RECEIVER CONTROL SOFTWARE (RCS)
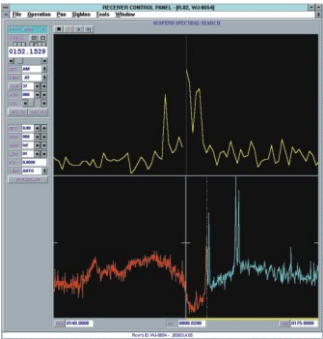
WJ-RCS is a collection of Windows™ applications for real-time control and monitoring of

various BAE SYSTEMS receivers. WJ-RCS offers built-in signal analysis database tools for

easy editing, cataloging and hand-off of receivers.

- Controls up to 12 receivers
- Operates under MS Windows 3.1™, MS Windows NT™ or MS Windows 95/98™
- Provides audio playback of captured audio information
- Supports RF & IF pan displays
- On-line help with context-sensitive help file

WJ-RCS

PORTABLE SPECTRUM MANAGEMENT SYSTEM

The WJ-8931 is a portable Spectrum Management System (SMS) contained in a single

briefcase. It provides a maximum of capabilities in a minimal-space, battery operable system.

- Frequency coverage from 2 to 1000 MHz (extendable down to 0.5 MHz or up to 2.4 GHz)
- Detection modes of AM, FM, Pulse, CW, LSB & USB
- Spectral search at 25-MHz per second (with 100-kHz resolution)
- Channel-occupancy monitoring of over 150 channels per second
- Assists in identifying interfering signals
- Digital audio storage
- Real-time IF signal analysis

WJ-8931

RF ACQUISITION & MONITORING SYSTEM

The WJ-8932 is a portable RF acquisition and monitoring system, mounted in a rugged aluminum

carrying case weighing less than 35 lb. (15.83 kg). The system becomes operational by merely

opening the case, attaching an RF input and supplying either 120-Vac or 12-Vdc power .

- Dual-receiver VHF/UHF System
    - Fast-acquisition receiver: WJ-8607A
    - Monitor receiver: WJ-8654
- Basic system frequency coverage:
    - Acquisition: 20 to 512 MHz (optional 2 to 3000 MHz)
    - Monitor: 20 to 1000 MHz (optional 0.5 to 2400 MHz)

WJ-8932

PORTABLE SPECTRUM MANAGEMENT SYSTEM

The WJ-8934 is a portable Spectrum Management System contained in a single briefcase.

The system capabilities include spectral survey, channel-occupancy, interference

identification and individual signal monitoring of RF signals between 20 and 3000 MHz.

- Detection modes of AM, FM, Pulse, CW, LSB & USB
- Spectral search at 1-GHz per second (with 2.5-MHz resolution)
- Channel-occupancy monitoring of up to 400 channels per second
- Provides both RF & IF panoramic displays
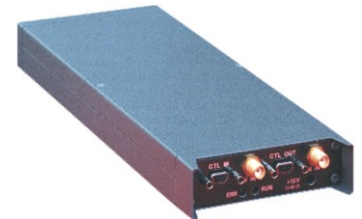- Assists in identifying interfering signals

WJ-8934

SIGNAL MONITOR MODULE

The WJ-9168 Signal Monitor Module aids receiver tuning and signal activity monitoring when

used with receivers that have a 21.4-MHz center, 10-MHz bandwidth signal monitor output.

- 0.1 to 10 MHz full-span display
- Provides near real-time IF pan display
- 2 IF inputs per module
- Dual-resolution bandwidths: 25-kHz, 8-kHz
- RS-232 with control pass-thru to receiver to support computers with one serial port
- Low power: <2.5 Watts

WJ-9168

FRONT PANEL UNIT

The WJ-9605 is a detached front-panel unit (FPU) with Input/Output (I/O) connectors located

on a rear-panel shelf. The FPU consists of: 8-line by 40 character, backlit, supertwist LCD,

numeric keypad, parameter adjust encoder, tuning encoder, softkeys, audio headphone jack

and volume control.

WJ-9605

The WJ-9605 acts as a portable front panel for up to two BAE SYSTEMS Miniceptors™, or as a

remote front panel for the WJ-9902A and WJ-9908A equipment frames.

MULTI-RECEIVER FRONT PANEL

The WJ-9607 is a self-contained, detached unit consisting of a front panel, a BAE SYSTEMS receiver net interface, a host interface and a Hewlett-Packard Interface Loop (HPIL) wich controls one to 29 HPIL-equipped Miniceptor™ receivers.

- Optional host interface (IEEE-488, RS-232C, RS-422A)

WJ-9607

EQUIPMENT FRAME

The WJ-9902A holds up to two WJ-8607 or WJ-8607A/B/C Miniceptor™ receivers, with or without frequency extenders. The frame includes an integral AC power supply for the receivers. It may also include an optional Front Panel Unit (FPU) and host interface.

An optional integral FPU allows an operator to control the receivers mounted in the frame and adds a 8-line by 40-character backlit Supertwist LCD display numeric keypad, parameter adjust encoder, tuning encoder, softkeys, headphone jack and volume control.

- Optional host interface (IEEE-488, RS-232C, RS-422A)

WJ-9902A

MICROCEPTOR™ EQUIPMENT FRAME

This frame allows any combination of narrowband or wideband Microceptor™ receivers, with or without frequency extenders, covering 0.5 MHz to 2.4 GHz. The receiver must include the Blindmate Connector option, which allows the user to plug the receivers into the rear of the frame.

- Up to 6 WJ-8654 receivers with or without frequency extenders
- Independent RS-232 remote interface/receiver
- Universal-input AC power supply
- Optional front panel controller and IEEE-488 interface
- Optional digitized IF pan data utilizing the WJ-9168

WJ-9904

EQUIPMENT FRAME

WJ-9908A

The WJ-9908A holds up to eight WJ-8607, WJ-8607A/B/C or WJ-8609A Miniceptor™ receivers, with or without frequency extenders, in a full-rack package occupying only 8.75 inches (22.23 cm) of vertical rack space. The receivers mount with their connectors toward the front of the frame to allow easy removal. All receiver inputs are cabled to the rear panel.

- High-efficiency integral AC power supply
- Optional host interface (IEEE-488, RS-232C, RS-422A)