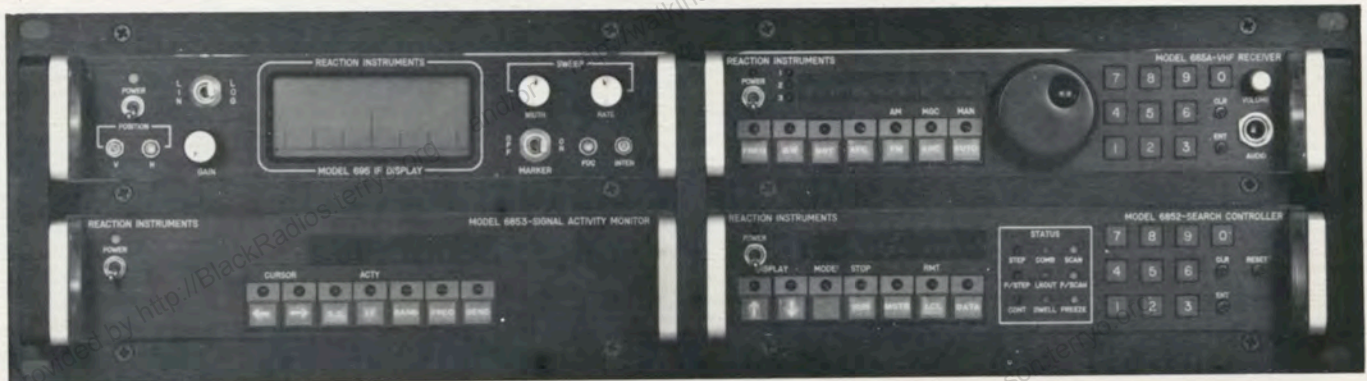


# VHF/UHF RECEIVER SYSTEM

## VHF/UHF RECEIVER . . .

. . . A Compact, Fast Scanning Receiver, 20–500 or 20–1100 MHz,  
Master-Slave Autotransfer to 16 Hand-Off Receivers

## MODEL 685A RECEIVER SYSTEM



### THE MODEL 685A SYSTEM . . .

a versatile, fast scan VHF/UHF receiving system with activity monitoring capability. The Receiver is controlled by the menu-driven Controller in a user-specified search pattern. The Display provides for both real time IF spectrum and digital mapping of signal activity. Extended frequency and other options available.

### THE MODEL 685A MODULES . . .

available also as stand-alone units, the Receiver, Controller, Display and Monitor are all packaged in 1.75" half-rack chassis.

<b>Receiver</b> Freq. Range: 20–500 MHz Resolution: 1 kHz Detection: AM/FM Outputs: IF/Video/Audio Tuning Speed: 5 ms	<b>Search Controller</b> Microprocessor: 8088 Input: IEEE488 or RS232C Modes: Step, Scan, Priority Sweep: Cont., Dwell, Freeze Control: Master/Slave
<b>IF Display</b> Sensitivity: –90 dBm Resolution: 15 kHz IP 3: +10 dBm CRT: 1" x 3" Response: Log/Linear	<b>Signal Activity Monitor</b> Microprocessor: 8088 Output: C.O.F. Controls Display Displays Amplitude Selects Signal

For further information, please call, or write to, our Marketing Department, Reaction Instruments, Inc. 475 Springpark Place, Herndon, VA 22070  
Phone (703) 471-6060, TWX 710 833 9031

