ICOM

HF/50MHz TRANSCEIVER

IC-7200

Simple & Tough with IF DSP

* The above photo includes optional MB-116 handles.
**Simple & Tough with IF DSP**

**IF DSP**
The latest IF DSP technology is employed in the IC-7200. While the IC-7200 is an entry-class transceiver, advanced digital features are comparable to higher class transceivers.

**AGC loop management**
Distortion and blocking from strong nearby signals are prevented by placing DSP functions inside the AGC loop. The AGC time constants are selectable from fast, slow and off for each operating mode.

**Digital IF filter**
Optional filters will be never required for the IC-7200. The built-in digital filter allows you to flexibly select the filter width and shape from soft and sharp* and provides cutting-edge filter characteristics.

* Filter shape is selectable for SSB and CW modes only.

**Digital Twin PBT**
Only Icom brings you Twin Passband tuning! Tailor your IF passband with the Twin PBT by electronically shifting the upper and lower edges of the IF filter. Depending on the use of the concentric knobs, you can either narrow the IF passband, or shift the entire passband to eliminate interfering signals.

**Digital noise reduction**
The digital noise reduction reduces background noise and improves the signal-to-noise ratio. The noise reduction level is adjustable in 16 steps. It improves the readability of voice and data signals.

**Digital noise blanker**
The noise blanker reduces pulse-type noise such as engine ignition and sparking. The NB level and width (blanking duration) are adjustable in 100 steps.

**High stability transmitter**
The DDS (Direct Digital Synthesizer) creates a clear, clean transmit signal and improves the C/N ratio. With a dual-fan cooling system, the IC-7200 provides stable high quality output even during high duty cycle operation.

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<tr>
<td>CW</td>
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</tr>
<tr>
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<td>50–500Hz; 50Hz step, 600Hz–2.7kHz; 100Hz step</td>
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**High stability transmitter**
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The "rear bumper" protects various connectors on the rear panel and lets you stand the radio on its rear end when the antenna is disconnected, such as while moving or packing the radio.

USB port for PC control
The IC-7200 can be controlled by a PC through a USB port using the CI-V data format. In addition, modulator and received audio can also be transferred over the USB cable. By using appropriate external software, you can record incoming calls and/or transmit preprogrammed messages from your PC.

RF speech compressor
The digital RF speech compressor increases your average talk power in SSB mode. Even when the compression level is increased, the DSP controlled RF speech compressor provides low distortion audio.

Rugged design for outdoor use
The rugged design of the IC-7200 means your enjoyment of this rig is not limited to your shack only.

Other features
- RIT • VOX
- ±0.5ppm frequency stability
- LCD backlight (Hi/Lo/Off)
- CI-V interface
- 201 memory channels
- Built-in 20dB attenuator
- Preamplifier • Dial lock
- Auto TS function • 1Hz step tuning
- Band stacking register
- Built-in voice synthesizer • Quick split
- Front facing speaker • Quick set mode

Tough construction against water intrusion
Waterproof protection technologies that are used in Icom’s marine radios are applied to the buttons and knobs on the front panel to provide a measure of protection against water intrusion.

* IC-7200 is NOT waterproof.

CW mode operation
Full break-in, selectable CW carrier point (USB or LSB) and adjustable CW pitch are also standard.

IC-7200
HF/50MHz TRANSCEIVER
SPECIFICATIONS

GENERAL

- Frequency range:
  - 40.0 to 40.9999 MHz
  - 180.0 to 180.9999 MHz
  - 30.0 to 30.9999 MHz
  - 50.0 to 50.9999 MHz
  - 1.8 to 1.99999 MHz
  - 3.5 to 3.99999 MHz
  - 28.0 to 29.7 MHz
  - 50.0 to 54.000 MHz
  - 21.000 to 21.450 MHz
  - 24.890 to 24.990 MHz
  - 14.000 to 14.350 MHz
  - 18.068 to 18.168 MHz
- External speaker: SP-20
- CI-V LEVEL
- Frequency resolution: 1 Hz
- Frequency stability: Less than ±50 ppm
- Power supply requirement: 13.8 V DC ±15% (negative ground)
- Power output: 5 W
- Input impedance: 8 Ohm
- No. of memory channels: 201 Ch. (199 regular, 2 scan edges)
- Power supply: 110 V AC/60 Hz, 220 V AC/50 Hz
- Transmit power: 50 W
- Receive system: Triple-conversion superheterodyne
- Intermediate frequencies: 64.455 MHz, 455 kHz, 15.625 kHz
- Carrier suppression: More than 50 dB
- Spurious emissions: More than 70 dB
- Audio output power: More than 2 W/4 Ohm
- Spurious and image rejection ratio: More than 60 dB
- RIT variable range: ±9.999 kHz
- EXT speaker connector: 2-conductor 3.5 (d) mm (1/8") plug

TRANSMITTER

- Modulation system
  - SSB
  - AM
- Output power
  - SSB, CW, RTTY
  - AM
- Carrier suppression
- Spurious emissions (Unwanted emission): More than 50 dB
- Microphone connector: 8-pin connector (600 Ω)
- Intermediate frequencies
  - 64.455 MHz
  - 455 kHz
  - 15.625 kHz
- Transmit frequencies
  - 1.800 to 1.99999 MHz
  - 3.500 to 3.99999 MHz
  - 28.000 to 29.700 MHz
  - 50.000 to 54.000 MHz
- Sensitivity
  - (1 dB S/N, Preamp ON) SSB, CW
  - FM

RECEIVER

- Sensitivity
  - (1 dB S/N, Preamp ON)
  - AM
  - FM
  - SSB
  - CW
  - RTTY

- Intermediate frequencies
  - 455 kHz
  - 15.625 kHz
  - 64.455 MHz

- Spurious emissions (Unwanted emission)
  - More than 70 dB

- Audio output power
  - More than 2 W/4 Ohm

- Spurious and image rejection ratio
  - More than 60 dB

- RIT variable range
  - ±9.999 kHz

- EXT speaker connector
  - 2-conductor 3.5 (d) mm (1/8") plug

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

Covers all HF and 50 MHz bands, provides clean, stable 1 kW output. Automatic antenna tuner and compact detachable controller are standard. 2 exector inputs are available. (An optional OPC-599 is required.)

- External speaker
- Dynamic desktop microphone
- MOBILE MOUNTING BRACKET
- Cable adapter

ICOM Inc.

Count on us!

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