



# IC-F3001 (VHF) IC-F4001 (UHF)

## VHF AND UHF TRANSCEIVERS

### New IC-F3001 Series with 1500 mW Loud Audio

#### Simple operation for instant communication

The IC-F3001 series is so easy to use there's no special training required. The few knobs and buttons are generously sized for easy operation and are designed to provide non-slip, positive action – even while wearing gloves.

#### Easy to hear in noisy areas

The radio provides 1500 mW\* loud and clear audio with an Icom custom high power handling capacity speaker. Clear communication is available even in noisy environments.

\* Typical with internal speaker

#### Longer operating time

The new high efficiency FET of the IC-F3001 series reduces consumption current and provides up to 20 hours\* of operating time with the BP-265, 2000 mAh (typical) supplied battery pack.

\*TX: RX: Standby= 5: 5: 90. Power save function ON.

#### Weather resistant, dust protection, military rugged

While the radio is a compact unit with a height of only 111 mm (4.4 inches), the radio is tested to dust protection and water resistance equivalent to IP54 and 11 categories of MIL-STD-810 environmental tests. In short, the IC-F3001 series is built rugged!

#### Internal VOX capability for hands-free operation

The radio has the internal VOX capability for hands-free operation. An optional compatible headset with plug adapter cable OPC-2004LA can be used with the radio. Also, the VOX gain and VOX delay time are adjustable.

#### Selective calling, quiet stand-by and more

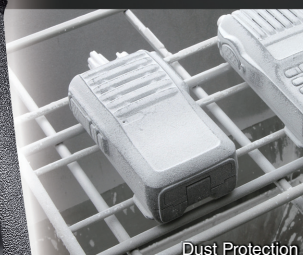
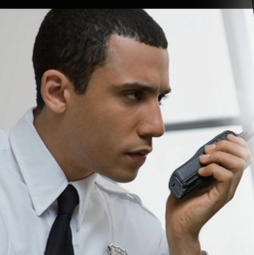
2-Tone and 5-Tone signaling gives you selective calling, quiet stand-by and other convenient functions with programming. The radio "stun" function disables a radio over the air and the "revive" function restores the stunned radio.

#### Scan features

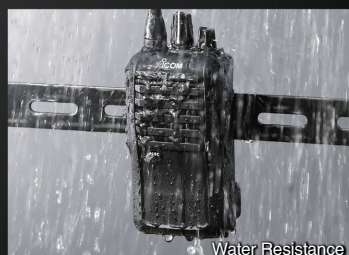
Priority scan allows you to monitor one or two priority channels while scanning other non-priority channels. The TX channel and talk back functions allow you to make a quick response while scanning.

#### Other features

- DTMF autodial
- CTCSS/DTCS encoder/decoder
- BIIS PTT ID transmission
- MDC PTT ID and emergency
- Low battery alert
- 2-step power save
- PC programmable
- Time out timer
- Talk around function
- Lone worker function
- Enhanced emergency
- 3-color LED
- Surveillance function



Dust Protection



Water Resistance



Limited functions.

## SPECIFICATIONS

|                                                       | IC-F3001                                     | IC-F4001                   |
|-------------------------------------------------------|----------------------------------------------|----------------------------|
| GENERAL                                               |                                              |                            |
| Frequency coverage                                    | 136–174 MHz                                  | 400–470 MHz<br>450–512 MHz |
| Number of channels                                    | 16 channels                                  |                            |
| Type of emission                                      | 11K0F3E                                      |                            |
| Channel spacing                                       | 12.5 kHz                                     |                            |
| Power supply requirement                              | 7.2 V DC nominal                             |                            |
| Current drain (approximate)                           |                                              |                            |
| TX High                                               | 1.3 A                                        | 1.3 A                      |
| RX Max. audio                                         | 500 mA (Internal SP)                         | 500 mA (Internal SP)       |
| Standby                                               | 75 mA                                        | 70 mA                      |
| Antenna impedance                                     | 50 Ω                                         |                            |
| Operating temperature range                           | –30°C to +60°C, –22°F to +140°F (Radio only) |                            |
| Dimensions (W × H × D)                                | 58 × 111 × 35.5 mm,                          |                            |
| (Projections not included)                            | 2.3 × 4.4 × 1.4 in (With BP-265)             |                            |
| Weight (approximate)                                  | 270 g, 9.5 oz (With BP-265)                  |                            |
| TRANSMITTER                                           |                                              |                            |
| Output power (at 7.2 V DC)                            | 5 W, 2 W, 1 W (Hi, L2, L1)                   | 4 W, 2 W, 1 W (Hi, L2, L1) |
| Max. frequency deviation                              | ±2.5 kHz                                     |                            |
| Frequency stability                                   | ±2.5 ppm                                     |                            |
| Spurious emissions                                    | 70 dB minimum                                |                            |
| FM Hum and noise                                      | 40 dB typical                                |                            |
| Audio harmonic distortion<br>(AF 1 kHz 40% deviation) | 1.5% typical                                 |                            |
| Ext. microphone connector                             | 3-conductor 2.5 (d) mm (1/10")/2.2 kΩ        |                            |
| RECEIVER                                              |                                              |                            |
| Sensitivity (at 12 dB SINAD)                          | 0.25 μV typical                              |                            |
| Adjacent channel selectivity                          | 70 dB typical                                | 65 dB typical              |
| Spurious response rejection                           | 70 dB minimum                                |                            |
| Intermodulation rejection                             | 75 dB typical                                | 74 dB typical              |
| Hum and noise<br>(With CCITT filter)                  | 50 dB typical                                | 47 dB typical              |
| Audio output power                                    |                                              |                            |
| Internal SP (With 12 Ω load)                          | 1500 mW typical (at 5% distortion)           |                            |
| External SP (With 8 Ω load)                           | 400 mW typical (at 5% distortion)            |                            |
| Ext. speaker connector                                | 2-conductor 3.5 (d) mm (1/8")/8 Ω            |                            |

