



## VHF AND UHF TRANSCEIVERS

### IC-F16

(VHF transceiver, rotary type)

### IC-F16S

(VHF transceiver, toggle type)

### IC-F26

(UHF transceiver, rotary type)

### IC-F26S

(UHF transceiver, toggle type)

## *Built to last, built to work!*

- Tough and reliable construction
- Simple operation
- Wide range frequency coverage
- Lithium-ion battery standard
- Built-in CTCSS and DTCS
- Multiple 2-Tone, Multiple 5-Tone
- Optional voice scrambler, man down and DTMF decoder units
- Wide range of accessories available



Icom Inc.

# Built to last, built to work!



*The IC-F16/S series shows Icom's design. Simple operation for every user. A rugged tool for your daily business. Its construction is resistant to shock and vibration. The radio locks the battery pack to the radio. It features a wide frequency range, Li-Ion battery pack, loud and clear speaker, and option unit connector compatibility. For performance, the IC-F16/S series is the best choice.*



## Tough and reliable construction

The IC-F16/S series is built around an aluminum die-cast chassis and covered with tough polycarbonate casing. This radio is built to last. Its dual slide rail securely locks the battery to the radio. The battery terminal is covered with a non-corrosive rubber packing. The belt clip is clamped between the radio and the battery, making it nearly impossible to knock loose.

## Simple operation

Having only 3 buttons, volume and channel knobs, the IC-F16/S series does not require special training to use. Positive button action for sure operation even when wearing gloves, allows you to get down to the business of communicating without fuss.

## Wide frequency coverage

The IC-F16/S series covers a wide frequency range with one version (136–174, 400–470MHz). Wide and narrow channel spacing (25, 12.5kHz) is programmable per channel.

## VHF TRANSCEIVERS

# IC-F16

# IC-F16S

## UHF TRANSCEIVERS

# IC-F26

# IC-F26S



**s new direction in LMR radio de-  
vise but a powerful and reliable  
very durable construction is re-  
ne dual rail guide design securely  
lio. Wide range frequency cover-  
d clear audio, built-in signalings  
combined with Icom grade electrical  
will easily exceed your expecta-**

### Lithium-Ion battery standard

The IC-F16/S series comes with the BP-231 Li-Ion battery pack as standard. Li-Ion batteries have virtually no memory issues and allows you flexible charging. In addition, the optional BP-232 provides a high capacity 2000mAh for longer operating time.

### Optional board

The IC-F16/S series has an expansion socket for adding an optional board. Voice scrambler, man down and DTMF decoder features are available, depending on the installed board.

### Most popular signalings built-in

Use the built-in 2-Tone, 5-Tone, CTCSS and DTCS capabilities as standard to set up your own talk groups and quiet standby when others are talking.

### Multiple 2-Tone, Multiple 5-Tone

Up to 10 2-Tone/8 5-Tone codes can be decoded on a channel. When a matched tone is received, the following items are programmable for each code.

- Beep sound
- Answer back
- Stun
- LED blink
- Scan

### Other features

- LED low battery alert
- TOT function and lock out penalty timer
- 2 step power saver
- Normal and priority scan
- 500mW loud and clear audio
- Optional VOX headset for hands free operation
- PC programming capability
- Embedded ESN (Electronic serial number)

## OPTIONS

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

### BATTERY PACKS AND CASE



Battery packs	Type and capacity	Operating time* (VHF/UHF)	Output power (VHF/UHF)
BP-230	Li-Ion 7.4V/ 800mAh	6/6 hours	5W/4W
BP-231	Li-Ion 7.4V/1150mAh	9/8 hours	5W/4W
BP-232	Li-Ion 7.4V/2000mAh	16/15 hours	5W/4W
BP-240	AAA (LR03) batteries × 6	—	1W

\* Operating time is approximate time (at 20°C). Tx: standby=5:5:90. Power save on.

