

RADIO SERVICE COMUNICACIONES

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fully featured HF radio

System 600 HF radio

*the next
generation radios,
today.
With host of
unique features
that are
un-equalled in any
other HF radio,
anywhere in the
World*



The multi-purpose System 600 HF SSB radio is designed to fulfil Long-haul Land Mobile communication requirements.

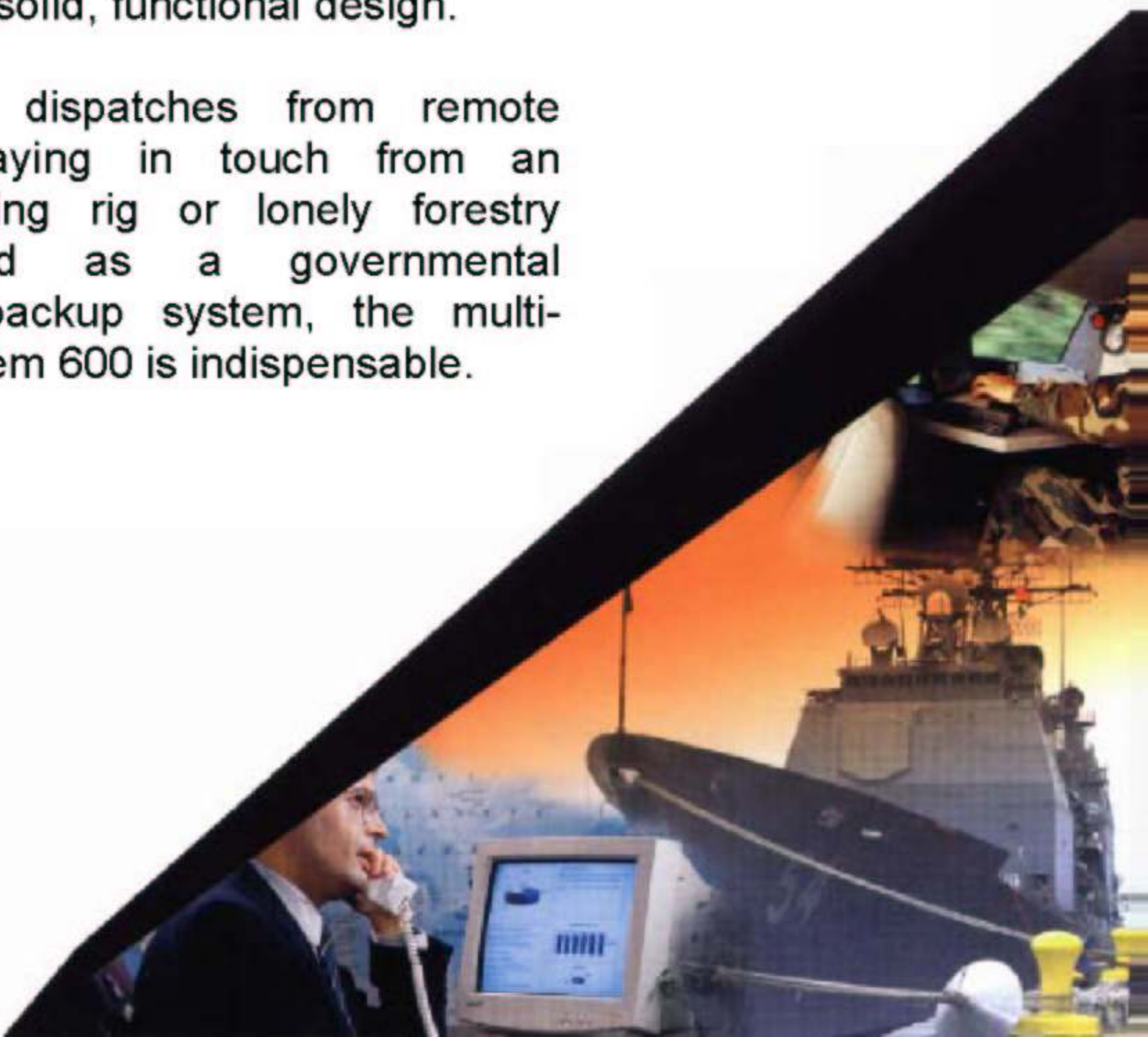
Though many radios can be adapted for more than one application, the System 600 is well-suited as a mobile or base station. Since the System 600 was envisioned as a multi-purpose radio from the beginning, the technology, engineering and manufacturing is the foundation of solid, functional design.

