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.

**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.

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<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>
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.

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.

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

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GENERAL

- Frequency range: 28.000–29.700MHz 50.000–54.000MHz

- Modulation system:
  - SSB
  - AM

- Power supply requirement: 13.8V DC ±15% (negative ground)

- Dimensions: 241×84×281 mm

- Frequency range: 9 1
  - 21.000–21.450MHz
  - 24.890–24.990MHz

- \[ \begin{align*}
- \text{Frequency range} & : 28.000–29.700MHz \\
- & 50.000–54.000MHz
- \end{align*} \]

- • Power rating: more than 500W
- • Spurious emissions: more than 50dB
- • Squelch sensitivity: more than 20dB
- • Squelch time delay: less than 0.15s
- • Squelch operating range: more than 10dB

- *1: See data sheet for details.

- **: Provided accessory.