### RAPID CHARGER



**BC-160 DESKTOP CHARGER + BC-145 AC ADAPTER**  
Charges the BP-231 in 2 hours (approx.).

**BC-119N DESKTOP CHARGER + AD-106 CHARGER ADAPTER + BC-145 AC ADAPTER** : Charges the BP-231 in 2 hours (approx.).

**CP-17L CIGARETTE LIGHTER CABLE, OPC-515L DC POWER CABLE**  
For use with the BC-160 or BC-119N. (12–16V DC required).

### BELT CLIPS



**MB-93** : Swivel type. A fast and easy way to remove the transceiver from your belt.

**MB-94** : Alligator type. Same as supplied.

### MULTI-CHARGER



**BC-121N MULTI-CHARGER + AD-106 CHARGER ADAPTER + BC-124 AC ADAPTER** (Six AD-106s are required)  
Charges up to 6 battery packs in 2 hours (approx.) when BP-231 is attached.  
**OPC-656 DC POWER CABLE** : For use with the BC-121N. (12–20V DC required).

### LEATHER BELT HANGERS



**MB-96N**: Swivel type belt hanger. Swivel joint of the MB-93 included.

**MB-96F** : Fixed type belt hanger. For use with MB-94.

### HEADSETS and PTT/VOX UNIT



**HS-94** : Earhook headset with flexible boom microphone.

**HS-95** : Behind-the-head headset with flexible boom microphone.

**HS-97** : Throat microphone fits around your neck and picks up speech vibration.

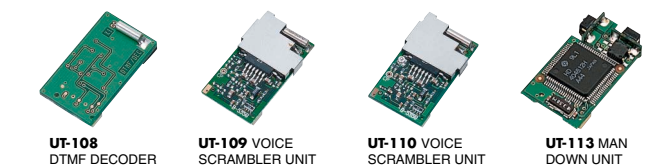
**VS-11** : PTT/VOX unit. Required when using these headsets with the transceiver.

### SPEAKER-MICROPHONE



**HM-131L** : Durable body. Equipped with an earphone jack and revolving clip.

### INTERNAL UNITS



**UT-108** : Provides DTMF, Selective call and ANI capabilities.

**UT-109** : Up to 32 scrambling codes are available. Version 01 is required.

**UT-110** : Up to 1020 scrambling codes are available. Version 01 is required.

**UT-113** : Automatically sends an emergency signal when the transceiver is left in a horizontal position for a preset time.

**SP-13** : EARPHONE  
Provides clear audio in noisy environments.

**STUBBY ANTENNAS**  
• **FA-SC56VS** : 146–162MHz  
• **FA-SC57VS** : 160–174MHz  
• **FA-SC73US** : 450–490MHz

**ANTENNAS**  
• **FA-SC25V** : 136–150MHz  
• **FA-SC55V** : 146–174MHz  
• **FA-SC25U** : 400–430MHz  
• **FA-SC57U** : 430–470MHz

## SPECIFICATIONS

## GENERAL

- Frequency range :
  - IC-F16/IC-F16S 136–174MHz
  - IC-F26/IC-F26S 400–470MHz
- Number of channels : 16 (IC-F16, IC-F26)  
4 (Max., IC-F16S, IC-F26S)
- Channel spacing : 12.5kHz/25kHz
- PLL channel step : 2.5kHz, 3.125kHz (VHF)  
5kHz, 6.25kHz (UHF)
- Power supply requirement : 7.2V DC
- Current drain (at 7.2V DC; approx.):
 

Transmit	VHF (5W)	1.5A
	UHF (4W)	1.6A
Receive	stand-by	70mA
	rated output	300mA
- Antenna impedance : 50Ω
- Usable temperature range : -30°C to +60°C
- Dimensions (with BP-231) : 53 (W) × 120 (H) × 38 (D) mm  
(projections are not included)
- Weight (approx. with BP-231) : 260g

## TRANSMITTER

- Output power : 5W (VHF), 4W (UHF)
- Max. frequency deviation : ±5kHz (Wide)  
±2.5kHz (Narrow)
- Frequency error : ±2.5ppm
- Spurious emissions : 80dB typ.
- Adjacent channel power :
  - VHF 80/70dB typ. (Wide/narrow)
  - UHF 75/68dB typ. (Wide/narrow)
- FM Hum and Noise : 46dB typ. (Wide)  
40dB typ. (Narrow)
- Audio harmonic distortion : 3% typ. (AF 1kHz, 40% deviation)
- Modulation limiting : 60–100% of max. deviation
- External microphone connector :  
3-conductor 2.5 (d) mm /2.2kΩ

Measurements made in accordance with EIA/TIA-603. All stated specifications are subject to change without notice or obligation.

