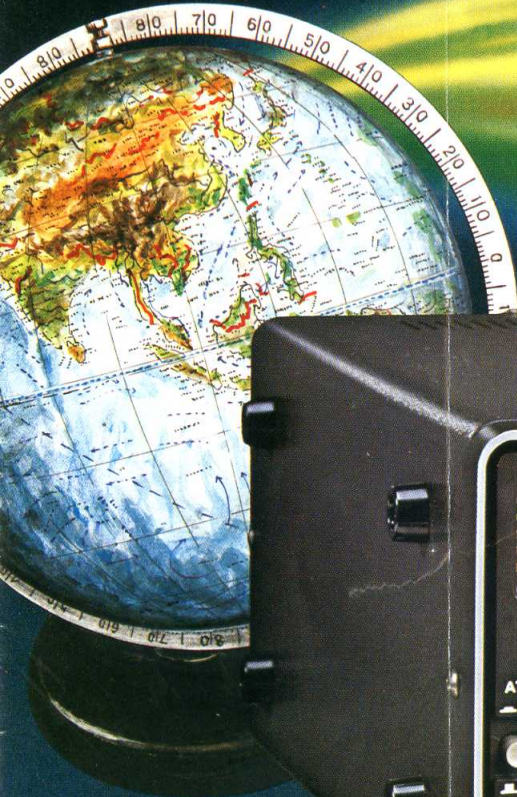
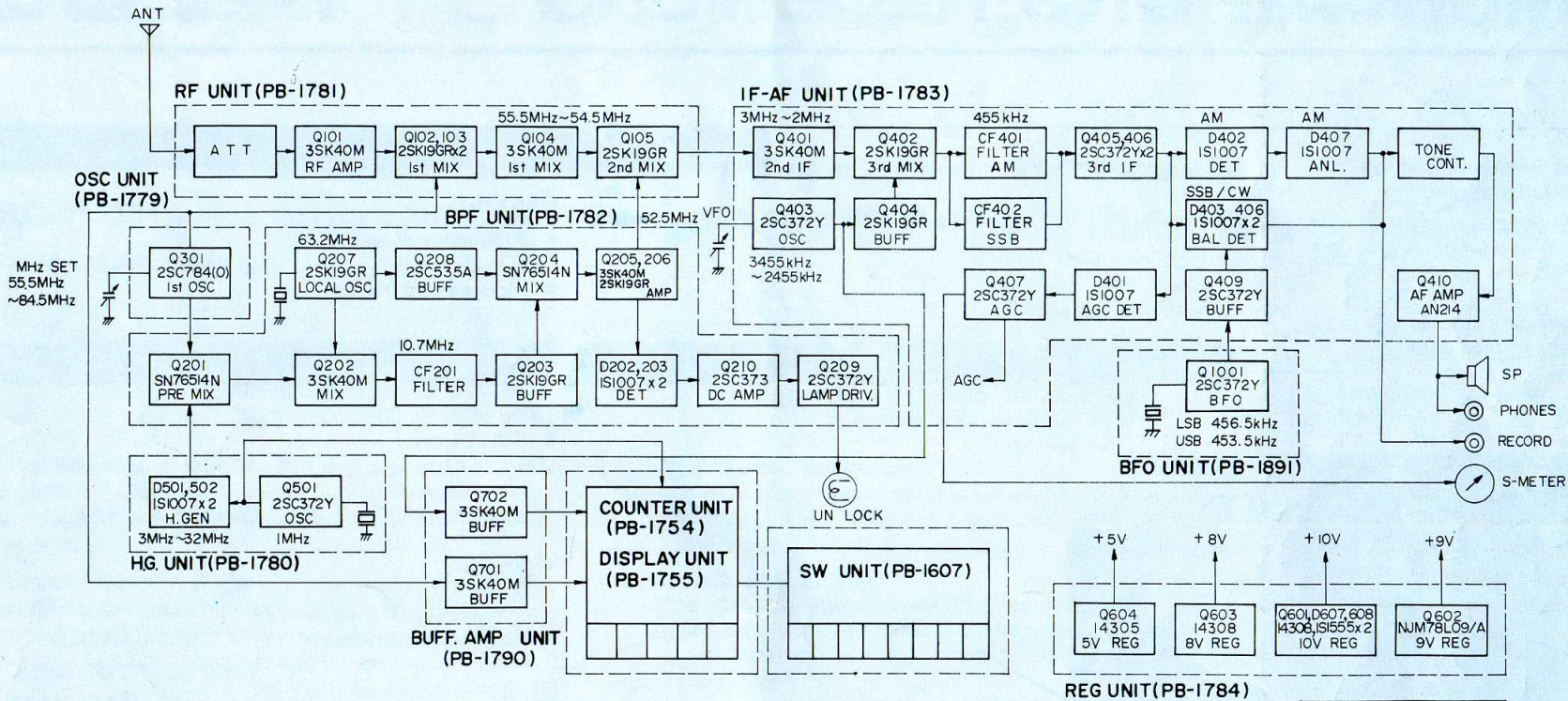


# FRG-7000 COMMUNICATIONS RECEIVER



**DIGITAL** FREQUENCY DISPLAY  
CLOCK/TIMER





**FRG-7000**  
**BLOCK DIAGRAM**



**YAESU MUSEN CO., LTD.**  
C.P.O. BOX 1500, TOKYO, JAPAN

**YAESU ELECTRONIC CORPORATION**  
P.O. BOX 498,  
PARAMOUNT, CALIFORNIA 90723

Printed in Japan

Calibrated S-meter aids in logging those DX stations.

Full MF/HF coverage from 250 kHz to 29.9 MHz.

Built-in digital clock, settable to your local plus GMT time. Front panel lever switches make time setting a breeze.

Digital frequency display, using large, easy-to-read light-emitting diodes.

RF attenuator to minimize front-end overload.

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



Fine tuning control for precise zeroing on those weak signals.

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

Color-coded preselector labeling for quick peaking of the receiver for maximum sensitivity.

Complete provision for reception of AM, SSB, and CW signals.

Audio filtering provides selection of the desired fidelity.

## GENERAL

■ **Frequency range:**

0.25 – 29.9 MHz

■ **Modes of operation:**

AM, SSB, CW

■ **Sensitivity:**

SSB/CW--Better than 0.7  $\mu$ V for S/N

10 dB AM--Better than 2  $\mu$ V for S/N

10 dB (400 Hz 30% modulation).

■ **Selectivity:**

SSB/CW  $\pm$ 1.5 kHz (-6 dB),  $\pm$ 4 kHz

(-50 dB)

AM  $\pm$ 3 kHz (-6 dB),  $\pm$ 7 kHz

(-50 dB)

■ **Stability:**

Less than  $\pm$ 500 Hz drift for any 30

minute period after warm-up.

■ **Antenna requirements:**

Random wire for 0.25–1.6 MHz

50 ohm unbalanced feed for 1.6–

29.9 MHz

■ **Speaker impedance:**

4 ohms

■ **Audio output:**

2 watts

■ **Power requirements:**

100/110/117/200/220/234 VAC, 50/

60 Hz

■ **Power consumption:**

25 VA

■ **Size:**

360(W) x 125(H) x 295(D) mm

■ **Weight:**

Approx. 7 kg

**Yaesu, the leader in quality communications equipment, proudly introduces the FRG-7000: a high performance general coverage receiver for the discriminating shortwave listener.**

## FEATURES

### ■ Full Coverage

Full MF/HF coverage from 0.25-29.9 MHz, with provision for SSB and AM voice, as well as CW (Morse Code) reception.

### ■ Digital Frequency Display

Digital frequency display gives resolution to 1 kHz, using large, bright LED's for maximum readability.

### ■ Digital GMT/Local Clock

A built-in digital clock can be set to your local time plus GMT time. Just flick a switch for selection of the desired time.

### ■ CPU Clock Timer

If you want to record a program, but have to be away from your station, the FRG-7000 will do it for you. The 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-7000 will do the rest.

### ■ Advanced Technology

An FET front end provides excellent sensitivity, and the "Wadley Loop" heterodyne oscillator yields rock-solid stability.

### ■ AM Noise Limiter

The AM Automatic Noise Limiter provides noise-free reception in the AM mode, and the amplified Automatic Gain Control circuitry minimizes distortion due to fading.

### ■ Versatile Operation

The built-in AC power supply allows operation from 100/110/117/200/220/234 volts AC, 50/60 Hz. The front panel digital display and lamps may be turned off during operation, for energy conservation.

### ■ Human Engineering

Ease of operation is ensured by careful selection of positions for controls and switches. You'll never own a receiver that's easier to use.