O ICOM

IC-T90A

Surprisingly compact, full featured tri-bander with wideband receiver

5 Watts on 50MHz, 144MHz, and 440MHz

| Wideband receiver – | 495kHz-999.990MHz!

555 alphanumeric memory channels with Icom's NEW DMS (Dynamic Memory Scan) technology!



Wideband receiver — 495kHz to 999.990MHz

The commercial grade IC-T90A transceiver offers a wideband AM, FM, and WFM scanning receiver. Not only you can hear your favorite TV programs with the pre-programmed TV memories, but also you can listen to shortwave, AM and FM broadcast radio stations with good sound quality. Police, fire, military, aircraft and various amateur bands also can be tuned.

DMS (Dynamic Memory Scan) bank scanning

With 555 alphanumeric memory channels, including 50 band edges and 5 call channels, Icom's DMS technology gives you flexible scanning lists. With a maximum of 18 banks or 100 channels per bank, you can pick and choose the desired channel for scanning from the 500 memories.

Lithium-Ion technology

Enjoy a full 5 watts from the supplied 1300mAh Lithium-Ion battery pack, BP-217. Along with the energy conserving settings, the BP-217 provides up to 5 to 6 hours*1 of operating time and greatly reduces both the size and weight needed to get full output power. Just recharge and go! *1 Tx high: Rx: Stand-by duty ratio= 1: 1: 8

Rugged palm sized*², splash resistant construction This compact radio is comfortable in the smallest of hands, and offers full radio control for large fingers. The aluminum die-cast case and chassis is designed for the most rugged environments with splash resistance equivalent to JIS 4 specifications. *2 See back for actual dimensions.

DTCS and CTCSS tone squelch

A standard feature of the IC-T90A is both DTCS and CTCSS encode and decode capability. Choose from either 104 DTCS or 50 CTCSS codes for receive and transmit, individually. In addition, a pocket beep function gives you an audio alert when a matched tone signal is received — a great feature for quiet, group operations.

Simple operation

Simple, one-handed operation is the most valuable feature of the IC-T90A. The backlit ten-key pad allows you to enter frequency, memory number and set various other features. The tuning knob can be customized for either channel selection, or volume control.

Wait! There's more...

- DTMF encoder with 10 DTMF memories
- Auto squelch Morse code synthesizer
- indicates the frequency in morse code
- Backlit LCD and keypad High speed scanning • 13 scanning modes
- Antenna tip replaceable PC Programmable
- 5.5–11V DC operation Split operation
- Weather alert scan* (* U.S.A. version only)
- Wide/narrow transmit capability



Icom Inc.

SPECIFICATIONS

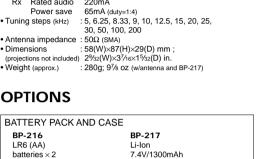
GENERAL						
Frequency coverage : (Unit: MHz						
Version	50MHz	144MHz	440MHz	Receive		
U.S.A.	50-53.995	144–148	430-450*1	0.495–999.990*2		
Asia	50-53.995	144–148	430-440	0.495-999.990		
General	50-53.995	144–148	430-440	0.495-999.990		
1 Guranteed	range 440-450). *2 Cellular b	locked.			
Mode : FM, AM (Rx. only), WFM (Rx. only)						
 Frequency stability : ±6ppm (-10°C to +60°C) 						
 No. of memory Ch. : 555 (500 reg., 50 scan edges, 5 call) 						
 Useable temp. range: -10°C to +60°C; +14°F to +140°F 						
Power supply : 5.5 to 11V DC or specified battery pack						
 Current dr 	ain (at 8.0V D	C):				
Tx Hig	jh .	2.0A typ.				
Lo	Ň	0.8A typ. (50	/144MHz)			
		1.2A typ. (43	0MHz)			
Rx Ra	ed audio 220mA					
Po	wer save	65mA (duty=	=1:4)			
		5, 6.25, 8.33, 9, 10, 12.5, 15, 20, 25,				
		30, 50, 100		-,,,,		
 Antenna ir 	mpedance :		,			
• Dimensions : 58(W)×87(H)×29(D) mm ;						
(projections		2%32(W)×37/16×15/32(D) in.				
		2800: 97/8 07 (w/antenna and BP-217)				



SPEAKER-

-MI

MICROPHONES





HM-75A

TRANSMITTER

• Output power (8.0V DC): High 5W typ. Low 0.5W typ.