## RECEIVER

- Sensitivity : 0.25μV typ. (at 12dB SINAD)
- Squelch sensitivity : 0.25μV typ. (at threshold)
- Adjacent channel selectivity : 75dB typ. (Wide)  
UHF 65dB typ. (Narrow)
- Spurious response : 70dB
- Intermodulation : 74dB typ.
- Hum and noise ratio : 50dB typ. (Wide)  
45dB typ. (Narrow)
- Audio output power : 500mW typ.  
(at 5% distortion with an 8Ω load)
- External speaker connector: 2-conductor 3.5 (d) mm/8Ω

## SUPPLIED ACCESSORIES

(May differ according to version)



## Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan

Phone: +81 (06) 6793 5302

Fax: +81 (06) 6793 0013

URL: <http://www.icom.co.jp/world/index.html>

Count on us!

## Icom America Inc.

2380 116th Avenue NE,  
Bellevue, WA 98004, U.S.A.  
Phone: +1 (425) 454-8155  
Fax: +1 (425) 454-1509  
E-mail: [sales@icomamerica.com](mailto:sales@icomamerica.com)  
URL: <http://www.icomamerica.com>

## Icom Canada

Glenwood Centre #150-6165 Highway 17,  
Delta, B.C., V4K 5B8, Canada  
Phone: +1 (604) 952-4266  
Fax: +1 (604) 952-0090  
E-mail: [info@icomcanada.com](mailto:info@icomcanada.com)  
URL: <http://www.icomcanada.com>

## Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575  
290-294 Albert Street, Brunswick,  
Victoria, 3056, Australia  
Phone: +61 (03) 9387 0666  
Fax: +61 (03) 9387 0022  
E-mail: [sales@icom.net.au](mailto:sales@icom.net.au)  
URL: <http://www.icom.net.au>

## Icom New Zealand

146A Harris Road, East Tamaki,  
Auckland, New Zealand  
Phone: +64 (09) 274 4062  
Fax: +64 (09) 274 4708  
E-mail: [inquiries@icom.co.nz](mailto:inquiries@icom.co.nz)  
URL: <http://www.icom.co.nz>

## Icom (Europe) GmbH

Communication Equipment  
Himmelgeister Str. 100,  
D-40225 Düsseldorf, Germany  
Phone: +49 (0211) 346047  
Fax: +49 (0211) 333639  
E-mail: [info@icom-europe.com](mailto:info@icom-europe.com)  
URL: <http://www.icom-europe.com>

## Icom Spain S.L.

Crta. de Gracia a Manresa Km. 14,750  
08190 Sant Cugat del Valles Barcelona, Spain  
Phone: +34 (93) 590 26 70  
Fax: +34 (93) 589 04 46  
E-mail: [icom@icomspain.com](mailto:icom@icomspain.com)  
URL: <http://www.icomspain.com>

## Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay,  
Kent, CT6 8LD, U.K.  
Phone: +44 (01227) 741741  
Fax: +44 (01227) 741742  
E-mail: [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL: <http://www.icomuk.co.uk>

## Icom France S.a

Zac de la Plaine, 1,  
Rue Brindejonc des Moulinais BP 5804,  
31505 Toulouse Cedex, France  
Phone: +33 (5) 61 36 03 03  
Fax: +33 (5) 61 36 03 00  
E-mail: [icom@icom-france.com](mailto:icom@icom-france.com)  
URL: <http://www.icom-france.com>

## Icom Polska

Sopot, 3 maja 54, Poland  
Phone: +48 (58) 550 7135  
Fax: +48 (58) 551 0484  
E-mail: [icompolska@icompolska.com.pl](mailto:icompolska@icompolska.com.pl)  
URL: <http://www.icompolska.com.pl>

## Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,  
Taipei, Taiwan, R.O.C.  
Phone: +886 (02) 2559 1899  
Fax: +886 (02) 2559 1874  
E-mail: [sales@asia-icom.com](mailto:sales@asia-icom.com)  
URL: <http://www.asia-icom.com>

## Beijing Icom Ltd.

1305, Wanshang Plaza, Shijingshan Road,  
Beijing, China  
Phone: +86 (010) 6866 6337  
Fax: +86 (010) 6866 3553  
E-mail: [bjicom@bjicom.com](mailto:bjicom@bjicom.com)  
URL: <http://www.bjicom.com>



Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

Your local distributor/dealer: