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IC-PCR2500

PC controlled dual band, dualwatch, digital mode receiver!

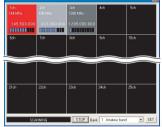


Multi-function receiver screen





CH Monitor



Multi channel monitor screen

Dualwatch capability*1

The IC-PCR2500 covers 0.01–3299.999 MHz in AM, FM, WFM, SSB, CW, DV and P25 modes on the main receiver, while the sub-receiver can simultaneously cover 50–1300 MHz in AM, FM and WFM modes*².

*1 Two antennas are required for dualwatch receive. *2 See specification page for available mode and frequency range details.

Digital mode reception

The optional UT-118 D-STAR digital unit and UT-122* P25 digital unit can be installed in the IC-PCR2500. Catch the action in digital communications!



With optional UT-122

* Already installed with some versions.

Diversity receive capability

When two antennas are connected to the IC-PCR2500, it provides diversity reception*. The diversity reception continuously compares the signal strength and selects the better antenna for maintaining good sound and receive quality.

* Available in FM/P25/DV mode between 50–1300MHz only. Diversity reception is not available when using dualwatch.

3 receiver screens to choose from

Choose the look you want! "Multi-function receiver", "Component" and "Simple" screens are available.

Multi channel monitor function

You can monitor up to 25 channels. The software tracks the band activity with S-meter levels as channel status is visually represented by three background colors. Simply click the busy channel and the PCR2500 tunes to the active channel.

DSP capability

If you are into weak signal work, the optional UT-106 DSP unit is a must have. This add-on gives you noise reduction and auto notch filter functions to improve the S/N ratio for improving received signal quality.

Bandscope and time-line scope

Along with a 5MHz (Max.) wide range bandscope*, the timeline scope allows you to observe the band condition over the past 100 minutes.

AF output is muted when setting the bandscope range is between 500kHz and 5MHz or the operating in CW or SSB modes.

Recording function

You can record audio in WAV format directly through the USB port. Skip over hours of channel inactivity with the software's remote control function that pauses and resumes recording according to the channel activity.



C-PCR250

• AFC function (Auto Frequency Control) automatically follows an FM mode

U.S.A. Customers check out www.icomreceivers.com for frequency lists in

signal when the signal's frequency drifts. (BW: 6kHz or 15kHz)

vour neighborhood and region. (Based on FCC licensee database.)

• Weather alert function (U.S.A. and Canada versions only)

· AGC function; Fast/slow setting is available

• 24-digit DTMF tone decoder • Squelch delay

• Up to 2600 memory channels per file

WFM

1.4µV

1.8uV

18uV

56uV

10.5V DC, 1.8A/1.5A (A/E) output. Same as supplied.

12V DC, 2A output from 12V cigarette lighter socket.

Triple-conversion super-

heterodyne + Down converter

450kHz (Except WFM)

More than 2 8kHz/-6dB

More than 6 0kHz/-6dB More than 15kHz/-6dB

More than 50kHz/-6dB More than 230kHz/-6dB

: More than 500mW at 10%

distortion with an 80 load

: 2-conductor 3.5 (d) mm (1/8") /8Ω

OTHER FEATURES

- VSC ignores unmodulated signals or heterodynes
- CTCSS/DTCS tones and duplex mode operation for monitoring a repeater
- S-meter squelch Pocket beep function IF filter selection
- IF shift function (SSB, CW mode only)
- Noise blanker eliminates pulse type noise. (SSB, CW, AM mode only)
- 20dB (approx.) RF attenuator (below 1300MHz)
- Auto memory write scan searches for a signal, and when a signal is detected, the received frequency is automatically stored in PC memory

SPECIFICATIONS

GENERAL			RECEIVER			
• Frequency coverage and mode :			Receiver system : Triple-conversion sup			
	Frequency coverage	Mode		ł	neterodyne	e + Down c
Main receiver	0.010–3299.999MHz*1 AM, FM, WFM,		Intermediate frequencies : 1st 266.70MHz			
	(Guaranteed 0.495–3000MHz)	DV*2, P25*3		'0MHz		
	0.495–1300MHz*1 USB, LSB, CW		3rd 450kHz (Except			
Sub-receiver	50-1300MHz*1	AM, FM, WFM	 Sensitivity (Less the 	an) :		
*1 Cellular bands are blocked in the U.S.A. version.			SSB, CW	AM	FM	
*2 Optional UT-118 required. *1 Optional UT-122 required. France 0.010-29.999*4, 50.200-51.200, 87.500-107.999, 144-146, 430-440, 1240-1300MHz		0.495-1.799MHz	5.0µV	25µV	-	
		1.8-49.999MHz	0.5µV	2.5µV	0.63µV*2	
*4 Main receiver only. Guaranteed range 0.495–29.999MHz			50-699.999MHz	0.4µV	2μV	0.5µV
•Usable temperature range : 0°C to +60°C; +32°F to +140°F			700–1300.000MHz	0.5µV	2.5µV	0.63µV
• Frequency stability : Less than ±3ppm on the basis		1300*1-2299.999MHz	-	-	5.6µV	
	of 25°C (0°C		2300-3000.000MHz	-	-	18µV
•Tuning steps : 1Hz (minimum)			* ¹ 1300.000001MHz * ² 28–49.999MHz			
• Power supply : 12.0V DC ±15%			SSB, CW BW=2.8kHz, AM BW=6.0kHz at 10dB S/N			
 Current drain 			FM BW=15kHz, WFI	M BW=230	kHz at 12d	B SINAD
Max. audio Less than 1.5A (Dual mode)			 Selectivity (typical) :		
Stand-by 0.85A typ. (Dual mode)			SSB, CW, AM More than 2.8kHz/–6			
• Antenna Impedance : 50Ω (BNC)			SSB, CW, AM, FM More than 6.0kHz/–6			
• Dimensions (W×H×D) : 146×41×206 mm			FM, AM	N	Nore than	15kHz/-60
(Projections are not included) ; 5 ³ / ₄ ×1 ⁵ / ₈ ×8 ¹ / ₈ in			FM, AM, WFM		More than 50kHz/-60	
• Weight (approx:) : 1350g; 3lb			WFM	N	Nore than	230kHz/-6
0 ((11)	,		 Audio output powe 	er : N	Nore than	500mW at

