

## IC-2A/AT/E SPECIFICATIONS

### GENERAL

Frequency Coverage	: 144.000 ~ 147.995MHz (IC-2E(DL): 144.000 ~ 145.995MHz)
Frequency Resolution	: 5KHz steps 800 channels (IC-2E (DL): 400 channels)
Frequency Control	: Digital PLL synthesizer with thumb wheel switches
Antenna Impedance	: 50 ohms unbalanced
Power Supply Requirement	: DC 8.4V; with attendant power pack IC-BP3, DC6 ~ 12V is acceptable
Current Drain at 8.4V	: Transmitting HIGH (1.5W) 550mA LOW (0.15W) 220mA Receiving At max output 130mA Squelched 20mA
Dimensions	: 116.5mm(H) x 65mm(W) x 35mm(D) without power pack (IC-BP3: 49mm x 65mm x 35mm)
Weight	: 470g (IC-2AT: 490g) including IC-BP3 and flexible antenna

### TRANSMITTER

Output Power	: HIGH: 1.5W, LOW: 0.15W at 8.4V
Emission Mode	: 16 F <sub>3</sub>
Modulation System	: Variable reactance frequency mod
Max Frequency Deviation	: ±5KHz
Spurious Emission	: More than 60dB below carrier
Microphone	: Built-in Electret condenser mic Optional speaker-mic (IC-HM9) can be used
Operating Mode	: Simplex, Duplex (±600KHz)

### RECEIVER

Receiving system:	: Double-conversion superhet.
Intermediate Frequency	: 1st: 10.695MHz, 2nd: 455KHz
Sensitivity	: 0.5μV for 20dB noise quieting
Squelch Sensitivity	: 0.4μV
Spurious Response	: -60dB
Selectivity	: ±7.5KHz/-6dB, ±15KHz/-60dB
Audio Output Power	: 300mW
Speaker Impedance	: 8 ohms

## OPTIONS: Add Versatility to your System

### BC-30 Battery Charger

Charges IC-BP3 in 15 hrs, IC-BP2 or 5 in 1-1/2 hrs.  
Serves as handy stand while charging.

### BC-25U/E Wall Charger

Charges IC-BP3 pack, standard with transceiver.

### IC-CP1 Cigarette Lighter Cord

Plugs into lighter socket to charge IC-BP3, or into IC-DC1 to operate unit from car battery.

### IC-DC1 DC Regulator

Allows direct operation from car battery.

### Battery Packs and Cases:

(See Chart and Graph below)

### IC-BP2 Battery Pack

Low Voltage (7.2V)/High Capacity. (425 mAh)

### IC-BP3 Battery Pack

Standard Voltage (8.4V)/Standard Capacity. (250 mAh)

### IC-BP4 Battery Case

For use with 6 "AA" Batteries. (9V)

### IC-BP5 Battery Pack

High Voltage (10.8V)/High Capacity. (425 mAh)

### IC-HM9 Speaker/Microphone

Plugs into transceiver and clips on lapel or packet. Has PTT button.

### IC-ML1 10 Watt Booster

Increases the RF output power to 10 watts with IC-BP5, and allows sufficient mobile operation.

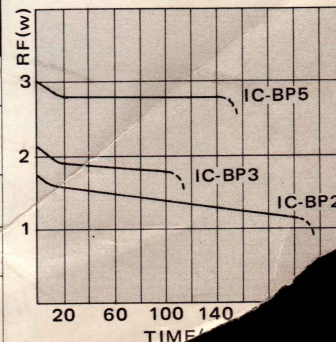
### LC1/2/3/5/6/7 Leatherette Cases

Protect the set. Designed for various battery packs.

### IC-FA2 Flexible Antenna

Replacement of the original one.

BATTERY PACK MODEL	HEIGHT	CHARGER REQUIRED	BATTERIES	VOLTAGE	TYPICAL OUTPUT (IN WATTS)	REPLACE-ABLE BATTERIES	NOTES
IC-BP2	39mm	BC-30	N-425 AR (x6)	7.2	1.0	No.	Low Power/Quick Charge (1.5h) Long Life/Overcharge protected
IC-BP3	39mm	BC-25 or BC-30	N-250 AA (x7)	8.4	1.5	No.	Standard Power/ Standard Charge (15h)
IC-BP4	49mm	**	UM-3 (x6)	9.0	1.5	Yes	Standard Power/No Recharge capability
		BC-30	NiCd AA (x6)	7.2	1.0	Yes	Low Power/Long Life* Standard Charge (15h)
IC-BP5	60mm	BC-30	N-425 AR (x9)	10.8	2.3	No.	High Power/Long Life Quick Charge (1.5h)/overcharge protected



\*With 450 mah NiCd Batteries      \*\*Do Not attempt to recharge Regular or Alkaline Batteries  
Stated specifications are approximate and subject to change without notice or obligation.