Measurements made in accordance with TIA-603.

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

## Applicable U.S. Military Specifications &amp; IP Rating

| Standard          | MIL 810G |           |
|-------------------|----------|-----------|
|                   | Method   | Procedure |
| Low Pressure      | 500.5    | I, II     |
| High Temperature  | 501.5    | I, II     |
| Low Temperature   | 502.5    | I, II     |
| Temperature Shock | 503.5    | I-C       |
| Solar Radiation   | 505.5    | I         |
| Rain Blowing/Drip | 506.5    | I, III    |
| Humidity          | 507.5    | II        |
| Salt Fog          | 509.5    | –         |
| Dust Blowing      | 510.5    | I         |
| Vibration         | 514.6    | I         |
| Shock             | 516.6    | I, IV     |

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

|                                    |                                            |
|------------------------------------|--------------------------------------------|
| <b>Ingress Protection Standard</b> |                                            |
| Dust & Water                       | IP54 (Dust-protection and water resistant) |

## Supplied accessories:

- Battery pack, BP-265
- Desktop charger, BC-193
- AC adapter, BC-242
- Belt clip, MB-124
- Antenna

## OPTIONAL ACCESSORIES

Some accessories may not be available in some countries. Please ask your dealer for details.

## BATTERY CASE and BATTERY PACK



BP-263



BP-265

| Battery packs | Type and capacity                                   | Operating time* (Approx.) |
|---------------|-----------------------------------------------------|---------------------------|
| BP-263        | AA (LR6) batteries × 6                              | –                         |
| BP-265        | Li-ion, 7.4 V<br>1850 mAh (min.)<br>2000 mAh (typ.) | 20 hours                  |

\* Tx: Rx: standby = 5:5:90. Power save function ON.

## RAPID CHARGER

BC-123S<sup>\*1</sup>

BC-193

Charges the BP-265 in 2.5 hours (approx.).

<sup>\*1</sup> AC adapter supplied depending on the charger version.

## MULTI-CHARGER



BC-197 (#11-13)

## CIGARETTE LIGHTER CABLE &amp; POWER SUPPLY CABLES



CP-23L

For use with BC-193



OPC-515L

For use with BC-193



OPC-656

For use with BC-197

## SPEAKER-MICROPHONES



HM-158LA



HM-159LA

## HEADSETS



HS-94

Earhook type<sup>\*2</sup>

HS-95

Neck arm type<sup>\*2</sup>

HS-97

Throat type<sup>\*2</sup>

## PTT SWITCH CABLE &amp; PLUG ADAPTER CABLE



VS-4LA

For manual PTT operation



OPC-2004LA

For VOX operation

<sup>\*2</sup> Either the VS-4LA or OPC-2004LA is required for use with the HS-94, HS-95 or HS-97.

## STANDARD ANTENNAS

- FA-SC25V : 136–150 MHz
- FA-SC55V : 150–174 MHz
- FA-SC25U : 400–430 MHz
- FA-SC57U : 430–470 MHz
- FA-SC72U : 470–520 MHz

## STUBBY ANTENNAS

- FA-SC56VS : 150–162 MHz
- FA-SC57VS : 160–174 MHz
- FA-SC73US : 450–490 MHz

## CUT ANTENNAS

- FA-SC61VC : 136–174 MHz
- FA-SC61UC : 380–520 MHz

## BELT CLIP

- MB-124: Alligator type belt clip

Same as supplied.



Scan the QR code to view  
IC-F3001 series promotion video.

<https://youtu.be/ep1Pn643tA4>

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