 70 V & 100 V for each zone
Power Supply	AC: 220-240 V 50/60 Hz, DC: 12 V (12V Car Battery)
Power Consumption	AC: 250 VA DC: 5 W
Dimensions	W400xH130xD290 mm or compact
Weight	10.10 kg

AUTOMATIC BATTERY PROTECTION SYSTEM

Low Voltage Disconnect	08V
Over Voltage Discount	15.8V
Short Circuit Protection	Instant
Reverse Polarity Protection	Instant
Cell Balancing	Automatic

RECHARGEABLE BATTERY

Group Size	N/A
Nominal Voltage	12.8V
Charge Voltage	14.4V to 14.6V
Max Charge/Discharge Current	1 A(amps)
Cold Cranking Amps	50 A(amps)
Length	7.75 mm
Width	6.45 mm
Height	6.75 mm
Weight	15 lbs
Type	Li-ion
Usable capacity (Amp hours)	5 Ah
Depth of Discharge	100%
Peak Amps 5 sec.	50A
Reserve minutes@20A	15
Reserve Minutes @ 50A	6
Self Discharge	<3% a year

HORN

Input Power	40W RMS/60W Max
Impedance	8Ω
Frequency Response	180-7000Hz
SLP at 1KHz	112.5 dB/ 1W/ 1m 126.6 dB/ 40W/ 1m
Weight	3.20 kg
Protection	ABS (UV Protected) Rugged / Water and Rust free ABS Plastic for Long Lasting Finish

MICROPHONE

Frequency Response	40-1600Hz
Sensitivity	15mWPa
Impedance	100Ω
Bass Filter	-10dB at 80Hz
Cable Length	5m & Above
Requirement	9-52 VDC

Marketed: Dealer/Distributor