iCOM

Slim and Smart Wideband Receiver

New User Interface

The IC-RX7 has a menu driven user interface that allows intuitive user-friendly operation. The 4-way cursor buttons provide quick navigation to menus and settings.

Independent Scan Button

The IC-RX7 will come with preset memory channels for ham radio, air band, railroads, car racing, and more. Select your desired listening subject and, with the push of the "Scan" button, the IC-RX7 will automatically find active channels within that area of interest.
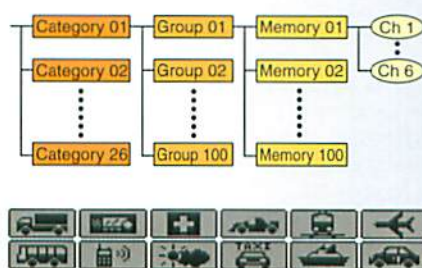
Independent Search Button

The channel mode and channel step are preprogrammed for each frequency range. Easily search new active channels within a designated frequency range or fixed category with a push of the "Search" button. The auto memory write function automatically stores detected channels in your memory.

3-level Memory Management

A total of 1650 memory channels can be classified 3 different ways: by "Category" (up to 26 categories), by "Group" (up to 100), and by "Memory Name" (up to 100). An alphanumeric name of up to 16 characters may be used for each channel, and up to 6 channels can be stored per "Memory Name" heading. In addition, each "Category" can be labeled with an icon, for faster recognition.

Computer Programmable

With the optional CS-RX7 software, the programming and cloning of the IC-RX7 is a breeze. Connect the IC-RX7 to your PC and you can update or customize channel names, scan lists and more.

Slim and Stylish Design

Modern consumer device design distinguishes the IC-RX7 from other scanner products. The IC-RX7 has only 23 mm slim depth*1 and weighs just 200g.*2

*1 29/32 in; Projections are not included. *2 7.1oz (approx) with BP-244 and antenna.

Other features

- 150kHz–1300MHz* wide frequency coverage
  (* Cellular blocked in the USA version)
- Large, backlit full dot-matrix display
- High speed scan and high speed search (100ch/sec.)
- Rain resistance equivalent to IPX4
- Basic search function allows you to search common preset bands
- CTCSS/DTCS decode
- VSC (Voice Squelch Control)

- Built-in RF-gain control and attenuator
- Built-in AM bar antenna
- Earphone antenna function for FM broadcast RX
- 3.7V/1100mAh Li-Ion battery pack supplied
- Auto power save
- DC power jack for external DC operation

SPECIFICATIONS

GENERAL

• Frequency coverage	: 0.150–1300.000MHz*
	(* Cellular blocked in the U.S.A. version.)
• Mode	: AM, FM, WFM
• No. of memory channels	: 1650 (1400 regular, 50 scan edges and 200 automatic write memory)
• Usable temperature range	: –10°C to +60°C ; +14°F to +140°F
• Frequency stability	: ±6ppm (–10°C to +60°C)
• Tuning steps	: 5, 6.25, 7.5, 8.33*, 9*, 10, 12.5, 15, 20, 25, 30, 50, 100, 125 and 200kHz
	(* Selectable depending on operating bands.)
• Battery requirement	: 3.7V DC (with BP-244)
	4.5V DC (3×AA (LR6) cells with BP-262)
• External power supply	: 6.0V DC ±5% (with BC-149A/D, CP-18A/E)
• Current drain	: Rated audio 150mA typ.
(at 3.7V DC)	Standby 100mA typ.
	Power save 35mA typ.
• Antenna impedance	: 50Ω (SMA)
• Dimensions (W×H×D)	: 57×128×23 mm;
(projections not included)	2¼×3¹⁄₃₂×²⁹⁄₃₂ in
• Weight (approx.)	: 200g; 7.1oz (With BP-244 and antenna)

The specifications described above are target values. They are subject to change without notice.

RECEIVER

• Intermediate frequencies		: 429.1MHz, 19.65MHz, 450kHz	
• Sensitivity (except spurious points) :			
FM	1.625–	4.995MHz	Less than 0.56µV
(12dB SINAD)	5.000–	246.995MHz	Less than 0.4µV
	247.000–	832.995MHz	Less than 0.56µV
	833.000–	1300.000MHz*	Less than 0.79µV
(* USA version	851.000–	866.995MHz	Less than 1.26µV
	896.000–	1300.000MHz	Less than 0.79µV)
WFM	76.000–	108.000MHz	Less than 1.78µV
(12dB SINAD)	175.000–	221.995MHz	Less than 1.78µV
	470.000–	770.000MHz	Less than 2.5µV
AM	0.495–	4.995MHz	Less than 2.5µV
(10dB S/N)	5.000–	29.995MHz	Less than 1.78µV
	118.000–	136.000MHz	Less than 1.78µV
	222.000–	246.995MHz	Less than 1.78µV
	247.000–	329.995MHz	Less than 1.78µV
• Selectivity AM, FM		: More than 12kHz/–6dB	
		Less than 30kHz/–60dB	
WFM		More than 150kHz/–6dB	
• AF output power (at 3.7V DC)		: 75mW typ. at 10% distortion with an 8Ω load	
• External SP connector		: 3-conductor 3.5 (d) mm (¹⁄₈″) /8Ω	

OPTIONS

- **BP-244** Li-Ion BATTERY PACK
  3.7V/1100mAh Lithium Ion battery pack.
- **BP-262** BATTERY CASE
  Battery case for AA (LR6)×3 alkaline cells.
- **BC-149A/D** WALL CHARGER
  6V DC, 1A output AC adapter. Same as supplied.
- **CP-18A/E** CIGARETTE LIGHTER CABLE
  6V DC, 2A output from 12V cigarette lighter socket.

- **AD-92SMA** ANTENNA CONNECTOR ADAPTER
  Allows you to connect a BNC-type antenna.
- **MB-112G** BELT CLIP
  Alligator type. Same as supplied.
- **HP-4** HEADPHONE
  Light weight monaural headphone.
- **LC-170** CARRYING CASE
  Helps protect the receiver from scratches, etc.

- **SP-13** EARPHONE
  Provides clear audio even in noisy environments.
- **CS-RX7** CLONING SOFTWARE
  Use a PC to easily edit stored memory channel data. OPC-478UC, USB cable is included.
- **OPC-474** CLONING CABLE
  Used for receiver-to-receiver data cloning.
- **OPC-478/UC** CLONING CABLE
  OPC-478: RS-232C type. OPC-478UC: USB type.