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NATIONAL RADIO COMPANY, INC.

**NEW**

**PRODUCT ANNOUNCEMENT**

# HRO-600

THE VLF-HF FULL COVERAGE  
SYSTEMS-CONCEPT RECEIVER



ACCESSORIES PERMIT USER SETUP IN A  
WIDE VARIETY OF MULTIMODE,  
MULTIPURPOSE APPLICATIONS

- SEARCH
- SYNTHESIZED
- CHANNELIZED
- INDEPENDENT SIDEBAND
- DIVERSITY
- REMOTE CONTROL
- FIXED
- MOBILE

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HRO-600



### HRO-600 WITH TYPE 601 FREQUENCY CONTROL PLUG-IN

NRCI's HRO-600 is a high-performance, solid-state receiving system which permits a heretofore unattainable flexibility. The systems concept allows a user to custom-tailor a receiving system to his specific needs at the lowest cost consistent with his requirements. The HRO-600 receiving system consists of a main frame, choice of three frequency control plug-ins, and a large selection of useful accessories.

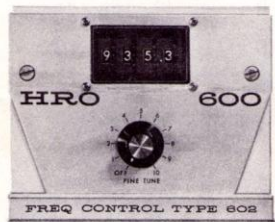
The main frame contains all receiver signal path circuits from antenna inputs through line and speaker audio outputs. These circuits include an antenna attenuator, slot filter assemblies, frequency converters, IF amplifiers, IF filters, AM and product detectors, and audio amplifiers. It also includes a frequency synthesizer for first mixer injection, a beat-frequency oscillator (BFO), and a 115-230 volt 47-420 Hz power supply. When the main frame is augmented by one of the frequency control plug-ins (Type 601, 602, or 603), the receiver is capable of operating at any frequency between 10 kHz and 30 MHz in the following reception modes: AM, CW, SSB, FSK<sup>1</sup>, and FAX<sup>2</sup>. Crystal filter IF bandwidths are automatically matched to the reception mode selected.

A wide range of accessories are available to expand the capabilities of the HRO-600 to accommodate the variations in the needs of communications systems designers and users.

<sup>1</sup>Requires accessory plug-in FSK converter, Type 650 or external audio equipment.

<sup>2</sup>Requires external audio equipment.

FRONT PANEL	REAR PANEL
<ul style="list-style-type: none"> <li>● ANT ATTENUATOR pushbuttons</li> <li>● AGC DECAY TIME CONSTANT selection pushbuttons</li> <li>● MHz SELECT switch and indicator</li> <li>● AF and RF GAIN controls</li> <li>● MODE selector</li> <li>● BFO pitch control</li> <li>● NOISE ELIM threshold control</li> <li>● LEVEL meter</li> <li>● METER selection pushbuttons (CAL/RF IN/LINE LEVEL)</li> <li>● PHONES jack</li> </ul>	<ul style="list-style-type: none"> <li>● Mixer injection input connectors</li> <li>● Audio output terminals</li> <li>● AGC drive output terminal</li> <li>● AGC bus terminal</li> <li>● Antenna input terminals</li> <li>● IF output terminal</li> <li>● Power input connector</li> <li>● Receiver muting terminals</li> <li>● External frequency standard input connector</li> <li>● Remote control connector</li> <li>● Line level adjustment control</li> <li>● Spare terminals</li> </ul>



## ACCESSORIES

### THREE FREQUENCY CONTROL PLUG-INS

- Type 601 VFO (SEARCH)
- Type 602 Synthesizer
- Type 603 Fixed-Channel (12 Crystal Controlled Channels)

### OTHER ACCESSORIES

- Type 610 DC Power Supply
- Type 620 Noise Blanker
- Type 630 ISB Adapter
- Type 640 VLF/MF/HF Preselector
- Type 650 FSK Converter
- Type 660 Diversity Combiner
- Type 670 Remote Control System
- Mounting Brackets