



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
FOR1056

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**BUYER 32
 304-558-0492**

VENDOR

RFQ COPY

TYPE NAME/ADDRESS HERE

Collier 2way Communications, Inc.
3900 Mannix DR SUITE 107
Naples FL 34114

SHIP TO

DIVISION OF FORESTRY

**BUILDING 13
 4720 BRENDA LANE
 CHARLESTON, WV
 25312 558-2788**

DATE PRINTED 05/30/2006	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **06/14/2006** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	60	EA		725-27 FIELD PROGRAMMABLE HAND HELD HIGH BAND RADIO BENDIX KING DPHX5102X-04 OR EQUAL ICOM F70DT 11	\$993.85	\$59,631.00
0002	60	EA		725-27 RAPID BATTERY CHARGER BENDIX KING LAA-0325 OR EQUAL ICOM BC119N 01	\$44.00	\$2,640.00
0003	60	EA		725-27 AA BATTERY HOLDER FOR RADIO ICOM BR-237 BENDIX KING LAA-0139 OR EQUAL	\$21.00	\$1,260.00
<p>ANY ALTERNATE BID MUST CLEARLY STATE THE BRAND AND MODEL BEING QUOTED. FAILURE TO INDICATE ANY ALTERNATE BRAND WILL BE AN INDICATION THAT THE REQUESTED BRAND IS BEING BID.</p> <p>ANY BIDDER SUPPLYING AN ALTERNATE TO THE REQUESTED ITEM SHOULD PROVIDE COPIES OF THEIR SPECIFICATIONS WITH THE BID. ANY ALTERNATE BID WILL BE REQUIRED TO DEMONSTRATE THAT THE BRAND BEING BID IS COMPATIBLE WITH THE BENDIX KING PRIOR TO AWARD.</p>						TOTAL \$63,531.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>John [Signature]</i>	TELEPHONE 800-220-5174	DATE 6/7/06
TITLE Sales Manager	FEIN 200160810	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required registration fee. (Effective June 8, 2006, the fee will change from \$45.00 to \$125.00 pursuant to House Bill 4031.)
 5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
 6. Payment may only be made after the delivery and acceptance of goods or services.
 7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this contract is automatically null and void, and is terminated without further order.
 14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
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INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **DUPLICATE BIDS:** All quotations must be delivered by the bidder to the respective offices listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

ORIGINAL SIGNED BID TO:

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

DUPLICATE BID TO:

State Auditor's Office
Bid Observer
Building 1 Room W114
1900 Kanawha Boulevard, East
Charleston, WV 25305-0230

NOTICE: Beginning June 8, 2006, there is no need to submit a duplicate bid to the State Auditor's Office pursuant to House Bill 4031.



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 25312 558-2788

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BID OPENING DATE 06/14/2006	BID OPENING TIME 01:30PM			

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>RADIOS MUST BE PROGRAMMABLE HAND-HELD PORTABLE RADIOS. MUST BE COMPATIBLE WITH EQUIPMENT BEING UTILIZED BY THE SURROUNDING STATE'S FIREFIGHTERS</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *John Red* TELEPHONE **800-220-5174** DATE **6/07/06**
 TITLE **Sales Manager** FERN **200160810** ADDRESS CHANGES TO BE NOTED ABOVE

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BID OPENING DATE 06/14/2006		BID OPENING TIME 01:30PM		

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<p>HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE **800-220-5174** DATE **6/7/06**

TITLE **Sales Manager** FEIN **200160810** ADDRESS CHANGES TO BE NOTED ABOVE

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05/30/2006				

BID OPENING DATE: 06/14/2006 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEMNUMBER	UNIT PRICE	AMOUNT
<p>CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: <i>Collier 2way Communications, Inc</i></p> <p>DATE: <i>6/07/06</i></p> <p>SIGNED: <i>[Signature]</i></p> <p>TITLE: <i>Sales Manager</i></p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B".</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>[Signature]</i>	800-220-5174	6/07/06
TITLE	FERN	ADDRESS CHANGES TO BE NOTED ABOVE
<i>Sales Manager</i>	200160810	

