

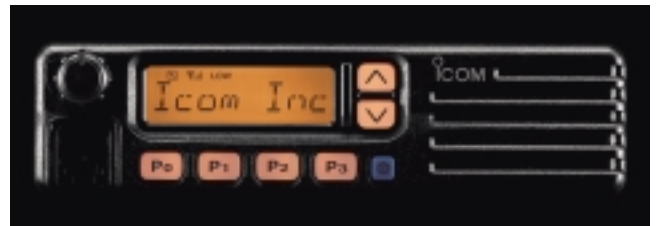


VHF AND UHF TRANSCEIVERS

IC-F110 IC-F210



- **8-Character Alphanumeric Display**
The alphanumeric LCD indicates channel, bank name and decoded text, etc. Various status icons for such functions as an S-meter and output power, etc., enhance the array of information available to the user.
- **128 Memory Channels with 8 Memory Banks**
Up to 128 channels with 8-character channel names can be stored and divided into 8 banks for flexible channel management.
- **6 Prog. Buttons and Independent Volume Knob**
The up/down and P0–P3 buttons allow you to customize the use of the IC-F110/F210 meet your specific needs. The independent volume knob provides quick and easy operation. An advanced radio that is simple to use.
- **Built-in 2-Tone, 5-Tone, CTCSS, DTCS Encoder and Decoder and DTMF Encoder**
Multiple signaling systems are equipped as standard. 8 DTMF auto-dialing memories are available. The optional DTMF decoder UT-108 provides ANI function.
- **4W (typ.) Front-mounted Speaker**
- **Programmable Wide/Narrow Channel Spacing for Each Channel**
- **Optional Voice Scrambler, UT-109/UT-110**



Icom Inc.

ADDITIONAL FEATURES

Advanced Multi 2-Tone/5-Tone systems

- Programmable actions when a matched tone is received
 - Bell icon indication ON/OFF/Blink
 - Answer back calls
 - Beep sounds
 - Scan Start/Stop
 - Auto transmission
 - Stun/Kill functions (prevents use of a lost or stolen radio)
 - External out for horn drive (Optional OPC-617 is required)
- 32 Tx and 9 Rx 5-Tone codes available
- 11 Tx and Rx 2-Tone codes available

Other features

- Hook scan function and Hook scan ON/OFF button are assignable
- 10 scanning lists and normal/priority scan
- Power on password
- Reduced chassis length (117.5mm) allows for easier installation
- External I/O terminal socket with optional OPC-617
- SmarTrunkII™ or LTR® Trunking capability with optional UT-105 or UT-111, respectively
- Backlit LCD and keys for night time operations
- Meets MIL-STD 810 C, D, E and F specifications

SPECIFICATIONS

GENERAL

- Frequency coverage :
 - IC-F110 136–174MHz
 - IC-F210 400–430MHz
 - 440–490MHz
- Number of channels : Max. 128, 8 banks
- Channel Spacing : 12.5/25kHz, 12.5/20kHz
- PLL channel step : 2.5, 3.125kHz (VHF)
- 5, 6.25kHz (UHF)
- Frequency stability : ±1.5kHz
- Operating temp. range : -25°C to +55°C
- Power supply voltage : 13.2V DC
- Current drain : Tx at 25W 7A
- Rx Max. audio 1200mA
- Stand-by 300mA
- Antenna impedance : 50Ω (SO-239)
- Dimensions : 150(W)×40(H)×117.5(D) mm
- Weight : 800g

TRANSMITTER

- Output power : 25W (at 13.2V DC)
- Max. frequency deviation : ±5.0kHz (wide)
- ±4.0kHz (middle)
- ±2.5kHz (narrow)
- Spurious emissions : 0.25μW (below 1GHz)
- Adjacent channel power : 70dB (wide, middle)
- 60dB (narrow)
- Mic. impedance : 600Ω (8-pin modular)

