



GENERAL COVERAGE RECEIVER

# FRG-8800





# YAESU

# FRG-8800

All Mode/Selectable IF-BW  
Multi-Scanner  
8-bit Microprocessor  
S/SINPO Graphic Indicator  
Dual 24-hour Clock  
CAT System Computer Control  
Wide-band VHF Option

## GENERAL COVERAGE COMMUNICATIONS RECEIVER

### DESCRIPTION

This spectacular new all-band, all-mode general coverage shortwave receiver combines the finest features of Yaesu's previous world famous FRG-series receivers with the most recent developments in microcomputer technology, offering functionality and convenience never before available — even in much more costly equipment, for serious shortwave listening and professional monitoring.

Featuring a large liquid crystal display with 100Hz frequency resolution and including a unique S/SINPO "bar graph" type indicator, the FRG-8800 also incorporates a 21-button keypad for digital frequency entry and programming of the 12 internal memories and multi-function scanner. AM, SSB, CW and FM modes are pushbutton selectable with both wide and narrow bandwidths (exc. SSB), and all mode data is stored in the memories along with frequency.

Selectable AGC rates, noise blanking widths and tuning rates are provided to ensure comfortable listening and easy operation even under adverse band conditions. Two 24-hour clocks with an automatic timer are provided for selectable display of local and universal time, and automatic power switching of the receiver and auxiliary recording

equipment at preprogrammed time and frequency. All-mode squelch, tone and attenuator controls are also provided.

At the heart of the FRG-8800 is an 8-bit cpu controlling all of the tuning, mode selection, scanning, memory and clock functions. Three scanning modes are available through the keypad, by which either all or only selected memories can be scanned, or all frequencies between two memories (at selectable rates and steps).

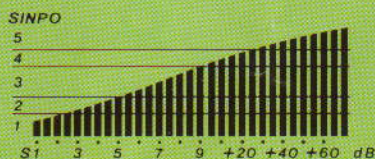
The Yaesu CAT System allows operators with personal computers to add other functions as desired, such as unlimited additional memories, automatic tuning, customized scanning systems and even voting reception, using most any personal computer and a Yaesu FIF CAT Interface Unit.

The FRV-8800 VHF converter, which mounts inside the FRG-8800, is available as an option to add the range of 118 to 173.999 MHz to the receiver. The FRA-7700 Active Antenna and FRT-7700 Antenna Tuner originally designed for the FRG-7700 are of course fully compatible with the FRG-8800. 12V DC operation is optional.



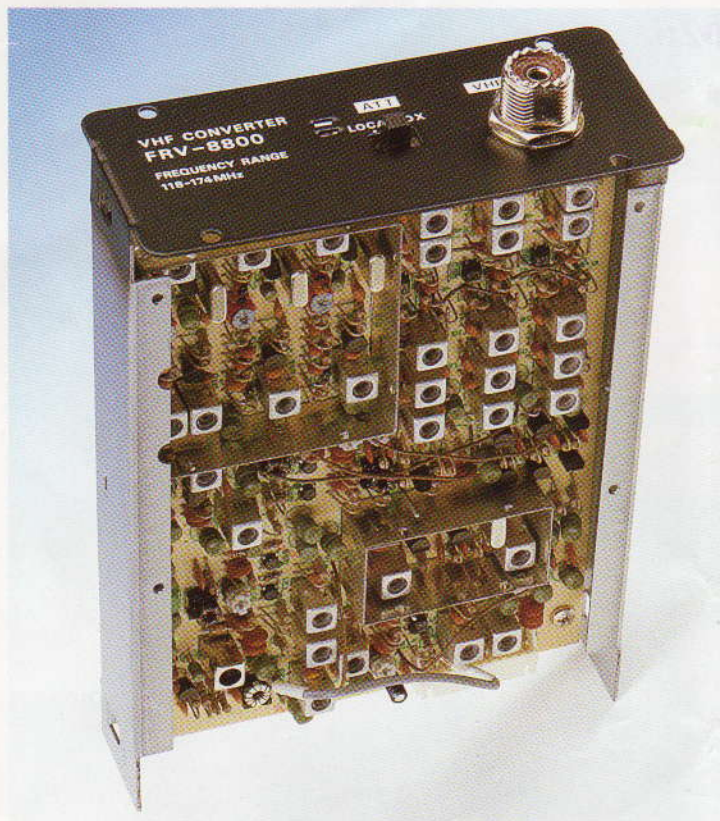


Wide-angle Liquid Crystal Display (actual size) shows not only the receiving frequency but also signal strength on a "bar graph" type SINPO/S-meter, mode & NARROW/WIDE filter selection, scanning mode and selected memory channel; or UTC/Local Time.



**BUSY** P SCAN M SCAN S SCAN M SELECT  
 173.999.9 12 CH  
 MHz kHz  
 NARROW AM LSB USB CW FM

## OPTIONS



- FRV-8800 VHF Frequency Converter adds the range of 118 to 173.999 MHz to the FRG-8800. Aviation, Police, Fire, Marine, Local Agencies and Amateurs can be heard on these frequencies.
- FM-Wide Unit (not shown)
- FRA-7700 Active Antenna covers the range of 150 kHz to 30 MHz in 6 bands. A 1.2m telescoping antenna and transistorized pre-amplifier provide good performance for the listener who does not have an all-band outdoor antenna.



- FRT-7700 Antenna Tuner covers the range of 150 kHz to 30 MHz in 6 bands. This antenna matching unit allows optimum performance to be obtained with outdoor antennas. ON/OFF switch, step-attenuator up to 60 dB and 2-antenna selection switch included.



*Listen To What Everyone's Saying*





FROM:

STAMP  
HERE

TO:

## SPECIFICATIONS

**Frequency range:** 150 kHz–29.999 MHz (150 kHz–25.999 MHz and 2–29.999 MHz model is available as per request.)  
118–173.999 MHz VHF Optional

**Receiving Mode:** AM, SSB (LSB/USB), CW, FM-Narrow  
FM-Wide Discriminator Optional

**Sensitivity:** AM, SSB, CW S + N/N 10 dB or better  
FM (Narrow) S + N/N 20 dB or better

	AM	SSB/CW	FM
150 kHz – 1.6 MHz	30 $\mu$ V/50 $\Omega$	3 $\mu$ V/50 $\Omega$	–
1.6 – 29.999 MHz	4 $\mu$ V/50 $\Omega$	0.4 $\mu$ V/50 $\Omega$	1 $\mu$ V/50 $\Omega$
118 – 173.999 MHz*	10 $\mu$ V/50 $\Omega$	1 $\mu$ V/50 $\Omega$	2 $\mu$ V/50 $\Omega$

\* Optional Unit

**Selectivity:**

	AM	AM-Narrow	SSB/CW	FM-Narrow
6 kHz (–6 dB)	15 kHz (–50 dB)	2.7 kHz (–6 dB)	8 kHz (–50 dB)	12.5 kHz (–6 dB)
2.7 kHz (–6 dB)	8 kHz (–50 dB)	2.7 kHz (–6 dB)	8 kHz (–50 dB)	30 kHz (–40 dB)
2.7 kHz (–6 dB)	8 kHz (–50 dB)	2.7 kHz (–6 dB)	8 kHz (–50 dB)	30 kHz (–40 dB)
12.5 kHz (–6 dB)	30 kHz (–40 dB)	12.5 kHz (–6 dB)	30 kHz (–40 dB)	30 kHz (–40 dB)

**Frequency stability:** Within  $\pm$  300 Hz drift during the first half an hour after 1 minute of warm up. Within 50 Hz drift during any 30 minute period after warm up.

**Squelch sensitivity:**

	1.6–29.999 MHz	118–173.999 MHz*
AM, SSB, CW	2 $\mu$ V or better	4 $\mu$ V or better
FM-Narrow	0.5 $\mu$ V or better	1 $\mu$ V or better

\* Optional Unit

**Antenna impedance:**

150 kHz–29.999 MHz 50 ohms/500 ohms  
118–173.999 MHz (Optional Unit) 50 ohms

**Audio output:** 1.4W at 8 ohm load (10% THD)

**Audio output impedance:**

External speaker, Headphones 4 ~ 16 ohms

**Power requirements:**

100/120/220/240 VAC 50/60 Hz  
4.5 VDC for Memory Backup

**Power consumption:**

AC 35VA in operation (no signal input)  
AC 5VA Power Switch OFF

**Dimensions:** 334W x 118H x 225D mm

**Weight:** 6.1 kg (without VHF Unit)

Specifications subject to change without notice or obligation.



**YAESU MUSEN CO., LTD.**

C.P.O. BOX 1500, TOKYO, JAPAN

**YAESU U.S.A.**

17210 Edwards Rd. Cerritos, California, 90701 U.S.A.

**YAESU EUROPE B.V.**

Snipweg 3, 1118AA Schiphol The NETHERLANDS