Simple & Tough with IF DSP

* The above photo includes optional MB-116 handles.
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.

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.

Manual notch filter
The manual notch filter delivers more than 70dB of attenuation. Strong interfering tones will be eliminated without adversely affecting the AGC loop performance. On the bottom right of the front panel, a dedicated control knob adjusts the notch filter frequency.

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.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Passband width range</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSB</td>
<td>50–500Hz; 50Hz step</td>
</tr>
<tr>
<td></td>
<td>600Hz–3.6kHz; 100Hz step</td>
</tr>
<tr>
<td>CW</td>
<td>50–500Hz; 50Hz step</td>
</tr>
<tr>
<td></td>
<td>600Hz–3.6kHz; 100Hz step</td>
</tr>
<tr>
<td>RTTY</td>
<td>50–500Hz; 50Hz step</td>
</tr>
<tr>
<td></td>
<td>600Hz–2.7kHz; 100Hz step</td>
</tr>
<tr>
<td>AM</td>
<td>200Hz–8kHz; 200Hz step</td>
</tr>
</tbody>
</table>

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

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

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.

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
**SPECIFICATIONS**

**GENERAL**
- Frequency range: 0.0030–60.000000 MHz
- Input impedance: 8
- 4 audio filters; headphone jack; can
- Max. input power: 5W
- All other trademarks are the properties of their respective holders.
- Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia and/or other countries.

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

**IC-PW1/IC-PW1EURO**
HF+50 MHz 1 kW
IC-PW1/IC-PW1EURO

**TRANSMITTER**
- Modulation system:
  - SSB: Digital PSK modulation
  - AM: Digital Low power modulation
- Output power:
  - SSB, CW, RTTY: 1–100 W
  - AM: 1–40 W
- Spurious emissions (Unwanted emission):
  - HF bands: More than 50dB
  - 50MHz band: More than 63dB
- Carrier suppression:
  - More than 50dB
- Microphone connector:
  - 8 pin connector (600Ω)

**RECEIVER**
- Intermediate frequencies: 64.455MHz, 455kHz, 15.625kHz
- Sensitivity (10dB S/N, Preamp ON, Filter shape sharp):
  - SSB, CW: Less than 0.16μV (1.8–29.995MHz)
  - AM: Less than 0.13μV (50MHz band)
- Unwanted sideband:
  - More than 50dB
- Carrier rejection ratio (Except 1
- Squelch sensitivity (SSB, threshold, Preamp ON):
  - Less than 5.6 μV
- Selectivity:
  - SSB (BW: 2.4kHz, sharp)
  - CW (BW: 500Hz, sharp)
  - RTTY (BW: 350kHz)
  - AM (BW: 6kHz)
- Spurious and image rejection ratio:
  - More than 0.5kHz/–60dB
  - More than 2.0kHz at 10% distortion with an 8Ω load
  - RTF variable range:
  - ±69kHz
- EXT SP connector:
  - 2-conductor 3.5 (mm) (1/8") Ø

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

**OPTICAL**
Cables are available in various lengths. Please ask your dealer for details.

**ICOM**

**Supplied accessories:**
- Hand microphone
- DC power cable
- Sidespares

All stated specifications are subject to change without notice or obligations.

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