• Spurious emissions : Less than -60dB Max, freq, deviation : ±5.0kHz

Ext. MIC connector : 3-conductor 2.5(d) mm (1/10")/2kΩ

	RECEI	VER					
Receive system	: Double-c	onversion sup	erheterodyne				
Intermediate freq.							
	1	13.35MHz (WFM)					
	2nd 4	150kHz					
Sensitivity* (typ.;except spurious points):							
FM	1.625-4.	995MHz	0.4µV				
(at 12dB SINAD)	5-49.995	5MHz	0.18µV				
	50–54MH	Ηz	0.16µV				
	54.005-1	43.995MHz	0.18µV				
	144–148	MHz	0.16µV				
	148.005-	-221.995MHz	0.4µV				
	222-225	MHz	0.32µV				
	225.005-	-246.995MHz	0.4µV				
	247-429	.995MHz	0.32µV				
	430-450	MHz	0.16µV				
	450.005-	-832.995MHz	0.32µV				
	833-999	.990MHz	1µV				

BC-139 DESKTOP CHARGER

Rapidly charges battery pack BP-217. Charg-

ing time (approx.): 2.5 hours.

WFM	40–108MHz	1µV				
(at 12dB SINAD)	175-221.995MHz	1.8µV				
	470–770MHz	3.2µV				
AM (at 10dB S/N)	0.495-4.995MHz	1.3µV				
	5-29.995MHz	0.56µV				
	118–136MHz	0.5µV				
	222-229.995MHz	0.79µV				
	320-329.995MHz	1µV				
 Selectivity 	: More than 15kHz/-9dB					
(except WFM)	Less than 30kHz/–60dB					
 Spurious and image rejection ratio: 						
50MHz	More than 60dB					
	(half IF: 50dB, IF : 40dB))				
144MHz	More than 60dB (half IF : 50dB)					
440MHz	More than 50dB (IF : 60dB)					
 Audio output power (at 25°C) 	: 200mW typ. at 10% dis	stortion/8Ω load				
 Ext. speaker connector : 2-conductor 3.5(d) mm (¹/₈")/8Ω 						

C-T90A

xt. speaker connector : 2-conductor 3.5(d) mm (1/8")/8Ω

Supplied accessories (*depending on version) Battery pack (BP-217) Wall charger* (BC-110AR/DR) Antenna (FA-S6270D) Swivel belt clip (MB-83)

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



Allows you to operate the transceiver with 11V DC output through a cigarette lighter socket (12V). The connected battery pack is charged simultaneously.

CP-19 CIGARETTE LIGHTER



from your belt.



LC-152A

CASE

CARRYING

Helps protect the transceiver from scratches, etc. Fits any battery pack.

AD-92SMA ANTENNA CONNECTOR ADAPTER

Allows you to connect a BNCtype antenna

BC-110AR/DR WALL CHARGER Regularly charges battery packs. The same as supplied with some versions.

CS-T90A CLONING SOFTWARE + OPC-478 CLONING CABLE Provides quick and easy editing of memory channels, memory names and set mode contents, for local repeater frequencies, etc. **OPC-474** CLONING CABLE

Used for handheld-to-handheld data cloning. SP-13 EARPHONE

Provides clear audio in noisy environments.

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

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

HM-131

nels, etc., according to cloning.

jack and transmit indicator.

HM-46 : Slim dimensions. Equipped with an earphone

HM-75A: Allows you to remotely select operating chan-

HM-131 : Compact and durable body. Equipped with an

earphone jack and a revolving clip.

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

Icom Spain S.L. Crta. 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

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

Icom France S.a Zac de la Plaine, Rue Brindejonc des Moulinais BP 5804, 31505 Toulouse Cedex, France Phone: 561 36 03 03 Fax: 561 36 03 00 URL : http://www.icom-france.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

Beijing Icom Ltd. 1305, Wanshang Plaza, Shijingshan Road, Beijing, China Phone: (010) 6866 6337 Fax : (010) 6866 3553



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

Your local distributor/dealer:



by clipping the Mic. with PTT switch to your lapel or breast pocket.

MICROPHONE

HS-94 VS-1 Flexible boom microphone and rotating

earpad with a spring earhook. Allows you hands-free operation.

HS-94 EARHOOK-HEADSET

+ VS-1 VOX/PTT CASE

HS-85 HEADSET is also available. Includes VOX, PTT, "one-touch PTT" (TOT).