For military dispatches from remote outposts, staying in touch from an offshore drilling rig or lonely forestry lockout, and as a governmental emergency backup system, the multi-purpose System 600 is indispensable.

- **50 KHz to 30 MHz**
- **100 Watt Output**
- **5 Tone (option)**
- **Heavy duty**
- **PIN Access**
- **MIL-STD 810 D/E**
- **Dual Watch**
- **PC programmable**
- **Encryption Option**
- **Alpha-numeric LCD**
- **Base station or**
- **Mobile operation**
- **Numerous Accessories and options**



next generation solutions



Specification – System 600

SPECIFICATION

GENERAL

Number of Channels:	100 channels
Frequency Range:	
Receive	50 kHz - 30 kHz
Transmit	1.8 - 30 MHz
Frequency Synthesiser Step Resolution:	10 Hz, 100 Hz, 1 kHz
Emission Modes:	J3E (USB, LSB); A1A (CW); A3E (AM); H3E (2182 Mode only); J2B (USB, LSB)
Current Consumption:Receive (No Signal)	1.2 A
Transmit	20 A
Ambient Temperature Range:	-10°C to +50°C
Frequency Stability:	±10 ppm
RF Input-Output Impedance:	50 ohms
Power Supply Voltage:	13.8 V DC
Dimensions:	11.3" x 9.6" x 4.1" (286 x 244 x 104 mm)
Weight:	9.9 lbs. (4.5 kg)

RECEIVER

Circuit Type:	Double Conversion Superheterodyne
Sensitivity (10 dB S/N):	
0.5 - 1.8 MHz: J2B/J3E/A1A	2 µV
0.5 - 1.8 MHz: A3E	8 µV
1.8 - 30 MHz: J2B/J3E/A1A	0.25 µV
1.8 - 30 MHz: A3E	1 µV
Adjacent Channel Selectivity (-6/-60 dB):	
J2B/J3E/A3E-Narrow	2.2 / 5 kHz
H3E Narrow/A1A-Wide	2.2 / 5 kHz
A1A Narrow	500 Hz / 1.2 kHz
A3E	6 kHz / 12 kHz
Clarifier Range:	± 300 Hz
Image Rejection (1.8 - 30 MHz):	70 dB
IF Rejection (1.8 - 30 MHz):	60 dB
Conducted Radiation:	-55 dBm
Spurious Response:*	<1mV
Audio Output:	1.5 Watt into 4 ohms w/ <5% THD



TRANSMITTER

Power Output:	
J2B, J3E, A1A	100 Watts
A3E, H3E	25 Watt AM Carrier
Modulation Type:	Balanced Modulator, Filtered Carrier
SSB	Low-Level (Early Stage)
AM	
Spurious Radiation:	-40 dB
SSB Carrier Suppression:	-40 dB
Undesired Sideband Suppression:	50 dB @ 1.5 kHz Modulation Input
Spurious Response:	-40 dB
SSB Audio Response:	<- 6 dB from 400 - 2600 Hz
Occupied Bandwidth:	
A1A	< 0.5 kHz
J2B, J3E, H3E	< 3.0 kHz
A3E	< 6.0 kHz
3rd Order SSB IMD:	-25 dB @ 100 W PEP (14 MHz)
Microphone Impedance:	600 ohms

Accessories and Options



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