



# The 100 Ch/Sec Wideband Signal "Search Machine"

ICOM

Rugged

MIL-STD 810

- 100kHz–1309.995MHz\* wideband coverage While the IC-R6 receives an ultra wideband frequency range, the radio provides superior sensitivity and receiver characteristics that is insusceptible to interference. Amateur stations, AM, FM, short wave broadcasts, TV audio\* and a variety of utility communications can be caught and listened to.
  - \* Frequency range depends on version. Analog TV audio only. Cannot decode digital TV audio.
- 100 channels per second high speed scan The IC-R6 has 100 channels per second high speed scan capability\*. This superior scanning power allows the utmost efficiency when searching over 1300MHz of spectrum! \* VFO mode scanning.
- **15 hours of continuous receive capability\*** The IC-R6 is energy-efficient, designed to provide many hours of listening enjoyment on a single charge. With the supplied rechargeable Ni-MH cells (1400mAh ×2), the IC-R6 provides up to 15 hours of continuous receive capability\*. \* At 50mW output using external speaker.
- 1300 memory channels with 22 memory banks With 1300 alphanumeric memory channels, 50 scan edges and 200 auto write memories, the IC-R6 gives you flexible scanning. Use the bank link scan feature to choose from and connect any of the 22 memory banks.

### VSC (Voice Squelch Control)

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INICATIONS RECEIVER

The VSC opens the squelch only when a modulated signal is detected and ignores unmodulated beat noise. It is a handy feature for those listeners who are scanning for talk, news and music, but not data bursts or beacons.

#### Multiple power choices

The IC-R6 can be powered by rechargeable Ni-MH cells, or with alkaline batteries. Run the IC-R6 using the AC adapter, BC-196S, or opt for a cigarette lighter cable, CP-18. When used the optional drop-in charger stand BC-194 with the AC adapter or cigarette lighter cable, you can easily start charging the Ni-MH cells, while eliminating the need to connect the power source to the DC power jack of the receiver.

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### **OTHER FEATURES**

- Built-in audio low pass filter
- ±1.0ppm high frequency stability (at 25°C)
- · Earphone cord antenna for AM aviation as well as FM broadcast
- · Ferrite bar antenna for AM broadcast
- 150mW loud audio with internal speaker
- DTCS and CTCSS tone squelch and reverse tone sauelch
- Priority watch function with priority beep function

# **SPECIFICATIONS**

# GENERAL

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• Dimensions (W×H×D) : 58×86×29.8 mm; (Projections not included) 2 <sup>9</sup> / <sub>32×</sub> 3 <sup>9</sup> / <sub>8×</sub> 1 <sup>3</sup> / <sub>16</sub> in • Selectivity AM, FM : More than 12kHz Less than 30kHz	Frequency coverage     (*     France 0.100–29.     144–146,     Mode     No. of memory channels     Usable temperature range     Frequency stability     Tuning steps     (* Sele     Battery requirement     External power supply     Current drain Rated audio     (at 3.0V DC) Standby     Power save     Power      Power save     Poweresave	: 0.100–1309.995MHz* Cellular blocked in the U.S.A. version.) 995, 50.200–51.200, 87.500–107.995, 430–440, 1240–1300MHz : AM, FM, WFM : 1300 regular, 50 scan edges and 200 auto memory write :-10°C to +60°C; +14°F to +140°F :±1.0pm (at 25°C) : 5, 6.25, 8.33*, 9*, 10, 12.5, 15, 20, 25, 30, 50, 100, 125, 200kHz ctable depending on operating bands.) : 2×R6 (AA) size Ni-MH or alkaline cells : 4.5V DC rated (4.5–6.3V with BC- 196SA/SD, CP-18A/E) : 130mA typ. (Ext. SP, backlight off) 65mA typ. 30mA typ. (1:4 duty)	FM, AM WFM • Sensitivity (excep FM (12dB SINAD) WFM (12dB SINAD) AM	quencies : 2 2 pt spurious 2 1.625MHz- 5.000MHz- 118.000MHz- 247.000MHz- 470.000MHz- 1030.000MHz- 175.000MHz- 76.000MHz- 0.495MHz- 5.000MHz- 118.000MHz-	66.7MHz, 19.65 66.7MHz, 19.95 5): 4.995MHz 29.995MHz 246.995MHz 469.995MHz 432.995MHz 1029.995MHz 10309.995MHz 108.000MHz 221.995MHz 770.000MHz 29.995MHz 29.995MHz 136.000MHz	
• Antenna impedance     : 50Ω (SMA)     247.000MHz- 329.995MHz       • Dimensions (W×H×D)     : 58×86×29.8 mm;     • Selectivity     AM, FM     : More than 12kHz       (Projections not included)     2%2×3%×1% in     • Selectivity     AM, FM     : More than 12kHz       • Wright (approx)     : 2003; 7 19.7     • Selectivity     AM, FM     : Less than 30kHz	(at 3.0V DC) Standby	: 130mA typ. (Ext. SP, backlight off) 65mA typ.		5.000MHz- 118.000MHz-	- 29.995MHz - 136.000MHz	
	Dimensions (W×H×D) (Projections not included)	: 58×86×29.8 mm; 2 <sup>9</sup> / <sub>32</sub> ×3 <sup>3</sup> / <sub>8</sub> ×1 <sup>3</sup> / <sub>16</sub> in		247.000MHz- AM, FM : N L	- 329.995MHz Aore than 12kHz .ess than 30kHz	

All stated specifications are subject to change without notice or obligation.

OPTIONS Some options may not be available in some countries. Please ask your dealer for details.

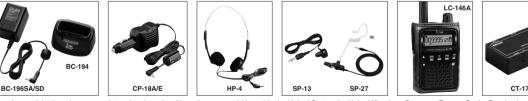
#### • BC-196SA/SD AC ADAPTER

4.5V DC, 400mA output. Allows you to power the IC-R6 and charge the supplied Ni-MH battery cells installed in the IC-R6 in 15 hours (approx.). For exclusive use with the IC-R6 and BC-194 only.

- BC-194 CHARGER STAND
- Drop-in charger for use with BC-196S or CP-18A/E. • CP-18A/E CIGARETTE LIGHTER CABLE
- 6V DC, 1.5A output from 12V cigarette lighter socket.
- HP-4 HEADPHONE Light weight monaural headphone.
- SP-13 EARPHONE
- SP-27 TUBE EARPHONE
- Provides clear audio even in noisy environments. • LC-146A CARRYING CASE
- Helps protect the receiver from scratches, etc. • CT-17 CI-V | EVEL CONVERTER
- For receiver remote control from a PC.

• CS-R6 CLONING SOFTWARE OPC-478 CLONING CABLE (RS-232C cable) OPC-478UC CLONING CABLE (USB cable) Use a PC to easily edit stored memory channel data.

- OPC-474 CLONING CABLE Used for receiver-to-receiver data cloning.
- AD-92SMA ANTENNA CONNECTOR ADAPTER Allows you to connect a BNC-type antenna.



OPC-474



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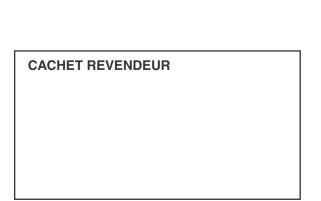
Les spécifications et informations données dans ce document peuvent être modifiées sans préavis.

#### **ICOM FRANCE**

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#### 266.7MHz, 19.95MHz, 750kHz rious points): .625MHz-4 995MHz .000MHz- 29.995MHz 000MHz- 117 995MHz 000MHz- 246 995MHz

required)

.000MHz-1029.995MHz .000MHz-1309.995MHz 0.35uV tvp .000MHz- 108.000MHz 1.1µV typ. .000MHz- 221.995MHz 1.1uV typ .000MHz- 770.000MHz 1.8uV tvp .495MHz- 4.995MHz 1.3µV typ 000MHz- 29 995MHz 0.89µV tvp. .000MHz- 136.000MHz 0.63µV tvp. .000MHz- 246.995MHz 0.63uV tvp. .000MHz- 329.995MHz 0.79µV tvp. : More than 12kHz/-9dB, Less than 30kHz/-60dB

More than 150kHz/-6dB

• Optional CT-17, CI-V level converter for remote control

• Receiver-to-receiver cloning (optional OPC-474

• Auto power OFF (0.5-2 hours and end of busy signal)

RECEIVER

266.7MHz, 19.65MHz, 450kHz

0.32uV tvp.

0.25µV typ.

0.18µV typ.

0.18µV typ.

0.18µV tvp.

0.32µV tvp.

0.28µV tvp.

•PC programmable with optional CS-R6

• Compact, drip-resistant construction

Duplex operation monitoring

Automatic LCD backlight

• Dial speed acceleration

Ni-MH cells\*

: 3-conductor 3.5 (d) mm (1/8")/8Ω •External SP connector

• AF output power (at 3.0V DC, 10% distortion) :

External speaker (80 load) 80mW typ.

Optional new tube earphone, SP-27

· Weather channel receive with weather alert

Internal speaker (16 $\Omega$  load) More than 150mW

Built-in RF attenuator

and set mode settings

(USA version only)

#### Applicable U.S. Military Specifications & IP Rating

•Auto memory write scan stores the detected fre-

• Reversible up/down buttons and dial knob for vol-

ume, frequency, memory channel, scan direction

quency, mode and tone into a specified memory

Standard	MIL 810 F		
Stanuaru	Method	Procedure	
Low Pressure	500.4	I, II	
High Temperature	501.4	I, II	
Low Temperature	502.4	I, II	
Temperature Shock	503.4	I	
Solar Radiation	505.4	I	
Humidity	507.4	-	
Vibration	514.5	I	
Shock	516.5	I, IV	
Also meets equivalent M	IL-STD-810-C, -D and -E.		

Ingress Protection Standard Water IPX2 (Drip resistant)

(\* Not supplied depending on version)

Supplied accessories AC adapter. BC-196SA/SD\* Belt clip Antenna Handstrap