

## IC-F3036T

VHF transceiver with full keypad

# IC-F3036S

VHF transceiver with simple keypad

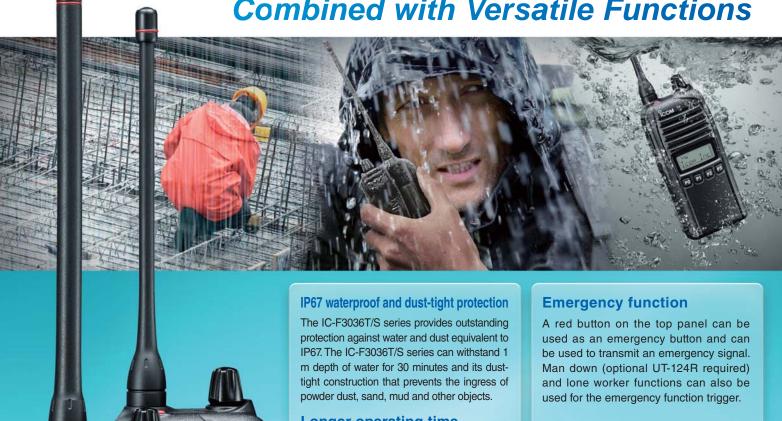
# IC-F4036T

UHF transceiver with full keypad

# IC-F4036S

UHF transceiver with simple keypad

# Superior Waterproof Protection Combined with Versatile Functions



## Longer operating time

The supplied waterproof Li-ion battery pack, BP-232WP (7.4 V, 2350 mAh (typ.)), provides 17.5 hours\* of operating time. The battery has been designed for reliability in extremely cold environments.

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

## Selective calling, quiet stand-by and more

The IC-F3036T/S series has built-in 2-Tone, 5-Tone, CTCSS and DTCS signaling capabilities for group communication or selective calling. When a matched 2-Tone/5-Tone is received, the following actions are programmable for each code.

- Answer back calls Beep sounds Bell icon
- Radio stun/kill/revive Auto TX Scan

### MDC 1200 compatible

The following selective calling and ANI features are programmable with the builtin MDC signaling.

- PTT ID Emergency (No ACK transmission)
- Radio check (RX only)
  Stun/Revive (RX only)

## Scan features

Priority scan allows you to monitor one or two priority channels while scanning other channels. The mode dependent scan automatically changes the scanning list following the operating channel. The Tx channel and talk back functions allow you to make a quick response while scanning.

## Internal option units available

The IC-F3036T/S series has an internal socket for a variety of option units including voice scrambler, DTMF decoder or man down unit.

#### Other features

- Up to 128 memory channel with 8 zones
- 8-character alphanumeric LCD
- 8 DTMF autodial memories
- Optional HM-168LWP, waterproof speaker-mic
- BIIS PTT ID transmission
- Low battery alert
- 2-step power save
- PC programmable Talk around function
- Time out timer Surveillance function

IC-F3036S

Inc.

IC-F4036T

СОМ

Icom Inc.





# IC-F3036T/S · IC-F4036T/S

#### **SPECIFICATIONS**

	IC-F3036T/S	IC-F4036T/S	
GENERAL			
Frequency coverage	136–174 MHz	400–470 MHz 450–520 MHz	
Number of channels	128 channels/8 zones		
Type of emission	16K0F3E/11K0F3E		
Channel spacing	25/12.5 kHz		
Power supply requirement	7.2 V DC nominal		
Current drain (approximate)			
Tx High	1.5 A (at 5 W)	1.6 A (at 4 W)	
Rx Max. audio/Standby	250 mA/75 mA	300 mA/75 mA	
Antenna impedance	50 Ω		
Operating temperature range	-30 °C to +60 °C (Radio specifications)		
Dimensions (W × H × D) (Projections not included)	53 × 120 × 37 mm (With BP-232WP)		
Weight (approximate)	310 g (With BP-232WP)		
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	±5.0/±2.5 kHz (Wide/Narrow)		
Frequency stability	±2.5 ppm		
Spurious emissions	80 dB typ.	70 dB min.	
FM Hum and Noise	46/40 dB typ. (Wide/Narrow)		
Audio harmonic distortion	3% typ. (AF 1 kHz 40% deviation)		
Ext. microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ		
RECEIVER			
Sensitivity (at 12 dB SINAD)	0.25 μV typ.		
Adjacent channel selectivity	75/65 dB typ. (Wide/Narrow)		
Spurious response rejection	70 dB min.		
Intermodulation rejection	75 dB typ.	74 dB typ.	
Hum and noise	55/50 dB typ. (W/N)	45/40 dB typ. (W/N)	
Audio output power	500 mW typ. (at 5% distortion, 8 Ω load)		
Ext. speaker connector	2-conductor 3.5 (d) mm (1/8")/8 Ω		

Measurements made in accordance with EIA/TIA-603

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

#### Applicable U.S. Military Specifications & 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	
Immersion	512.5	I	
Vibration	514.6	I	
Shock	516.6	I, IV	

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

Ingress Protection Standard (IC-F3036T/S, F4036T/S, BP-232WP & HM-168LWP) IP67 (Dust-tight and waterproof protection)

Supplied accessories: (May differ according to version)

· Battery pack, BP-232WP • Belt clip, MB-94 **OPTIONS** Some options may not be available in some countries. Please ask your dealer for details.



Battery packs and cases	Туре	Capacity	Operating time*
BP-232WP	Rechargeable Li-ion	2200 mAh (min.) 2350 mAh (typ.)	17.5 hours (Approx.)
BP-240	LR03 (AAA) batteries × 6		-
BP-261	LR6 (AA) batteries × 6		_

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



8-10 hours (approx.)



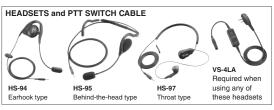


BC-123/BC-147SA for USA plug. SE for Europe plug. SV for Australia plug. BC-123SUK for UK.

\*2 AD-122 charger adapter is supplied with the BC-197, depending on version





















#### 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

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FA-SC73US: 450–490 MHz

#### **CUT ANTENNAS**

- FA-SC61VC: 136-174 MHz FA-SC61UC: 380-520 MHz
- HIGH GAIN ANTENNAS
- FA-SC62V: 150-160 MHz FA-SC63V: 155-165 MHz

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