

FRG-7700

HIGH-PERFORMANCE ALL MODE COMMUNICATIONS RECEIVER





YAESU — THE SYMBOL OF TECHNICAL EXCELLENCE — LISTEN TO THE WORLD

The shortwave listener's dream—to have the best—is now a reality. YAESU, the leader in quality communications equipment, proudly introduces the FRG-7700 all mode communications receiver, featuring significant advances in circuit design and operating convenience.

FEATURES

■ GENERAL COVERAGE

The model FRG-7700 is a high-performance, all solid-state, communications receiver designed to cover the low, medium and high-frequency spectrum from 0.15 MHz to 29.999 MHz.

■ ALL MODE CAPABILITY

A unique feature of the FRG-7700 is its all mode capability—SSB (USB, LSB), CW, AM, and FM. The FM mode is especially useful when the FRG-7700 is teamed with a VHF converter.

■ DIGITAL FREQUENCY/TIME DISPLAY

The FRG-7700 digital display unit allows you to display the operating frequency or time. Just turn a knob for selection of the desired function.

■ TWELVE MEMORY CHANNELS (OPTION) WITH BACKUP

As many as twelve memory channels may be programmed for instant return to a favorite station. The memory unit stores the entire frequency, which means you never have to change the bandswitch when switching channels. A backup feature is provided to hold the memory circuits when the FRG-7700 is turned off.

■ LSI CLOCK TIMER

If you want to record a program, but have to be away from your station, the FRG-7700 will do

it for you. The built-in digital quartz clock contains a timing feature that activates the receiver and internal relay contacts. Set the time you want to start and stop recording, hook up your tape recorder, and your FRG-7700 will do the rest.

■ WIDE DYNAMIC RANGE

The FRG-7700 is an up-conversion superheterodyne receiver, incorporating a 48 MHz first IF. The up-conversion technique and the individual filter networks in the front end eliminate most image problems, allowing you to receive weak signals. A high "I_{DSS}" JFET balanced mixer is utilized in the FRG-7700 to provide wide dynamic range for protection from cross modulation.

■ CONVENIENCE FEATURES

Selectable AGC, memory fine tuning, DIM switch for dimming the digital display, advanced noise blanker, and a variable RF attenuator provide the convenience you need for efficient operation. The front panel controls and switches are arranged in a logical manner, so you won't have to fumble for a knob when you need it quickly. See your dealer today about the exciting FRG-7700, the latest breakthrough from YAESU.

Calibrated S-meter aids in logging DX stations.

Selectable AGC: SLOW/FAST

Built-in front panel speaker produces sharp, clean audio.

Recording jack provides constant output level, regardless of the setting of the volume control.

Complete provision for reception of AM, FM, SSB, and CW signals. Three selectivity positions in the AM mode.

Audio filtering provides selection of the desired fidelity.

State-of-the-art noise blanker eliminates most types of pulse noise which can obliterate weak signals.



Built-in digital display provides for time and frequency indication.

Timing feature for turning receiver on/off, plus control of external equipment such as a tape recorder.

The DIM switch allows dimming of the Digital Display, meter, and dial.

The function switch controls the operation of the digital display.

Front panel TIME SET switches make time setting a breeze.

Twelve memory channels are available for storage and recall of any frequency instantly (optional).

Full band coverage: 150 kHz — 29.999 MHz

Continuously variable RF attenuator minimizes front-end overload.

MEMORY FINE TUNING and FM SQUELCH controls located on concentric shafts.

The main tuning knob determines the receiving frequency.

SPECIFICATIONS: FRG-7700

Frequency Range:

150 kHz – 29.999 MHz (30 bands)

Modes:

AM, SSB (USB, LSB), CW, FM

Sensitivity:

	AM	SSB/CW	FM
0.15 MHz – 0.3 MHz	30 μ V/ 500 ohms	3 μ V/ 500 ohms	—
0.3 MHz – 2 MHz	25 μ V/ 500 ohms	2 μ V/ 500 ohms	—
2 MHz – 29.999 MHz	5 μ V/ 50 ohms	0.5 μ V/ 50 ohms	1 μ V/ 50 ohms

Selectivity:

	AM W (Wide)	12 kHz (–6 dB)	25 kHz (–50 dB)
AM M (Medium)	6 kHz (–6 dB)	15 kHz (–50 dB)	
AM N (Narrow)	2.7 kHz (–6 dB)	8 kHz (–50 dB)	
SSB/CW	2.7 kHz (–6 dB)	8 kHz (–50 dB)	
FM	15 kHz (–6 dB)	30 kHz (–40 dB)	

Stability:

Less than ± 300 Hz drift for any 30 minute period after warm-up.

Antenna Impedance:

0.15 MHz – 2 MHz BC: 500 ohms (unbalanced)

2 MHz – 29.999 MHz SW/BC: 50 ohms (unbalanced)

Audio Output:

1.5 Watts (8 ohms, 10% THD)

Speaker Impedance:

8 ohms

4 – 16 ohms for external speaker or headphone

Power Requirement:

100/120/220/240 volts, AC 50/60 Hz

Power Consumption:

	Standard Unit	With Memory Unit
Standby:	AC 10 VA	AC 10 VA
ON:	AC 33 VA	AC 39 VA

Size:

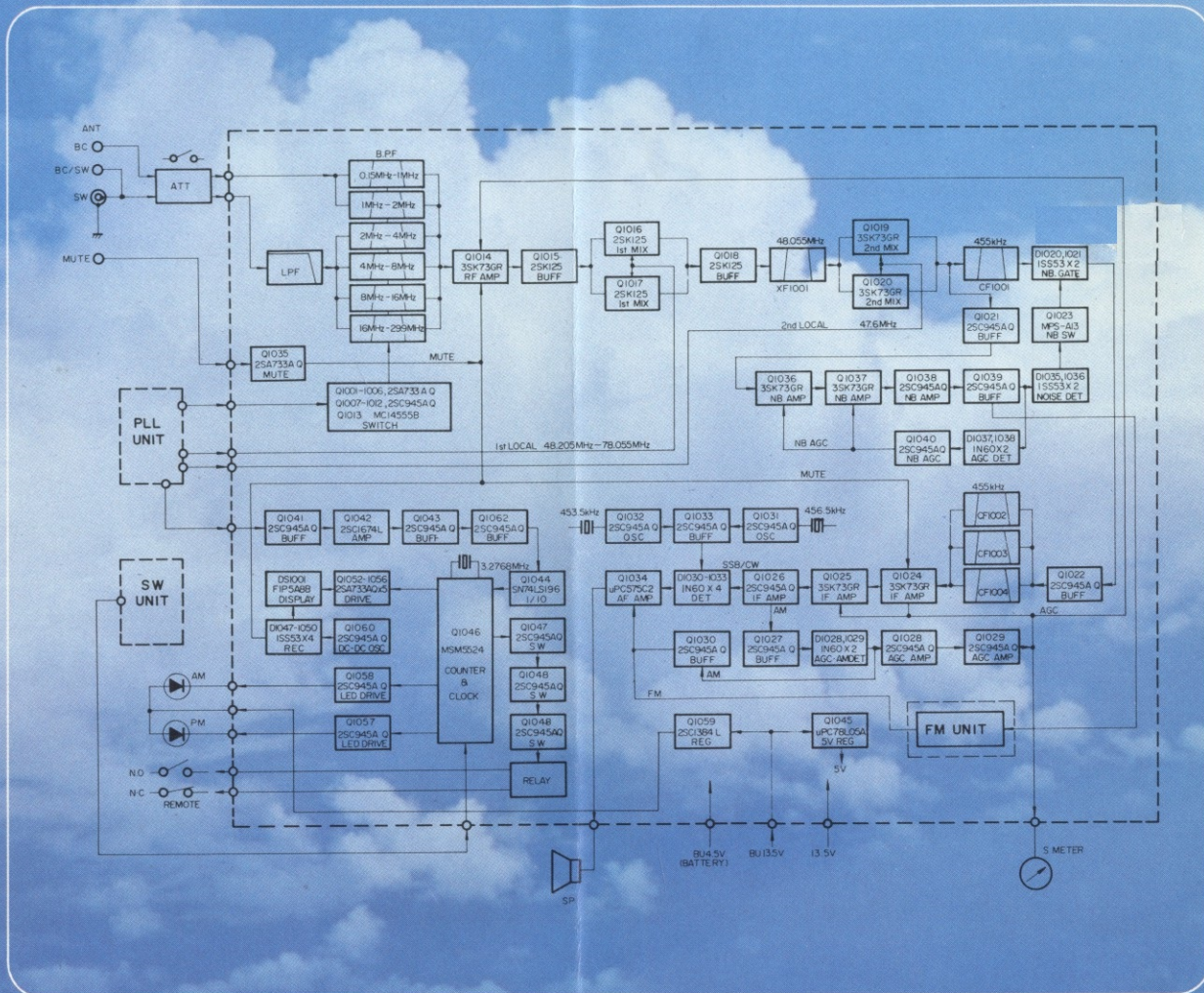
334 (W) x 129 (H) x 225 (D) mm

Weight:

Approx. 6 kg

6.5 kg (with optional Memory Unit)

Specifications subject to change without notice or obligation.



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