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BID OPENING DATE 06/14/2006		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
(REV. 12/00) NOTICE AN ORIGINAL, SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID MUST CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPES OR THE BIDS MAY NOT BE CONSIDERED: SEALED BID BUYER: 32 RFQ. NO.: FOR1056 BID OPENING DATE AND TIME 06/14/06 1:30 pm PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 239-354-3164 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- John Robins -----						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>John Robins</i>	TELEPHONE 800-220-5174	DATE 6/7/06
TITLE Sales Manager	FEDIN 200160810	ADDRESS CHANGES TO BE NOTED ABOVE

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S.H.P.T.O.

DIVISION OF FORESTRY

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BID OPENING DATE: 06/14/2006 BID OPENING TIME: 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ FOR1056 ***** TOTAL:						63,531.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>J. H. Red</i>	TELEPHONE 800-220-5174	DATE 6/7/06
TITLE Sales Manager	FERN 200/60810	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELLED 'VENDOR'



1-800-684-0054

WWW.Collier2Way.com

3900 Mannix Rd.

Naples, FL 34104

PH: 866/748-0600

FAX: 239/354-3164

Email: <mailto:johnrobins@collier2way.com>

www.collier2way.com

06/07/06

Dear Sir,

The radio we are quoting is field programmable.

It is also submersible and passes mil-spec JIS7 which requires it to work after being in 3' of water for 30 mins. The Bendix King is does not meet this feature. We believe this makes our radio a better choice for the Division of Forestry because there will be times when radios are exposed to extremely wet conditions.

It's field programmable feature is not mentioned in the brochure but it is fully programmable through the face of the radio using the radio's keypad just like the Bendix King. Icom will verify this feature.

It operates in the same frequency band and transmits at the same wattage as the radio in the spec. It also is both digital and analog capable.

We are quoting the F70 DT 11 model.

The only exception we note between the Icom and the radio specified is the Icom has only 256 channels not 500. However, the most extreme requirement we have ever encountered is 64 channels so it very likely that 256 is more than enough for the division.

Thank you,

A handwritten signature in black ink, appearing to read "John Robins", is written over the typed name.

John Robins

ICOM

VHF AND UHF TRANSCEIVERS

IC-F70DT

IC-F70T

IC-F70DS

IC-F70S

IC-F80DT

IC-F80T

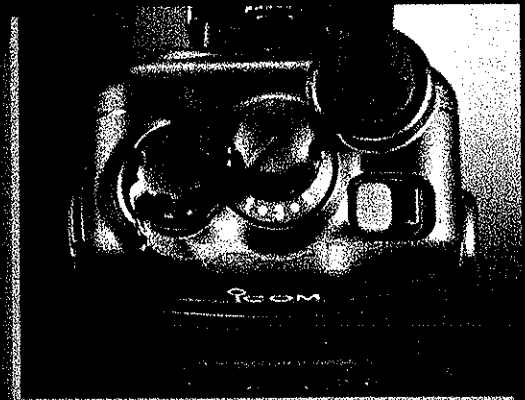
IC-F80DS

IC-F80S

DIGITAL



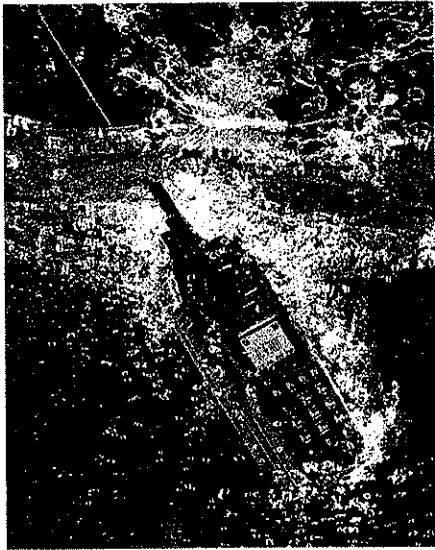
IC-F70DT/DS. IC-F80DT/DS only.



submersible
1m depth for 30 minutes

Icom Inc.