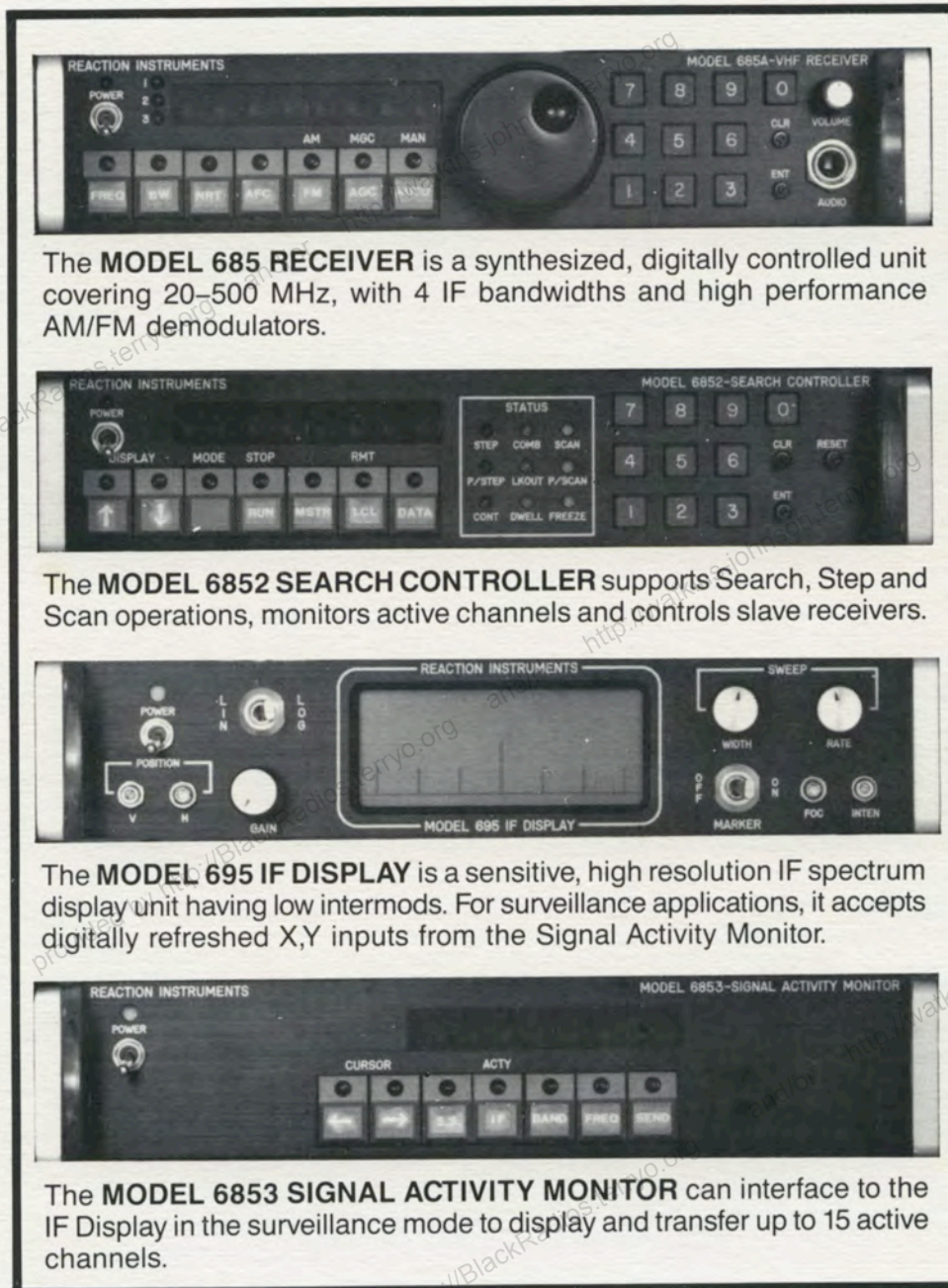


**REACTION  
INSTRUMENTS**

# VHF/UHF RECEIVER SYSTEM

VHF/UHF SYSTEM ELEMENTS. . .

. . . Enhance System Performance as Stand-Alone Units



The **MODEL 685 RECEIVER** is a synthesized, digitally controlled unit covering 20-500 MHz, with 4 IF bandwidths and high performance AM/FM demodulators.

The **MODEL 6852 SEARCH CONTROLLER** supports Search, Step and Scan operations, monitors active channels and controls slave receivers.

The **MODEL 695 IF DISPLAY** is a sensitive, high resolution IF spectrum display unit having low intermods. For surveillance applications, it accepts digitally refreshed X,Y inputs from the Signal Activity Monitor.

The **MODEL 6853 SIGNAL ACTIVITY MONITOR** can interface to the IF Display in the surveillance mode to display and transfer up to 15 active channels.

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REACTION INSTRUMENTS' Model 685A Receiver System can be optionally expanded to include Slave Receivers, Preselectors, UHF/VHF Downconverters, IF to Tape Converters, Multicouplers and Matrices.