HF/VHF/UHF ALL MODE TRANSCEIVER

IC-706MKIIIG

160m - 70cm
HF + 6m + 2m + 70cm

Meets MIL-STD 810

The amazing evolution of the ‘706’ series...

Icom Inc.
THE AMAZING EVOLUTION OF THE ‘706’ SERIES...

IC-706
This ground-breaking transceiver offered mobile-sized compactness—including a detachable front panel, with base station class performance and features. And all mode operation from the HF bands to VHF.

IC-706MKII
The IC-706MKII incorporated all of the wizardry of the IC-706 with refined features and user-friendliness, as well as enhanced performance.

The IC-706MKIIIG carries on the ‘706’ series tradition of base station performance and features in a mobile rig-sized package. Building on this legacy, frequency coverage is expanded to the 70 cm band and output power is increased for the 2 m band. A long list of enhancements, both to usability and performance, as well as added features and functions have produced the latest in the evolution of the ‘706’ series.

160m-70cm

HF/VHF/UHF ALL MODE TRANSCEIVER
IC-706MKIIIG

HF 6m 2m 70cm
HF to 70 cm band coverage
Operating frequency range has been expanded to the 70 cm band. Of course, all mode operation (SSB, CW, RTTY, AM and FM) is possible and a full 100 W of output power is available for HF and 6 m operation; 50 W for 2 m and 20 W for 70 cm operation.

High stability transmitter
MOS-FET power amplifiers are employed at the PA unit for all HF, 6 m, 2 m and 70 cm bands. And, a one piece aluminum, die-cast chassis with a large cooling fan is employed. This combination provides stable, high quality output with low IMD and low spurious emissions even during full duty cycle and extended operation.

Compact with detachable panel**
The IC-706MKIIG is very compact at 167(W) x 58(H) x 200(D) mm** and weighs a mere 2.5 kg**, making it ideal for DX-peditions, etc. A detachable front panel allows easy installation in your shack or in a wide variety of mobile applications.

**An optional separation cable is required; **6½'(W) x 2½'(H) x 7½'(D) in; **5.5 lb.

Tone squelch standard
Tone squelch operation is available in FM mode for basic signalling and quiet standby. Tone frequencies can be set independently for tone squelch (Tx/Rx) and repeater tones, and a range of 50 frequencies is available. A tone scan function is available to search for a repeater's access tone quickly and easily.

Optional high frequency stability
±0.5 ppm of high frequency stability is provided when an optional CR-282 high stability crystal unit is installed.

DMP features
DSP capabilities are available*. These include noise reduction and auto notch functions. Superior receive quality in your shack, vehicle or during DXpeditions.

*AF DSP UT-106 DSP unit required for some versions.

Illuminated keys and switches
Backlighting of keys and switches is a great help during nighttime operation—the intensity is even adjustable!

Automatic repeater function*
An automatic repeater function is available and repeater frequencies can be programmed via a special operation. This eliminates the need for repeater settings for 6 m, 2 m or 70 cm repeater operation.

*Standard for USA version, programming required for others.

Simple operation
The individual band change key, a sub dial and quick band change capability provide simple operation. The individual band change key allows quick and easy OSY, the sub dial enhances mobile and memory operation, and the quick band change capability selects pre-set frequency bands with the last-used frequency and mode. Also, each band can store preamplifier/attenuator and tuner on/off settings.

Simple band scope function
This function sweeps ±14 steps from the displayed frequency and plots received signal strength on the function display. This function is useful not only for checking HF band conditions, but also for seeking vacant frequencies during VHF or UHF FM operation.

Narrow FM capability
For FM operation on the 10 m or the 2 m (where narrow FM is required) bands, the IC-706MKIIG has narrow FM capability that allows you to take advantage of this operating mode.

107 memory channels with alphanumeric name capability
99 channels can memorize both transmit and receive frequencies separately; 5 channels are for programmed scan edges and 2 channels are for call memory for the 2 m and 70 cm bands. And, up to 9-character alphanumeric names can be programmed into each memory channel.

And more...
- Up to 3 selectable passband widths • Built-in electronic keyer • CW reverse function • Adjustable CW pitch • Full break-in (QSK) • IF shift interference rejection • Superior audio characteristics • Continuously adjustable RF output power • VOX • AF speech compressor • RF gain control • Adjustable SSB carrier point • Quick scan types • Noise blanker • Receiver protection circuit • FIT • Selectable AGC time constant • Optional voice synthesizer • CI-V capability • Digital, multi-function S/RF meter • Optional antenna tuners (control circuit built-in)
**SPECIFICATIONS**

**GENERAL**
- Frequency coverage:
  - Receive: 0.000-195.999 MHz, 400-470.000 MHz
  - Transmit: 1.5-3.500 MHz, 0-10.000 MHz
  - 14.0-14.500 MHz, 16.050-16.185 MHz
  - 22.0-22.900 MHz, 24.0-24.050 MHz
  - 144.0-144.999 MHz, 430.0-430.000 MHz
- Modulation: SSB
- Modulation band: 1.5-3.500 MHz
- Power output: 1-3W
- Spurious emissions: Less than 63 dB (other bands)
- Sensitivity: 0.5 µV (other bands)
- Carrier suppression: More than 40 dB
- AM selectivity (nominal setting): More than 2.4 MHz
- AM/PF: More than 60 dB
- AM: More than 12 MHz
- FM: More than 12 MHz
- AM: More than 30 kHz
- FM: More than 30 kHz
- Interference frequency:
  - 100 kHz: 1.5-3.500 MHz
  - 450 kHz: 1.5-3.500 MHz
  - 2 MHz: 1.5-3.500 MHz
  - 3 MHz: 1.5-3.500 MHz
  - 6 MHz: 1.5-3.500 MHz
  - 10 MHz: 1.5-3.500 MHz
  - 20 MHz: 1.5-3.500 MHz
  - 40 MHz: 1.5-3.500 MHz
  - 50 MHz: 1.5-3.500 MHz
  - 60 MHz: 1.5-3.500 MHz
  - 200 MHz: 1.5-3.500 MHz

**OPTIONS**
- IC-PW1: HF/HF Linear Amplifier
- IC-PS: DC Power Supply (5VDC, 15VDC)
- IC-UT: UT-106 DSP Unit
- IC-MB: MB-62 Mobile Mounting Bracket
- IC-MB: MB-63 Mobile Mounting Bracket
- IC-MM: MB-65 Mobile Mounting Bracket
- IC-PB: MB-72 Carrying Handle
- IC-OPC: OPC-870/OPC-877 Separation Cables
- IC-SM: SM-20 Desktop Microphone

**Icom Inc.**
1-1-32, Kamimatsuzaka, Hino-ku, Tokyo 197-0035, Japan
Phone: 03-7373-9302
Fax: 03-7373-9313
URL: [http://www.icom.co.jp](http://www.icom.co.jp)

**Your local distributor/dealer:**

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**Icom America Inc.**
1-1901 Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 453-1070
Fax: (425) 453-1029
URL: [http://www.icomamerica.com](http://www.icomamerica.com)

**Icom Canada**
550 Glenlea Drive, Stouffville, ON L4A 3S9
Phone: (905) 764-2000
Fax: (905) 764-2001
URL: [http://www.icomcanada.com](http://www.icomcanada.com)

**Icom (Australia) Pty. Ltd.**
A.N.B. 88, 6008, Kew, Victoria, 3101, Australia
Phone: (03) 9879 0999
Fax: (03) 9879 0522
URL: [http://www.icomau.com](http://www.icomau.com)

**Icom New Zealand**
144 Marks Road, East Tamaki, Auckland, New Zealand
Phone: 09 274 4529
Fax: 09 274 4530
URL: [http://www.icomco.nz](http://www.icomco.nz)

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**Icom (Europe) GmbH**
Communication Engineering
Hambacher Str. 100, D-40225 Düsseldorf, Germany
Phone: (0211) 340 4757
Fax: (0211) 340 4739
URL: [http://www.icom.eu](http://www.icom.eu)

**Icom Spain S.L.**
Ordes de Grecia a Marra, 14, 28001, Madrid, Spain
Phone: (91) 380 30 76
Fax: (91) 380 30 76
URL: [http://www.icomspain.com](http://www.icomspain.com)

**Icom UK Ltd.**
Unit 3, St. Helens, Birchley, 95733, U.K.
Phone: 01227 741711
Fax: 01227 741742
URL: [http://www.icom.co.uk](http://www.icom.co.uk)

**Icom France S.A.**
Zee de la Paur, Rue Benjamin de Morais
BP 3504, 21830 Toulouse Cedex, France
Phone: 05 36 39 03 39
Fax: 05 36 39 03 06
URL: [http://www.icom-france.com](http://www.icom-france.com)

**Asicom Inc.**
EF 88, Sec. 1, Chong-Teh Road, Taichung, Taiwan, R.O.C.
Phone: (04) 2259 1999
Fax: (04) 2259 1874
URL: [http://www.asciicom.com](http://www.asciicom.com)

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**Beijing Icom Ltd.**
1035, Wangzhang Plaza, Xinhua Road, Beijing, China
Phone: (010) 6991 1537
Fax: (010) 6991 1533

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