SALAAM III – SBS

DESKTOP RADIO

STANDARD FEATURES

FULL BAND COVERAGE

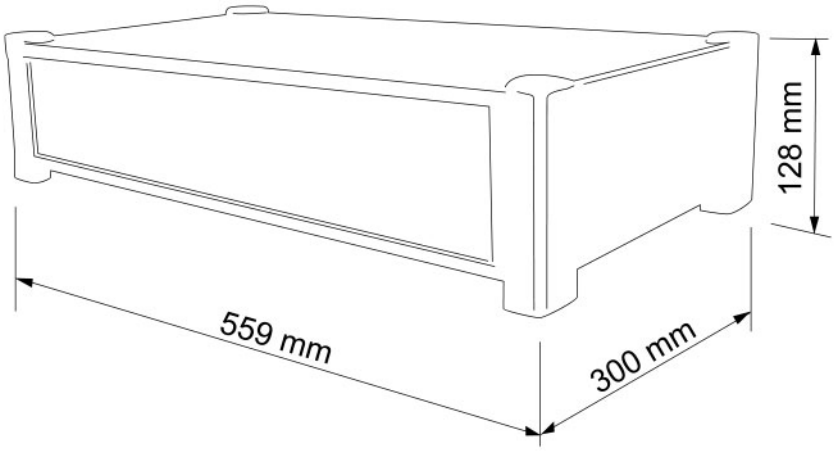
VHF high band 150 - 174 MHz

- Without performance degradation.
- Without splits.
- Without tuning.
- The ultra sensitive receiver ensures that these radios provide better coverage than other similar radios.
- These fully synthesized radios feature per channel basis programming of power and channel spacing (12.5 kHz / 25 kHz).

EIA / TIA 603 COMPLIANT

All Base Stations are subject to stringent tests as per EIA / TIA 603 standards before dispatch. The radios are designed into 9U chassis, facilitating transportation to remote locations.

Electronia's Salaam-III series Base Station is designed for continuous duty operation in the harshest of environments and operating conditions.



PROTECTION & DIAGNOSTICS

Protection against Mains Power Surge.

Protections against High VSWR and temperature.

Built in Battery Changeover circuit.

P.O. Box 180, Al Khobar 31952, Kingdom of Saudi Arabia. Tel.: 966 3 894 4216, Fax: 966 3 894 9991, Email: sales@electronia.com

TECHNICAL SPECIFICATIONS

GENERAL

Frequency Range	150 – 174 MHz (Without split)
No of Channels Selectable	128 channels(In PLL steps of 25, 12.5, 6.25, 5kHz)
Channel Spacing	25 kHz or 12.5 kHz (Programmable per Channel basis)
Channel Guard	39 EIA CTCSS Tones
Power Supply	110/220 Volts AC at 60/50Hz
Protection	Against input line transients and overload
Battery backup	12 Volts DC Nominal
Power Consumption	200 watts maximum
Operating Temperature	0 ° C to +60 ° C
Humidity	90% at 50 ° C
Dimensions	559 x 300 x 128 mm (LxBxH)

TRANSMITTER SPECIFICATIONS (Measurements carried out as per TIA / EIA – 603)

RF Power Output	40 Watts adjustable to 10 watts
Duty Cycle	Intermittent
Frequency Stability	± 5 PPM
Modulation Limiting	± 5 kHz or ±2.5 kHz
RF Output impedance	50 Ohms
Spurious Emission	Better than 65 dBC
FM Noise	Better than 40 dB @25 kHz Better than 34 dB @12.5 kHz
Audio Distortion	Less than 5% at 1 kHz with 3/1.5 kHz deviation

RECEIVER SPECIFICATIONS (Measurements carried out as per TIA / EIA – 603)

Sensitivity	Better than 0.25 µ Volts for 12 dB SINAD
Frequency Stability	± 5 PPM
RF Input impedance	50 Ohms
Adjacent Channel Rejection	Better than 70 dBC @25 kHz Better than 60 dBC @12.5 kHz
Spurious and Image rejection	Better than 70 dBC
Audio Output	1 Watt across 8 Ohms Speaker
Audio Distortion	Less than 5% at 1 kHz with 3/1.5 kHz deviation

OPTIONS

- FIELD PROGRAMMING UNIT

ELECTRONIA

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