ICOM UHF Mobiles

2 or 12 Channels...both Remotable!



Quality

ICOM's reputation rests with its quality designs and workmanship.

Constructed of the finest materials, the IC-435 series meets the mechanical demands of rugged service and significantly exceeds the electrical performance criteria for commercial service.

Remoting Unit

The IC-435 series is extremely compact $[50(H) \times 170(W) \times 260(D)mm]$.

The optional CK-11 remoting kit makes a super trim 54mm deep mountable control head and a 5 meter cable allows trunk or rear vehicle storage of the IC-435T/R unit.

Now ICOM offers the fully synthesized IC-435 UHF mobile in both 2 and 12 channel versions. The IC-435 may be dash-mounted, or the front control panel may be unplugged and remote-mounted using the CK-11 Remote Kit.

Performance

ICOM receiver section is second to none and can give good reception even in those fringe areas where other units can't. Its die-cast aluminum heatsink allows the transmitter to run at a continuous (100% duty cycle) 35 watts output.

Features

Important features include remote-ability, 450 - 470MHz coverage in two 10MHz frequency ranges, auto revert to channel 1 (12-channel only), LED channel readout, advanced preset squelch and a noise-cancelling microphone.

Options

A wide variety of plug-in tone signalling options are available for the IC-435 series. They include the UT-10 two-channel subaudible decoder/encoder, UT-14 12-channel subaudible encoder/ decoder, UT-11 2805 decoder, and UT-12 two-tone sequential or DTMF decoder.

See the IC-435

2-channel and 12-channel mobiles at your local ICOM dealer.

(Specifications on reverse side)

PHONE: (06) 793-5301

HF/VHF/UHF AMATEUR AND BUSINESS USE COMMUNICATION EQUIPMENT



ICOM ICOM INCORPORATED

CABLE: ICOMTRCVR TELEX: 05277822 ICOMTR J

IC-435 Mobile Transceiver

The IC-435 two and 12-channel mobile transceivers utilize ICOM's state-of-the-art technology and design in providing a selfcontained, compact transceiver for convenient under-the-dash mounting. The easy-to-use IC-435 comes standard with mobile mounting bracket, noise-cancelling microphone, external loudspeaker and fused power cord.

Approx. 8.5A

Approx. 0.3A

At Max. Audio Approx. 0.7A

SPECIFICATIONS

GENERAL

Frequency Coverage

: One of the following segments

450MHz ~ 460MHz 460MHz ~ 470MHz

: 50 Ohms unbalanced

Operation

: Simplex/Semi-duplex (Any separation program-

Sauelched

mable)

: Transmitting:

Receiving:

: -30°C to +55°C

Antenna Impedance Power Supply Requirements: DC 13.8V ±15% Negative Ground 9.0A Max.

Current Drain

Operating Temperature

Dimensions

Net Weight

: 50mm(H) x 170mm(W) x 260mm(D) : 2.6Kg

TRANSMITTER

Transmitting Frequency

Channel Spread

Channel Spacing

Frequency Stability Emission Mode

Output Power

Max. Frequency Deviation

Spurious Emission

: 2 Channels (12 channel version is available)

· 6MHz maximum : 20KHz/25KHz spacing (12.5KHz spacing

available) : ±0.0005%

: 16F₃ (F3E 16K0)

: 35W : 5KHz

: More than 70dB below carrier (Less than $2.5\mu W$)

Microphone

: Impedance: 600 Ohms Input level: 10mV typical

Dynamic microphone

RECEIVER

Sensitivity

Receiving Frequency

: 2 Channels

(12 channel version is available) : 2.5MHz maximum

Channel Spread Modulation Acceptance Receiving System Intermediate Frequency

: 16F₂ (F3E 16K0) : Double superheterodyne : First IF 21 4MHz Second IF 455KHz

: Less than 0.3µV for 12dB SINAD : Less than 0.34V

Squelch Sensitivity Spurious Response Rejection Ratio: More than 75dB Adjacent Channel Rejection Ratio : More than 75dB Intermodulation Rejection Ratio More than 70dB : ±6KHz at the -6dB point

Selectivity

Audio Output Power

Squelch

±12.5KHz at the -70dB point

: Dual: Noise compensated squelch Continuous Subaudible Tone

Squelch or 2805Hz Tone squelch option

: More than 5 Watts with 4 ohm load at 10% distortion

Audio Output Impedance · 4 ~ 8 Ohms

ACCESSORIES

Plug-in Tone Signalling Options

UT-10 Two-Channel Subaudible Encoder/Decoder

Designed for the IC-435-2, the UT-10 provides two channels of encode/decode. Programming is by diode matrix. Tone unit is Comm Spec TS32.

UT-11 2805 Decoder

For the IC-435-2 or 12-channel transceivers, the UT-11 utilizes the Midian CS101B decoder.

UT-12 Two Tone/Five Tone Sequential or DTMF Decoder

This unit works in the 2 or 12-channel transceiver. When the Midian TTD-2 DTMF decoder is installed, it decoder standard DTMF tones according to the user programmable TTD-2.

If the Midian MTSD-1 two-tone sequential decoder is installed, it decodes them according to user programming on the MTSD-1. The Midian MTSD-5 installed on the UT-12 provides five-tone sequential decoding.

UT-14 12-Channel Subaudible Encoder/Decoder

For use in the IC-435-12, the UT-14 utilizes the Comm Spec TS32 encoder/decoder and its own diode matrixprogramming board to provide 12 independent encode/decode channels. All options provide "call" light operation. "Horn honk" is optional.

Optional Remoting Kit CK-11

Available for trunk-mount installation of the IC-435-2 or IC-435-12, the CK-11 provides the ultimate in mounting flexibility.



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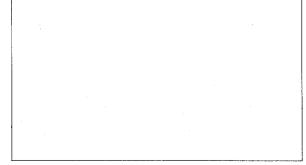
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All stated specifications are approximate and subject to change without notice or obligation.

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