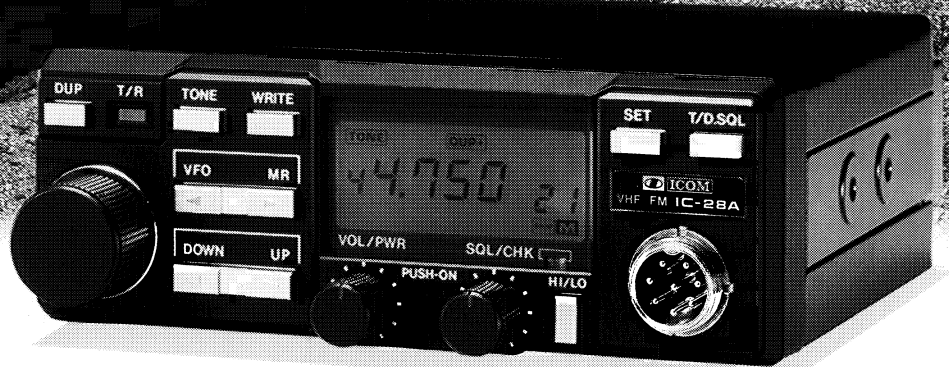


ICOM IC-28A

On the road, less



- 25 Watts Output Power
- Large LCD Readout
- Automatic Dimmer Circuit
- Compact Size
- 21 Memory Channels
- Dual Scanning Capability
- Simple Panel Design
- Options Available

Smaller than many conventional compact mobile transceivers, the sophisticated IC-28A provides 25 watts of output power on any frequency in the 2-meter band and also allows you to operate using a selectable 5-watt low output power feature.

Large LCD Readout. The highly visible front panel LCD readout is designed with wide angle viewing capability, making transceiver operation safe and easy while you are at the wheel.

Automatic Dimmer Circuit. Variations in ambient light conditions pose no problems when using the IC-28A since the built-in light sensor automatically adjusts an internal dimmer control circuit to control backlighting of the display at anytime, day or night.

Compact Size. Light and compact at just 140mm(W)×50mm(H)×133mm(D), the IC-28A will fit nearly anywhere in your vehicle, making it ideal for travel in all environments.

21 Memory Channels. The IC-28A contains a total of 21 fully-programmable large-capacity memories, placing a variety of communications functions at your fingertips.

Dual Scanning Capability. All memory channels and frequencies can be continuously scanned and checked by using the provided HM-12 Microphone.

Simple Panel Design. Even with tremendous versatility and a wide variety of functions, the IC-28A is easy to use because of its simple front panel layout. All the controls are easy to find and reach, making driving safe and comfortable.

Options Available. IC-HM16 Speaker-Microphone, PS-45 13.8V 8A Power Supply, UT-28 Digital Code Squelch Unit, UT-29 Tone Squelch Unit, SP-10 External Speaker, HS-15 Flexible Mobile Microphone and PTT Switchbox.

(Specifications on reverse side)

HF/VHF/UHF AMATEUR, MARINE AND BUSINESS USE COMMUNICATION EQUIPMENT



ICOM

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144MHz FM TRANSCEIVER

IC-28A

SPECIFICATIONS

■ GENERAL

Frequency coverage

MODEL	GUARANTEED RANGE	OPERATIONAL RANGE	
	TRANSCEIVER	RECEIVER	TRANSMITTER
IC-28A	144.00~148.00	138.00~174.00	140.10~150.00
IC-28A Australia version	144.00~148.00	144.00~148.00	144.00~148.00

Frequency resolution 5, 10, 15, 20 or 25kHz(programmable)
 Frequency control CPU based 5kHz(or 6.25kHz)step digital PLL synthesizer
 Simplex and semi-duplex capability (programmable offset)
 Memory channels 21 channels
 Usable temperature range $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}(+14^{\circ}\text{F}\sim+140^{\circ}\text{F})$
 Power supply requirement 13.8V DC $\pm 15\%$ (negative ground)
 AC power supply is available for AC operation.
 Current drain (at 13.8V DC)
 Transmit
 HIGH(25W) Approx. 6.0A
 LOW(5W) Approx. 3.0A
 Receive
 Max. audio output Approx. 800mA
 Squelched Approx. 450mA
 Antenna impedance 50 ohms unbalanced
 Dimensions 140(140)mm(W) \times 50(50)mm(H) \times 133(148.5)mm(D)
 Bracketed values include projections
 Weight 0.95kg

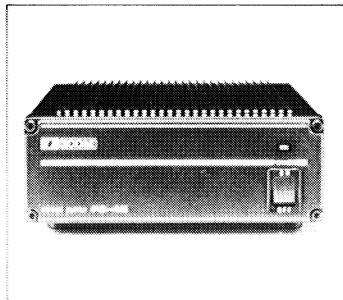
■ TRANSMITTER

Output power HIGH 25W LOW 5W
 Emission mode 16K0F3E
 Modulation system Variable reactance frequency modulation.
 Max. frequency deviation $\pm 5.0\text{kHz}$
 Spurious emissions More than 60dB below carrier
 Microphone 600 ohm electret condenser with push-to-talk and scanning switches

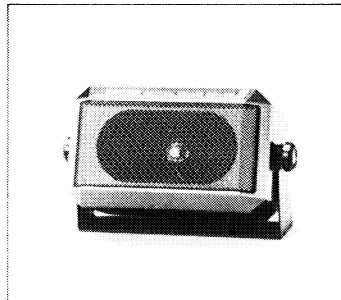
■ RECEIVER

Receive system Double-conversion superheterodyne
 Modulation acceptance 16K0F3E
 Intermediate frequencies 1st:17.2MHz 2nd:455kHz
 Selectivity More than 12.5kHz at -6dB
 Less than 25.0kHz at -60dB
 Sensitivity Less than $0.18\mu\text{V}$ for 12dB SINAD
 Audio output More than 2.4 watts at 10% distortion with 8 ohm load
 Audio output impedance 4~8 ohms

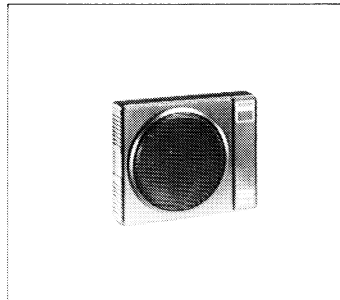
ACCESSORIES



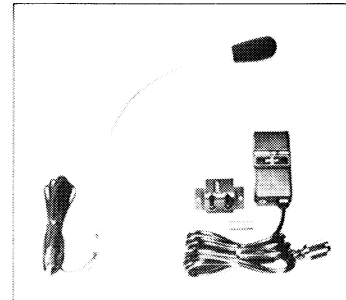
PS-45
 AC POWER SUPPLY
 (13.8V DC, 8A max.)
 The OPC-102 interface cable to connect the PS-45 to the IC-28A must be purchased separately.



SP-10
 MOBILE SPEAKER



SP-8
 EXTERNAL SPEAKER



HS-15
 FLEXIBLE MOBILE MICROPHONE
 HS-15SB
 SWITCHBOX FOR HS-15

SM-8	ELECTRET CONDENSER DESK MICROPHONE
SM-10	COMPRESSOR/GRAPHIC EQUALIZER MICROPHONE
UT-28	DIGITAL CODE SQUELCH UNIT
UT-29	TONE SQUELCH UNIT

IC-HM14	DTMF MICROPHONE
SP-7	BASE SPEAKER
IC-HM16	SPEAKER-MICROPHONE



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