



ICOM

RADIO PRODUCTS - AMATEUR
HF Transceiver

IC-7600 HF/50MHz All Mode Transceiver

Push Performance to the Pinnacle



The latest DSP technologies developed for the IC-7800/7700 plus over 45 years of analog circuit expertise give the IC-7600 the performance advantage. The flagship's lineage: dual DSP units, 3kHz 1st (roofing) filter, double-conversion superheterodyne, all direct descendants of the IC-7800/7700.

Dual DSP: Separate DSP units for transmitter/receiver and spectrum scope.

1st IF Filter: Three built-in 1st IF (roofing) filters – 3, 6 and 15 kHz.

Receiver System: The double-conversion superheterodyne system and the image rejection mixer improve in band IMD.

Display: 5.8-inch WQVGA (400×240 pixels) ultra-wide viewing angle TFT display with long-life LED backlighting.

Spectrum Scope: High-resolution real-time spectrum scope using a dedicated DSP unit.

USB Connectors: Easily connect keyboards, flash memory drives and PCs.

Download the USB driver now!

PSK Operation: Built-in PSK and RTTY operation with a USB keyboard - PC not required.

Compare the IC-7600 to the IC-756PROIII, IC-7700 and IC-7800!

Other features

[Antenna connectors]

Two Tx/Rx antenna connectors with automatic antenna selector

Rx antenna In/Out connector for receiver antenna or external alternator

[Receiver]

General coverage receiver covers from 30kHz to 60MHz

(* Some frequency bands are not guaranteed, depending on version)

Two types of receiver preamplifiers: Preamp 1: Increase low level signal improving intermodulation characteristics Preamp 2:

High gain preamplifier

Built-in 3-step RF attenuator (6,12 and 18dB)

[Transmitter]

Tx monitor

50 CTCSS tone encoder and decoder

All mode power control

VOX capability (Voice operated transmission)

[CW mode]

Multi-function electronic keyer with adjustable keying speed, dot-dash ratio and paddle polarity and bug key function

DSP controlled CW keying waveform shaping

Frequency lock function for split operation

The normal (default) CW carrier point is selectable from USB and LSB

APF (audio peak filter) function with soft/sharp filter shape

Double key jack system

Full break-in function and semi break-in function

CW pitch control from 300 to 900Hz

Adjustable CW envelope

[Operation]

Set mode function for flexible and speedy setting

Memory pad stores up to 10 (or 5) operating frequencies

Quick split function enables split operation with a single action

Digital meter indicates output power, ALC level, SWR, COMP (compression level), Id (drain current of the final amplifier) and

VD (voltage of the final amplifier)

Single knob control from squelch volume to RF gain

RIT and ∂ Tx variable up to ± 9.999 kHz

Quick RIT/ ∂ TX clear function

UTC/Local Clock and timer function

1Hz pitch tuning and 1Hz indication

101 memory channels with 10-character comment

Built-in voice synthesizer announces operating frequency, mode and receiving signal strength

Programmed scan, memory scan, select memory scan, VSC scan and ∂ F scan

Auto tuning step function

Band edge beep

Main dial tension control and dial lock

CI-V interface capability and RS-232C connector for PC connection

AH-4 control circuit

Triple band stacking register

FFT scope wave averaging function

Screen saver function