The Smart Migration to an APCO P25 Digital Radio System



Digital Radio System

Icom provides an intelligent solution for digital migration to an APCO P25 digital radio system from an existing analog system in the IC-F70D/F80D series. Programmable conventional P25 digital and/or FM analog mode per channel, Flash ROM CPU for future upgrades allows you to tailor the system you connect. Moreover, advanced mechanical and analog features such as rugged waterproof construction, built-in multiple signalings and a large capacity Lithium-Ion battery pack satisfy the needs of current analog users. Icom is the smart choice for current – and future – public safety communication needs.



▲ IC-F70T

▲ IC-F80S

VHF TRANSCEIVERS

IC-F70DT/T

P25 digital/analog FM with 10-keypad

IC-F70DS/S

P25 digital/analog FM without 10-keypad

UHF TRANSCEIVERS

IC-F80DT/T

P25 digital/analog FM with 10-keypad

IC-F80DS/S

P25 digital/analog FM without 10-keypad

IPX7 waterproof protection

The water removal design from the speaker grill keeps the communication clear, no matter what the elements are. The IC-F70/F80 series has waterproof construction that is sealed with waterproof gaskets.

* According to the International Standard IEC 60529 (2001), 1m depth for 30 minutes.

Built-in multiple signaling

Use the built-in CTCSS, DTCS, 2-Tone, 5-Tone and BLS capability to set up your own talk groups and quiet stand-by when others are talking. You can also set up selective calls to individuals or control a repeater.

Multiple 2-Tone, Multiple 5-Tone

Up to 10 2-Tone and 8 5-Tone codes can be decoded on a single memory channel. This is perfect for professionals who require multiple district paging on one channel. When a matched tone is received, the following items are programmable for each code.

- Bell icon
- Answer back
- Stun
- Beep sound
- Auto transmit
- Scan

Project 25 (P25) Digital Features



Interoperability

The IC-F70D, F80D series is APCO Project 25 (P25) compliant. It ensures interoperability with other manufacturer's P25 digital radios in conventional mode.

Upgrade to digital option*

The IC-F70D, F80D series is available in two digital versions. One version is P25 compliant out of the box. Version two is an analog only radio that is future upgradeable to P25 digital compatibility—grow into digital with Icom.

Flash Upgradeable*

Enables future enhancements such as AES/DES digital encryption capability to be uploaded from a PC.

Mixed mode operation

The IC-F70D, F80D series is compatible with both analog FM mode and P25 digital mode. Program digital and/or analog FM modes per channel. The mixed mode scan allows you to detect and receive both analog FM and P25 digital modes and to transmit either mode depending on programming.

Other features

- NAC (Network Access Code) operation provides quiet stand-by in a large group and is used to open a closed digital repeater.
- Selective call/individual call using Unit ID and talkgroup ID
- 100 Unit ID, 250 talkgroup ID memories

(* Upgrade software and AES/DES digital encryption will be available in the near future.)

Advanced Mechanical and Analog Features

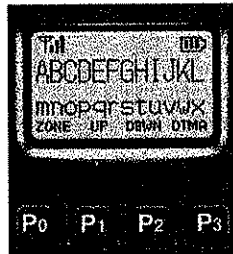
Li-Ion battery pack

The large capacity 1600mAh Lithium-Ion (Li-Ion) battery pack, BP-235 provides a practical 8 hours* of operating time. Li-Ion batteries allow flexible charging and have almost no memory effect.

* Typical operation Tx:Rx: Stand-by=5:5:90

Alphanumeric display

The large high contrast LCD clearly shows a variety of information with a full dot-matrix display. Program the display to show either 1 line with 12 characters or 2 lines with 24 characters. The functions assigned to the P buttons (P0-P3) are shown at the bottom of the display.



The bottom side shows the assigned functions.