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. • UT-106 DSP UNIT AD-113A/F AC ADAPTOR

- Provides noise reduction and auto notch functions. • UT-108 DTMF DECODER UNIT
- DTMF decode function for Sub-receiver. Either UT-108 or UT-118 can be installed in the receiver.
- UT-118 D-STAR DIGITAL UNIT Provides D-STAR DV mode reception. Either UT-108 or UT-118 can be installed in the receiver.
- UT-122 P25 DIGITAL UNIT Provides APCO P25 digital mode reception.





CP-12L

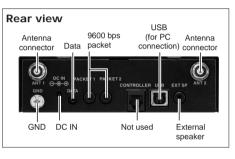


PC REQUIREMENTS

•Microsoft® Windows® XP/2000/ME/98SE •USB 1.1 or 2.0 Intel® Pentium® III 450MHz or faster (Pentium® 4 recommended) • Hard disk with at least 50 MB of free disk space

- At least 128 MB of memory (256MB or more recommended) • Display with 1024 × 768 pixel resolution, high color
- •CD-ROM or DVD drive is required for software installation
- USB audio dropouts or gaps may occur because of a lack of PC power · Additional hard disk space is required for recording sound or storing scope data

Turn off the Main unit power switch when not using the IC-PCR2500 while installed in a vehicle. The IC-PCR2500 has standby power consumption that will drain the vehicle battery over a period of time





Supplied accessories ● AD-113A/E* ● USB cable ● Software CD ● Antenna (* Depending on version)

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ICOM Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 Count on us! URL: http://www.icom.co.ip/world/index.html

Icom America Inc.

2380 116th Avenue NE, Bellevue, WA 98004, U.S.A. Phone : +1 (425) 454-8155 Fax : +1 (425) 454-1509 E-mail : sales@icomamerica.com URL : http://www.icomamerica.com

Icom Canada

Glenwood Centre #150-6165 Highway 17, Delta, B.C., V4K 5B8, Canada Phone : +1 (604) 952-4266 :+1 (604) 952-0090 Fax -mail : info@icomcanada.com RL : http://www.icomcanada.com

Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575 Unit 1 / 103 Garden Road, Clayton VIC 3168 Australia Phone: +61 (03) 9549 7500 Fax : +61 (03) 9549 7505 E-mail : sales@icom.net.au URL : http://www.icom.net.au

Icom New Zealand

146A Harris Road, East Tamaki Auckland, New Zealand Phone : +64 (09) 274 4062 Fax : +64 (09) 274 4708 E-mail : inquiries@icom.co.nz URL : http://www.icom.co.nz

Icom (Europe) GmbH

Communication Equipment Himmelgeister Str. 100, D-40225 Düsseldorf, Germany Phone : +49 (0211) 346047 Fax : +49 (0211) 333639 E-mail : info@icomeurope.com URL : http://www.icomeurope. : http://www.icomeurope.com

Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer" 08190, Sant Cugat del Valles, Barcelona, Spain Phone : +34 (93) 590 26 70 : +34 (93) 589 04 46 Fax E-mail : icom@icomspain.com URL : http://www.icomspain.com URL

Icom (UK) Ltd.

Unit 9. Sea St., Herne Bay, Kent, CT6 8LD, U.K. Phone : +44 (01227) 741741 Fax : +44 (01227) 741742 E-mail : info@icomuk.co.uk URL : http://www.icomuk.co.uk

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 E-mail : icom@icom-france.com URL : http://www.icom-france.com

Icom Polska

Sopot, 3 maja 54, Poland Phone : +48 (58) 550 7135 : +48 (58) 551 0484 Fax E-mail : icompolska@icompolska.com.pl URL : http://www.icompolska.com.pl

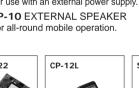
Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road, 6F No. 68, Sec. 1 Cheng-Teh Road Taipei, Taiwan, R.O.C. Phone: +886 (02) 2559 1899 Fax :+886 (02) 2559 1874 E-mail : sales@asia-icom.com URL : http://www.asia-icom.com

Your local distributor/dealer:

For use with an external power supply. (12V DC required) • SP-10 EXTERNAL SPEAKER For all-round mobile operation. UT-122

External SP connector



• CP-12L CIGARETTE LIGHTER CABLE

• OPC-254L DC POWER CABLE