



VHF AND UHF DIGITAL/ANALOG TRANCEIVERS

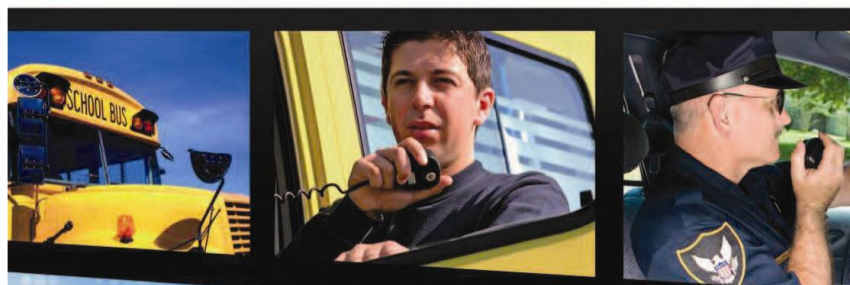
IC-F5123D(30W)/IC-F5123D

VHF transceiver

IC-F6123D(30W)/IC-F6123D

UHF transceiver

**Everything you'd expect in a business radio
... Plus Digital!**



IDAS™
ICOM DIGITAL ADVANCED SYSTEM

IDAS™ Conventional & IDAS™ Single-site Trunking

Digital/Analog Mixed Mode Operation

**Built-in 2-Tone, 5-Tone,
CTCSS and DTCSS**

MDC1200 Compatible

**MIL-STD-810F
Rugged Construction**

**4W Front
Mounted Speaker**



VHF & UHF DIGITAL/ANALOG TRANCEIVERS

SPECIFICATIONS

	IC-F5123D	IC-F6123D
GENERAL		
Frequency coverage	136-174MHz	350-400MHz 400-480MHz 450-520MHz
Number of channels	128 channels (8zones)	
Type of emission	18KDF3E, 14KDF3E, 11KDF3E, 8KDF3E, 8KDF1E0, 4KDF1E0	
Channel spacing	25/20/12.5/8.25kHz	
PLL channel step	2.5/3.125kHz	
Power supply requirement	13.6V DC	
Current drain (approx.)		
Tx	80W	12A
	30W	8A
Rx	Max. audio	1.2A
	Standby	300mA
Antenna impedance	50Ω (SO-239)/NMO	
Operating temperature range	-30°C to +60°C ; -22°F to +140°F	
Dimensions (WxHxD) (Projections not included)	150x60x187.5mm; 5.91x1.57x8.59in	
Weight (approx.)	1.1kg±2.4lb	
TRANSMITTER		
Output power (at 13.6V DC)	60W (Programmable)	
IC-F5123D/IC-F6123D	10-30W (Programmable)	
IC-F5123D (30W)/IC-F6123D (30W)	10-30W (Programmable)	
Max. frequency deviation	±5.0kHz/±2.6kHz	
Frequency stability	±1.0ppm	
Spurious emissions	75dB / 0.25μV (±1GHz) 1.9μV (>1GHz)	
Adjacent channel power	70/80dB	
Audio frequency response	+1dB to -3dB of 6dB/octave range from 300Hz to 3000Hz/2500Hz	
FM Hum and noise	66/80dB	
Audio harmonic distortion	3% (AF 1kHz 40% deviation)	
FBK error	5% Max. (Digital)	
Ext. microphone impedance	600Ω (3-pin modular)	

OPTIONS

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

HAND MICROPHONES



ACC CABLES



Note: No digital modulation "W" using accessory cables.

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Icom Inc.

1-1-32, Kami-minami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 8789 5302 Fax: +81 (06) 8789 0019 www.icom.co.jp/world

Count on us!

Icom America Inc.

