

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

- AFC function (Auto Frequency Control) automatically follows an FM mode signal when the signal's frequency drifts. (BW: 6kHz or 15kHz)
- AGC function; Fast/slow setting is available
- Weather alert function (U.S.A. and Canada versions only)
- 24-digit DTMF tone decoder • Squelch delay
- Up to 2600 memory channels per file
- U.S.A. Customers check out www.icomreceivers.com for frequency lists in your neighborhood and region. (Based on FCC licensee database.)

SPECIFICATIONS

GENERAL

• Frequency coverage and mode :

	Frequency coverage	Mode
Main receiver	0.010-3299.999MHz*1 (Guaranteed 0.495-3000MHz)	AM, FM, WFM, DV*2, P25*3
	0.495-1300MHz*1	USB, LSB, CW
Sub-receiver	50-1300MHz*1	AM, FM, WFM

*1 Cellular bands are blocked in the U.S.A. version.

*2 Optional UT-118 required. *3 Optional UT-122 required.

France 0.010-29.999*1, 50.200-51.200, 87.500-107.999,
144-146, 430-440, 1240-1300MHz

*1 Main receiver only. Guaranteed range 0.495-29.999MHz

- Usable temperature range : 0°C to +60°C; +32°F to +140°F
- Frequency stability : Less than ±3ppm on the basis of 25°C (0°C to +60°C)
- Tuning steps : 1Hz (minimum)
- Power supply : 12.0V DC ±15%
- Current drain (at 12.0V DC) :
 - Max. audio : Less than 1.5A (Dual mode)
 - Stand-by : 0.85A typ. (Dual mode)
- Antenna Impedance : 50Ω (BNC)
- Dimensions (W×H×D) : 146×41×206 mm
(Projections are not included) ; 5¾×1½×8½ in
- Weight (approx.) : 1350g; 3lb

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

RECEIVER

- Receiver system : Triple-conversion super-heterodyne + Down converter
- Intermediate frequencies : 1st 266.70MHz
2nd 10.70MHz
3rd 450kHz (Except WFM)
- Sensitivity (Less than) :

	SSB, CW	AM	FM	WFM
0.495-1.799MHz	5.0μV	25μV	-	-
1.8-49.999MHz	0.5μV	2.5μV	0.63μV*2	-
50-699.999MHz	0.4μV	2μV	0.5μV	1.4μV
700-1300.000MHz	0.5μV	2.5μV	0.63μV	1.8μV
1300*1-2299.999MHz	-	-	5.6μV	18μV
2300-3000.000MHz	-	-	18μV	56μV

*1 1300.000001MHz *2 28-49.999MHz

SSB, CW BW=2.8kHz, AM BW=6.0kHz at 10dB S/N
FM BW=15kHz, WFM BW=230kHz at 12dB SINAD

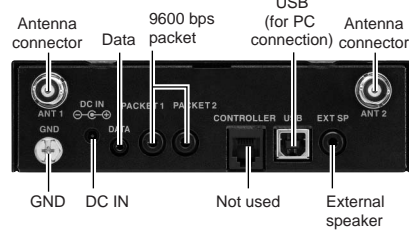
- Selectivity (typical) :
 - SSB, CW, AM : More than 2.8kHz/-6dB
 - SSB, CW, AM, FM : More than 6.0kHz/-6dB
 - FM, AM : More than 15kHz/-6dB
 - FM, AM, WFM : More than 50kHz/-6dB
 - WFM : More than 230kHz/-6dB
- Audio output power : More than 500mW at 10% distortion with an 8Ω load
- External SP connector : 2-conductor 3.5 (d) mm (1/8") ∅

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.

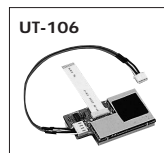
Rear view



OPTIONS

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

- **UT-106 DSP UNIT**
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.
- **AD-113A/E AC ADAPTOR**
10.5V DC, 1.8A/1.5A (A/E) output. Same as supplied.
- **CP-12L CIGARETTE LIGHTER CABLE**
12V DC, 2A output from 12V cigarette lighter socket.
- **OPC-254L DC POWER CABLE**
For use with an external power supply. (12V DC required)
- **SP-10 EXTERNAL SPEAKER**
For all-round mobile operation.



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Supplied accessories

- AD-113A/E* • USB cable • Software CD • Antenna

(* Depending on version)

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