Tactical group function

The tactical group function allows you to copy memory channels into a new memory zone (using Zone 32) without using PC programming. This function allows you to construct a temporary work group on site.

Built-in voice scrambler

The IC-F70/F80 series includes a built-in inversion type voice scrambler. When a more secure system is required, the optional voice scrambler unit UT-109 or UT-110 is available.

* These voice scrambler functions are not available in digital mode.

Wide range coverage and large channel capacity

The IC-F70/F80 series covers a wide frequency range in one version. The large capacity of 256 memory channels with 32

memory zones allow you to divide and store a variety of channels from local to wide area network channels.

Radio stun/kill and Power-on password function

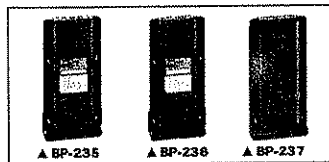
The radio stun/kill functions disable a lost or stolen radio over the air, eliminating security threats from undesired listeners. The power-on password prevents unauthorized people turning on the radio.

Other features

- Built-in audio compander
- 8 DTMF autodial memories
- Normal and priority scans
- 2 step power saver
- Busy, repeater lockout functions
- Wide and narrow (25/12.5kHz) channel spacing is programmable
- Power ON password, and more...

OPTIONS

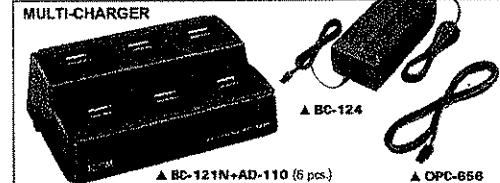
Some options may not be available in some countries. Please ask your dealer for details.



BP-235 Li-Ion BATTERY PACK, 7.4V/1600mAh Provides 8 hours operating time* (approx.).
BP-236 Li-Ion BATTERY PACK, 7.4V/2400mAh Provides 12 hours operating time* (approx.).
BP-237 BATTERY CASE: AA (LR6)x6 alkaline cells. BP-237 is water-resistant, equivalent to IPX4.
* Tx: Rx: standby=5:5:90.



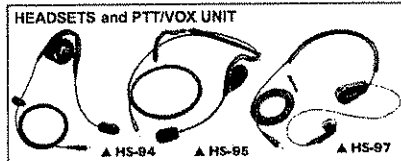
BC-119N DESKTOP CHARGER + AD-110 CHARGER ADAPTER + BC-145A AC ADAPTER
Rapidly charges the BP-235 in 2.5 hours and BP-236 in 3.5 hours.
CP-17L - CIGARETTE LIGHTER CABLE OPC-515L : DC POWER CABLE
For use with the BC-119N. (12-18V DC required)



BC-121N MULTI-CHARGER + AD-110 CHARGER ADAPTER + BC-124 AC ADAPTER
Rapidly charges up to 6 battery packs (Six AD-110s are required) in 2.5-3.5 hours.
OPC-656 DC POWER CABLE; For use with the BC-121. (12-20V DC required).



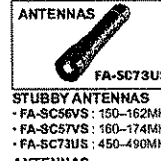
HM-138: Full sized, water-proof construction equivalent to IPX7. (1 mv/30 min.).



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-19C: PTT/VOX unit. Required when using these headsets.



MB-93 : Snivel type belt clip.
MB-94 : Alligator type. Same as supplied.
MB-95N : Swivel type belt hanger.
MB-96F : Fixed type belt hanger. For use with MB-94.



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

INTERFACE CABLE
OPC-986 : RS-232C interface cable for connecting with a PC.

INTERNAL UNITS
UT-109 : Provides 32 non-rolling type scrambling codes. Version 01 required.
UT-110 : Provides 1020 rolling type scrambling codes. Version 01 required.
UT-111 : Provides LTR* trunking capabilities. Optional internal unit should be installed at an authorized Icom service center only.

ANTENNA CONNECTOR ADAPTER
AD-98FSC : Allows you to connect a BNC-type antenna. (For maintenance use only)

SPECIFICATIONS

GENERAL

- Frequency range :
 - IC-F70T/S, F70DT/DS 136-174MHz
 - IC-F80T/S, F80DT/DS 400-470MHz
 - 450-520MHz
- Number of channels : 256 channels/32 zones
- Channel spacing : 12.5kHz/25kHz, 15kHz/30kHz
- PLL channel step : 2.5kHz, 3.125kHz (VHF)
5kHz, 6.25kHz (UHF)
- Antenna impedance : 50Ω
- Operating Temp. range : -30°C to +60°C; -22°F to +140°F
- Power supply requirement : 7.2V DC
- Output power and current drain (at 7.2V DC; approx.):

		IC-F70, F70D	IC-F80, F80D
Output power		5W	4W
	Transmit	High 2.2A	2.4A
Receive	Low (1W)	1.5A	1.5A
	AF max.	450mA	450mA
	stand-by	150mA	150mA

- Dimensions (with battery pack): 58.6 (W) × 152 (H) × 38 (D) mm;
(projections are not included) 2⁹/₁₆ (W) × 5³¹/₃₂ (H) × 1¹/₂ (D) in
- Weight (approx.) : 400g; 14.1oz (with BP-235)
430g; 15.6oz (with BP-236)

TRANSMITTER

- Max. frequency deviation : ±5.0/2.5kHz (Wide/narrow)
- Frequency error : ±2.0ppm
- Spurious emissions : 70dB typ.
- Adjacent channel power : 70/60dB min. (Wide/narrow)
- FM Hum and Noise :
 - VHF 45/40dB typ. (Wide/narrow)
 - UHF 40/35dB typ. (Wide/narrow)
- Audio harmonic distortion : 3% typ. (AF 1kHz, 40% deviation)
- Modulation limiting : 60-100% of max. deviation
- Ext. microphone connector : 9-pin multi connector/600Ω

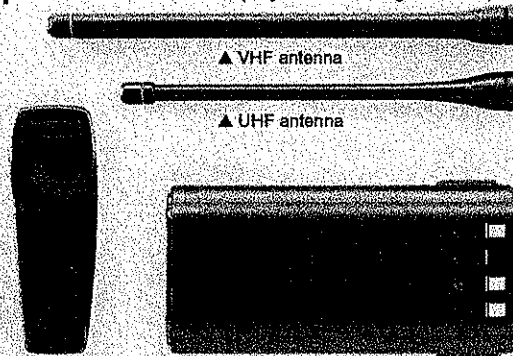
Measurements made in accordance with EIA-152C/204D, TIA-603.
All stated specifications are subject to change without notice or obligation.

LTR is a registered trademark of E.F. Johnson Company.
All other trademarks are the properties of their respective holders.

RECEIVER

- Intermediate frequency : 1st 46.35MHz 2nd 450kHz
- Sensitivity :
 - Analog (12dB SINAD) 0.25μV typ.
 - Digital (5% BER) 0.25μV typ.
- Squelch sensitivity (at threshold) :
 - VHF 0.25μV typ.
 - UHF 0.32μV typ.
- Adjacent channel selectivity :
 - Analog VHF 80/73dB typ. (Wide/narrow)
 - UHF 78/70dB typ. (Wide/narrow)
 - Digital VHF/UHF 60dB typ.
- Spurious response :
 - VHF 80dB typ.
 - UHF 75dB typ.
- Intermodulation : 75dB typ.
- Hum and noise ratio : 45/40dB typ. (Wide/narrow)
- Audio output power : 500mW typ.
(at 5% distortion with an 8Ω load)
- External speaker connector: 9-pin multi connector/8Ω

Supplied accessories: (May differ according to version)



• Alligator-type belt clip, MB-98 • Battery pack, BP-235

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

Your local distributor/dealer:

AFFIDAVIT

West Virginia Code §5A-3-10a states:

No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions.

"Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION:

The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING:

The vendor must be licensed in accordance with any and all state requirements to do business with the state of West Virginia.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: Collier2way Communications, Inc

Authorized Signature:  Date: 06/07/06