RECEIVER

- Sensitivity : -4dBμV typ. (emf) (at 20dB SINAD)
- Squelch sensitivity : -4dBμV typ. (emf, threshold)
- Adjacent channel selectivity : 75dB typ. (wide, middle)
- 65dB typ. (narrow)
- Spurious response : 75dB
- Intermodulation : 67dB typ.
- Audio output power : 4.0W typ. at 10% dist./4Ω load
- Ext. SP connector : 2-conductor 3.5(d)mm/4Ω

Applicable U.S. Military Specifications

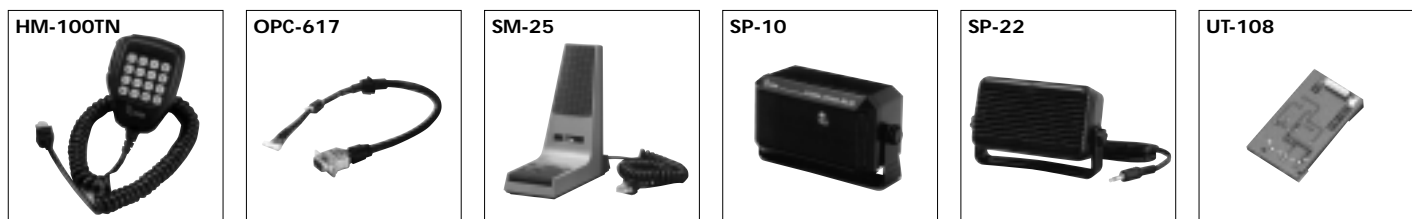
The IC-F110/F210 meets MIL-STD requirements and strict environmental standard for shock (MIL 810 C, D, E and F) and vibration (MIL 810 C, D, E and F).

Supplied Accessories	
<input type="checkbox"/> Hand mic. (HM-100N)	<input type="checkbox"/> DC power cable
<input type="checkbox"/> Mounting bracket kit	<input type="checkbox"/> Hanger kit
<input type="checkbox"/> Key assign stickers	

Measurements made in accordance with ETS 300 086. All stated specifications are subject to change without notice or obligation.

OPTIONS

- **HM-100TN** DTMF MICROPHONE
- **OPC-617** ACC CABLE
For external terminal connection.
- **SM-25** DESKTOP MICROPHONE
Convenient for dispatching, equipped with monitor switch.
- **SP-5/SP-10/SP-22** EXTERNAL SPEAKERS
Compact and easy-to-install.
Input impedance: 4Ω; Max. input power: 5W
- **UT-105** SmarTrunk II™ Logic Board
SmarTrunk II is a trademark of SmarTrunk Systems, Inc.
- **UT-108** DTMF DECODER UNIT
Provides DTMF decode and ANI capabilities.
- **UT-109** VOICE SCRAMBLER UNIT (Version 02)
- **UT-110** VOICE SCRAMBLER UNIT (Version 02)
The scrambler systems of the UT-109 and UT-110 are not compatible with each other. Ask your dealer for details.
- **UT-111** LTR® Trunking UNIT
LTR is a registered trademark of E.F. Johnson Company.



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

Your local distributor/dealer:

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 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>

Beijing Icom Ltd.
1305, Wanshang Plaza, Shijingshan Road,
Beijing, China
Phone: (010) 6866 6337 Fax: (010) 6866 3553
URL : <http://www.bjicom.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 (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>



Certificate Number Q14190
Icom Inc. (Japan), is an ISO9001 certification acquired company.

Icom New Zealand
146A Harris Road, East Tamaki, Auckland, New Zealand
Phone: 09 274 4062 Fax: 09 274 4708
URL : <http://www.icom.co.nz>

Icom France S.a
Zac de la Plaine, 1, Rue Brindejonc des Moulinais
BP 5804, 31505 Toulouse Cedex, France
Phone: (33) 5 61 36 03 03 Fax: (33) 5 61 36 03 00
URL : <http://www.icom-france.com>