5241 Wilshire Road NE,
Kirkland, WA 98034, U.S.A.
Phone: +1 (206) 454-9165
Fax: +1 (206) 454-9509
E-mail: sales@icomamerica.com
URL: <http://www.icomusa.com>

Icom Canada

Glenwood Centre #101-1165
Highway 7/4, Delta, B.C.,
V4L 5B9, Canada
Phone: +1 (604) 952-4206
Fax: +1 (604) 952-0000
E-mail: info@icomcanada.com
URL: <http://www.icomcanada.com>

Icom Brazil

Rua Itoró, 444, Pádua, Curitiba
Belo Horizonte, MG,
CEP-30729-450, Brazil
Phone: +55 (31) 3592 8847
Fax: +55 (31) 3592 8847
E-mail: sales@icombrasil.com

Icom (Europe) GmbH

Communication Equipment
Aut der Kirchstraße 24
65812 Bad Soden am Taunus, Germany
Phone: +49 (0) 69 76965-0
Fax: +49 (0) 69 76965-50
E-mail: info@icom-europe.com
URL: <http://www.icom-europe.com>

Icom Spain S.L.

Ctra. Rubí, No. 88 "Edificio Cap Castanyer"
Bajos 4, 08191, Sant Cugat del Valles,
Barcelona, Spain
Phone: +34 (93) 550 26 70
Fax: +34 (93) 550 04 48
E-mail: icom@icomspain.com
URL: <http://www.icomspain.com>

Icom (UK) Ltd.

Barkeleys House, Atlas Park,
Hemel Hempstead, Herts, SG9 6JZ, U.K.
Phone: +44 (0) 1227 741741
Fax: +44 (0) 1227 741742
E-mail: info@icomuk.co.uk
URL: <http://www.icomuk.co.uk>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindonne des Moulins, BP 45804,
91005 Evry-Courcouronnes 5, France
Phone: +33 (0) 61 36 02 03
Fax: +33 (0) 61 36 02 00
E-mail: com@icom-france.com
URL: <http://www.icom-france.com>

Icom (Australia) Pty. Ltd.

Unit 1 / 101 Gordon Road,
Clayton, VIC 3168, Australia
Phone: +61 (0) 3 9549 7500
Fax: +61 (0) 3 9549 7505
E-mail: sales@icom.net.au
URL: <http://www.icom.net.au>

Icom New Zealand

390 Rennie Drive, Airport Oaks,
Auckland, New Zealand
Phone: +64 (0) 274 4706
Fax: +64 (0) 274 4706
E-mail: inquiries@icom.co.nz
URL: <http://www.icom.co.nz>

Asia Icom Inc.

6F, No. 88, Sec. 1, Chang Teh Road,
Taipei, Taiwan, R.O.C.
Phone: +886 (02) 2559 1999
Fax: +886 (02) 2559 1674
URL: <http://www.asia-icom.com>

Shanghai Icom Ltd.

No. 10, Building 3, Cailingyuan Park,
No. 101 Weiding Road, Chongming,
Songjiang District, Shanghai, 201611, China
Phone: +86 (021) 5765 5765
Fax: +86 (021) 5765 5767
E-mail: info@icom.com
URL: <http://www.icom.com>

IC-F5123D(30W)/IC-F5123D IC-F6123D(30W)/IC-F6123D

	IC-F5123D	IC-F6123D
RECEIVER		
Sensitivity (at 10μV SPAD) (at 0% BER)	0.25μV -4dBμV (ant)	
Adjacent channel selectivity	60/70dB, 66dB (digital)	75/70dB, 80dB (digital)
Spurious response rejection	80dB	
Intermodulation rejection	80dB	
Hum and noise	55/60dB	
Audio output power (at 6% distortion, 40 hrs)	4W	
Audio frequency response	+1dB to -3dB of 6dB/octave range from 300Hz to 3000Hz/2500Hz	
Ext. speaker connector	2-conductor 3.5 (4) mm (4/4)	

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

Applicable U.S. Military Specifications

Standard	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Humidity	507.4	-
Sealing Dust	510.4	III
Vibration	514.5	I
Shock	518.5	I, IV

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

- Supplied Accessories**
- Hand microphone (HM-152)
 - DC power cable
 - Mounting bracket kit
 - Microphone hanger
 - Key assign stickers

DESKTOP MICROPHONE



SM-28

EXTERNAL SPEAKERS



SP-30
SP-36L: 2m cable
SP-36L: 6m cable

Your local distributor/dealer:

