



VHF/UHF ALL MODE TRANSCEIVER

IC-910H



**IMPORTANT
INFORMATION!**
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The New Dimension in the VHF/UHF World!

100W of stable output power

A powerful 100W* of output power is provided by the newly designed power amplifier circuit, which employs bipolar transistors in parallel. The combination of the aluminum die-cast chassis and effective cooling fan ensures stable output for continuous operation.

* 75W on 430MHz band and 10W on 1200MHz band

High performance receiver

The IC-910H offers 0.11 μ V of high sensitivity (at 10db S/N on SSB, CW mode), while the image and spurious responses are minimized for good signal fidelity. Used with the optional preamplifiers for each band, indispensable for obtaining weak signals in DX or satellite communication, you will experience top class receiving characteristics in the VHF/UHF bands.

Ready-to-install 1200MHz BAND UNIT

By installing the optional UX-910 1200MHz BAND UNIT, the IC-910H becomes an all mode tri-band transceiver. You can also enjoy cross band and full duplex operation. Measuring only 241(W) \times 94(H) \times 239(D) mm, and weighting 4.5kg (without UX-910)*, its compactness and light weight is convenient for field operation.

*approx; 9 $\frac{1}{2}$ (W) \times 3 $\frac{11}{16}$ (H) \times 9 $\frac{13}{32}$ (D) in.; 9 $\frac{29}{32}$ lb

9600bps packet operation

The IC-910H has two data sockets for simultaneous two band packet communications. Setting of the packet communication can be made easily in the set mode.

Satellite communication

In the satellite mode, the down/up link frequencies are displayed on the MAIN and SUB band respectively. Reverse/normal tracking and doppler shift compensation are standard, and 10 satellite memory channels store down/up link frequencies and operating mode.

And more

- All receiver functions, including IF shift, sweep, noise blanker, RF attenuator, also work in the SUB band
- The sweep function observes conditions around the set frequency
- 4 types of scanning are activated on each band independently
- The memory pad stores the operating frequencies and modes temporarily
- Electronic keyer with a dot/dash ratio control is built-in
- FM-narrow mode receivable (except 1200MHz band)
- 50 CTCSS tone encoder and one touch repeater function
- Optional UT-106 DSP UNIT available
- CI-V capability for PC control

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage : (Unit: MHz)

Version	144MHz band	430MHz band	1200MHz band**1
Europe	144.0-146.0	430.0-440.0	1240.0-1300.0
U.S.A.	144.0-148.0*	430.0-450.0	1240.0-1300.0
Australia	144.0-148.0	430.0-440.0	1240.0-1300.0
Sweden	144.0-146.0	432.0-438.0	1240.0-1300.0

* Receive: 136.0-174.0MHz (Guaranteed range: 144.0-148.0MHz)
- Mode : SSB, CW, FM, FM-N**2
- Frequency stability : ±3ppm (-10°C to +60°C)
- Frequency resolution : SSB, CW 1Hz
FM 100Hz
- No. of memory channels : 32B** (99 regular, 1 call, 6 scan edges for each band plus 10 satellite memories)
- Operating temperature range : -10°C to +60°C ; +14°F to +140°F
- Power supply requirement : 13.8V DC ±15% (negative ground)
- Current drain (at 13.8 V DC) :
 - Transmit
 - high 23.0A (8.0A at 1200MHz band**1)
 - low 7.0A (4.5A at 1200MHz band**1)
 - Receive
 - max.audio 2.5A (3.5A at 1200MHz band**1)
 - stand-by 2.0A (3.0A at 1200MHz band**1)
- Dimensions (projections not incl.) : 241(W)×94(H)×239(D) mm ; 9½(W)×3⅞(H)×9⅓½(D) in.
- Weight (approx.) : IC-910H 4.5kg ; 9²⁹/₃₂lb
UX-910 0.85kg ; 1⁷/₁₆lb
- Antenna connector : VHF SO-239 (50Ω)
UHF Type-N (50Ω)

TRANSMITTER

- Output power : 144MHz band 5.0-100W
(continuously adjustable)
430MHz band 5.0-75W
1200MHz band**1 1.0-10W
- Modulation system : SSB Balanced modulation
FM Variable reactance modulation
- Spurious emission : 144, 430MHz band Less than -60dB
1200MHz band**1 Less than -50dB
- Carrier suppression : More than 40dB
- Unwanted sideband : More than 40dB
- Microphone connector : 8-pin connector (600Ω)

OPTIONS

■ PREAMPLIFIERS

- **AG-25/AG-35/AG-1200 WEATHERPROOF PRE-AMPLIFIERS**
External all-weather, mast-mounting preamplifier for compensating for coaxial cable loss.
AG-25: for 144MHz band; AG-35: for 430MHz band; AG-1200: for 1200MHz band.

■ INTERNAL UNITS AND FILTERS

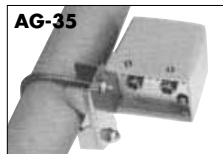
- **FL-132/FL-133 CW NARROW FILTERS**
FL-132 is for the main band; FL-133 is for the sub band operation.
Center freq.: 10.8491MHz (FL-132); 10.9491MHz (FL-133)
Passband width: 500Hz/-6dB

• CR-293 HIGH STABILITY CRYSTAL UNIT

- Frequency stability: ±0.5ppm at 0°C to +60°C.
- **UT-102 VOICE SYNTHESIZER UNIT**
Provides audible confirmation of frequency and mode with a clear, electronically-generated voice.
- **UT-106 DSP UNIT**
Provides AF DSP functions, such as noise reduction and auto notch. When 2 units are installed, the DSP function works for MAIN/SUB band simultaneously.
- **UX-910 1200MHz BAND UNIT**
Allows you additional all-mode operation on the 1200MHz band.

■ MICROPHONES AND SPEAKER

- **HM-12 HAND MICROPHONE**
- **SM-20 DESKTOP MICROPHONE**
- **SP-7 EXTERNAL SPEAKER (8Ω/5W)**
- **OTHERS**
- **CT-17 CI-V LEVEL CONVERTER**
- **IC-MB5 MOBILE MOUNTING BRACKET**
- **MB-23 CARRYING HANDLE**



Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: 06 6793 5302 Fax: 06 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

Count on us!

Icom America Inc.

<Corporate Headquarters>
2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 454-8155 Fax: (425) 454-1509
URL : <http://www.icomamerica.com>
<Customer Service> Phone : (425) 454-7619

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone: (604) 952-4266 Fax: (604) 952-0090
URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: 03 9387 0666 Fax: 03 9387 0022
URL : <http://www.icom.net.au>

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone: 09 274 4062 Fax: 09 274 4708

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: 0211 346047 Fax: 0211 333639
URL : <http://www.icomeurope.com>

Icom Spain S.L.

C/ta. de Gracia a Manresa Km. 14,750
08190 Sant Cugat del Valles Barcelona, SPAIN
Phone: (93) 590 26 70 Fax: (93) 589 04 46
URL : <http://www.icomspain.com>

Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
Phone: 01227 741741 Fax: 01227 741742
URL : <http://www.icomuk.co.uk>

Icom France S.a

Zac de la Plaine, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax: 561 36 03 00
URL : <http://www.icom-france.com>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone: (02) 2559 1899 Fax: (02) 2559 1874



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Your local distributor/dealer: