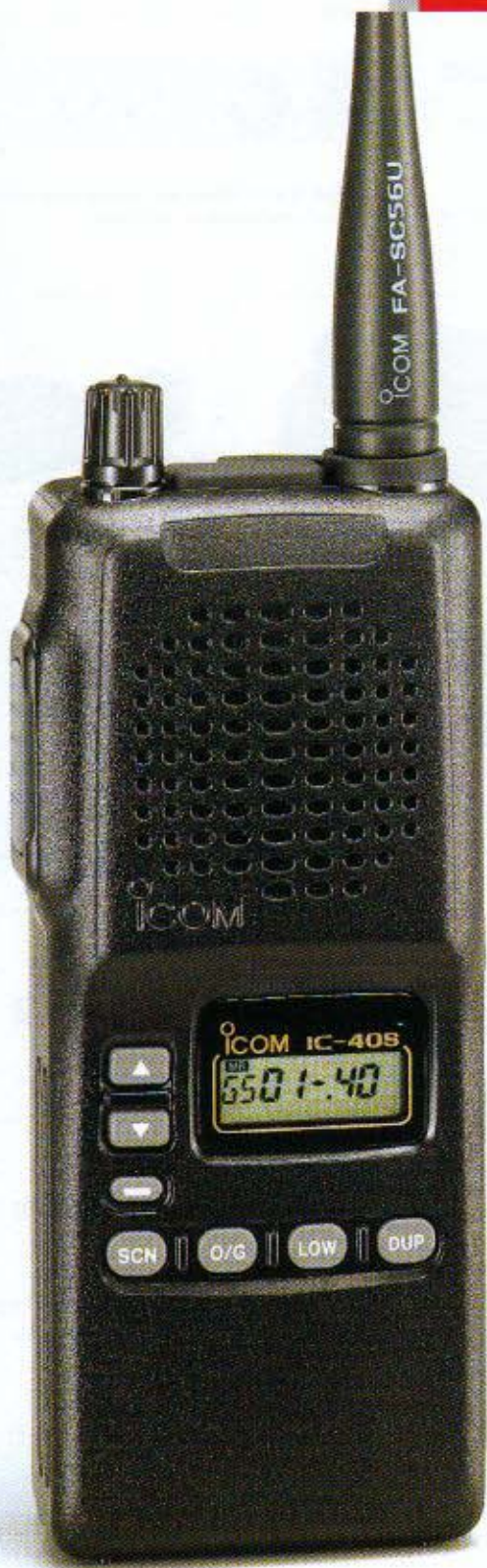


ICOM

UHF C.R.S. TRANSCEIVER

IC-40S



The above photo shows actual size

Simple UHF C.R.S. handheld, built tough, with powerful features similar to commercial handhelds

Easy to operate

The IC-40S offers simple radio communication. All functions are easily accessible with large functions keys. Function keys are well spaced and designed for single push action—push momentarily for the primary function, push for 1 sec. for the secondary function.

All 40 UHF C.R.S channels with extra private channels

All 40 UHF C.R.S. channels are available, including repeater channels. In addition, up to 20 private channels are available for programming of extra commercial channels, etc., within the 450 to 480 MHz range. Programming is achieved via an IBM® compatible PC using with the optional EX-2118 FIELD PROGRAMMING SOFTWARE and OPC-478 CLONING CABLE.

User programmable CTCSS signaling

The most popular basic signaling system, CTCSS, is employed. This system allows you to quietly wait for signals from specified stations, even on very busy channels. 51 CTCSS frequencies are available. In addition, a *pocket beep* function is available which audibly alerts you to signals received from specified stations.

Tough, dependable and dust-proof construction

A rugged one-piece die-cast frame, polycarbonate front panel and durable screw-type antenna connector provide dependable operation. And, dust-proof construction is employed—allowing operation in areas demanding high quality handhelds, such as farms, mining operations, etc.

High receiver sensitivity and a full 5 W transmitter power

A high sensitivity receiver and a full 5 W of output power provide longer-distance communications. Reliable contact with colleagues and friends at all times.

Variety of scanning functions

Open, *Group* and *Priority* scans are available to search for signals. A "Tag" scan system makes it easy to select and delete channels to be scanned.

Other outstanding features

- Compact body
- Long life battery pack for all-day use
- Repeater lock-out function
- Power save function
- Low battery indicator
- LCD backlight
- Monitor function
- Time-out timer
- Key lock function



icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage : 450.000–480.000 MHz (Incl. all 40 UHF C.R.S. ch.)
- Mode : FM (16K0F3E)
- Tuning step increment : 25 kHz
- Acceptable power supply: 9.6 V DC nominal (negative ground) (authorized battery packs)
- Usable temp. range : -10°C to +60°C
- Frequency stability : ±5 ppm
- Current drain (approx.) :

Tx	at 5 W	1.6 A
	at 1 W	0.7 A
Rx	standby	60 mA
	max. audio power saved	250 mA / 13 mA
- Antenna impedance : 50 Ω (nominal)
- Dimensions (projections not incl.) : 57(W)×140(H)×37(D) mm
- Weight (with BP-195) : 370 g

TRANSMITTER

- Output power : Max. 5 W (at 9.6 V DC)
- Modulation : Variable reactance frequency modulation
- Max. frequency deviation: ±5 kHz
- Spurious emissions : 70 dB typical
- Adjacent channel power : 70 dB typical
- External mic. connector : 3-conductor 2.5 (d) mm / 2 kΩ

RECEIVER

- Receive system : Double conversion superheterodyne system
- Intermediate freq. : 1st 46.35 MHz
2nd 450 kHz
- Sensitivity : 0.25 μV at 12 dB SINAD
- Squelch sensitivity : 0.25 μV typical (at threshold)

- Adjacent ch. selectivity : 70 dB typical
- Spurious response : 70 dB typical
- Intermodulation rejection: 65 dB typical
- Audio output power : 500 mW typical at 10% distortion with an 8 Ω load (at 9.6 V DC)
- External SP connector : 2-conductor 3.5 (d) mm / 8 Ω

Supplied accessories

- Antenna
- Battery pack (according to version)
- Belt clip
- Wall charger (according to version)



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

OPTIONS

BC-110V WALL CHARGER

Used for regular charging of the connected battery pack.

BC-119 DESKTOP CHARGER + AD-81 CHARGER ADAPTOR

For rapid charging of battery packs. An AC adapter is supplied with the charger. Charging time: 1.5 to 2 hrs.

BC-121 MULTI-CHARGER + AD-81 CHARGER ADAPTOR

For rapid charging up to 6 battery packs simultaneously. An AC adapter may be supplied depending on version. Six AD-81's are necessary. Charging time: 1.5 to 2 hrs.

BP-194 BATTERY CASE

Battery case for AA (R6) × 8 batteries.

BP-195/BP-196 BATTERY PACKS

BP-195: 9.6 V/700 mAh; BP-196: 9.6 V/1050 mAh

HM-46 SPEAKER-MICROPHONE

Slim dimensions. Equipped with an earphone jack and a transmit indicator.

HM-54 SPEAKER-MICROPHONE

For operation while conveniently hanging the transceiver from your belt, etc.

HM-75A SPEAKER-MICROPHONE

Allows you to remotely select operating channels, etc.

HS-51 HEADSET

For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer.

MB-68 BELT CLIP

Allows you to attach the transceiver to your belt. Same as supplied.

LC-145 CARRYING CASE / LC-40S LEATHER CASE

Helps protect the transceiver from scratches, etc. Usable with any battery pack. The LC-40S has a belt clip.

OPC-254L DC POWER CABLE

CP-12L CIGARETTE LIGHTER CABLE WITH NOISE FILTER

Allows you to charge a battery pack connected to the transceiver via a DC power source (12–16 V DC). For charging ONLY—the transceiver cannot be simultaneously operated.

SP-13 EARPHONE

Provides clear audio in noisy environments.

EX-2118 FIELD PROGRAMMING SOFTWARE + OPC-478 CLONING CABLE

Provides quick and easy programming of items, including private channels, scan settings, etc., via an IBM® compatible PC.

IBM® is a registered trademark of International Business Machines.



BC-121 + AD-81 (6 pcs.)



BC-119 + AD-81



HM-46

HM-54

HM-75A



HS-51

SP-13

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Certificate Number Q14190

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

Your local distributor/dealer: