



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 860430

Procurement Type: Central Master Agreement

Vendor ID: VS0000003408

Legal Name: Leavitt Communications LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 04/13/2021

Response Time: 16:45

Responded By User ID: pcleavitt

First Name: Philip

Last Name: Leavitt

Email: pcleavitt@leavittcom.com

Phone: 847-955-0511

SO Doc Code: CRFQ

SO Dept: 0803

SO Doc ID: DOT2100000119

Published Date: 4/12/21

Close Date: 4/15/21

Close Time: 13:30

Status: Closed

Solicitation Description: ADDENDUM NO_1 HANDHELD TWO-WAY RADIOS AND

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia
 Solicitation Response**

Proc Folder: 860430
Solicitation Description: ADDENDUM NO_1 HANDHELD TWO-WAY RADIOS AND BATTERIES
Proc Type: Central Master Agreement

Solicitation Closes	Solicitation Response	Version
2021-04-15 13:30	SR 0803 ESR04132100000007033	1

VENDOR
 VS0000003408
 Leavitt Communications LLC

Solicitation Number: CRFQ 0803 DOT2100000119
Total Bid: 0
Response Date: 2021-04-13
Response Time: 16:45:16
Comments:

FOR INFORMATION CONTACT THE BUYER
 John W Estep
 304-558-2566
 john.w.estep@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	HANDHELD TWO-WAY RADIOS	0.00000	EA	435.250000	0.00

Comm Code	Manufacturer	Specification	Model #
43191510			

Commodity Line Comments: See letter and additional pages attached for detailed explanation of bid. We are bidding Icom F52d w/BP294 Battery Li Ion 3150mAh battery and Power Products BP294LI 3150 mAh spare batteries with belt clip. The sum of

Extended Description:

HANDHELD TWO-WAY RADIOS

LEAVITT Communications

7508 N. Red Ledge Drive
Paradise Valley, AZ 85253-2850

13 April 2021

Mr. John Estep
State of West Virginia
2019 Washington Street East
Charleston, WV 25305-0130

Re : Solicitation CRFQ 0803 DOT2100000119
Due 15 April 2021; 1:30PM
Fax: 304-558-3970

To Whom It Concerns:

Please accept this Letter of Explanation, and the attachments included, to clarify our bid.

- a. We are bidding the ICOM F52d portable radio with BP294 3150mAh Li Ion battery, which meets (and EXCEEDS in many respects) the stated specifications. We have included a specification brochure for this radio,
- b. We are a registered vendor to West Virginia – VS0000003408 and our information on file is current,
- c. We have included insurance pages showing both auto and liability coverages, and should we be awarded if you require being made a named insured, we will supply an acceptable certificate. Note we will be shipping all goods via Federal Express and will not personally enter WV by vehicle as part of this bid process,
- d. If requested we will provide one cloning cable, one programming cable and one software CD (which can be loaded onto as many computers as desired) as part of our bid. Additional programming cables (OPC1862) cost \$117.50 each and additional radio-to-radio cloning cables (OPC1870) cost \$77.50 each

Thank you for the opportunity.

Sincerely,

Philip C. Leavitt

Philip C Leavitt
V.P



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

State of West Virginia
Centralized Request for Quote
Miscellaneous

Proc Folder: 860430			Reason for Modification:
Doc Description: HANDHELD TWO-WAY RADIOS AND BATTERIES			
Proc Type: Central Master Agreement			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-03-29	2021-04-15 13:30	CRFQ 0803 DOT2100000119	1

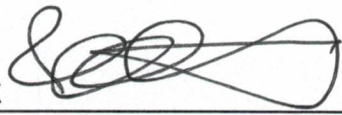
BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: ~~VS00000000~~ 3408
Vendor Name: Leavitt Communications, LLC
Address: 7508 N Red Ledge Drive
Street:
City: Paradise Valley
State: AZ Country: USA Zip: 85253-2850
Principal Contact: Philip C. Leavitt
Vendor Contact Phone: 847-955-0511 Extension: N/A

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor Signature X  FEIN# 20-1566622 DATE 13 April 2021

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION**REQUEST FOR QUOTATION:**

The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia Department of Transportation, Division of Highways Equipment Division to establish an open-end contract for VHF High Band Handheld Two-Way Radios and Batteries. Per the Bid Requirements, Specifications, Terms and Conditions attached to this Solicitation.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV 26201 US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	HANDHELD TWO-WAY RADIOS	0.00000	EA		

Comm Code	Manufacturer	Specification	Model #
43191510			

Extended Description:
HANDHELD TWO-WAY RADIOS

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Tech Questions due by 10:00am	2021-04-07

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO DOT2100000119

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.


Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Leavitt Communications, LLC
Company


Authorized Signature

13 April 2021
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

VENDOR: Leavitt Communications Handheld two-way radio and batteries - Pricing Page

Item No.	General Description	Quoted Make, Model Description	Estimated Unit Quantity	Unit (for calculation purposes)	Unit Price	Item Total Cost
1	VHF High Band two-way handheld radio	ICOM F52d w/ BP294 2150 mAH battery	200	EACH	\$ 375.50	\$0.00 75,100.00
2	Replacement batteries	Power Products BP294 HI 2150 mAH	200	EACH	\$ 59.75	11,950.00
TOTAL BID COST						→

CONTRACT MANAGER: Philip C. Leavitt

TELEPHONE NUMBER: 847-955-0511

FAX NUMBER: 270-447-1909

E-MAIL ADDRESS: pcleavitt@leavittcom.com

Distributed by
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Communications

7508 N. Red Ledge Dr.
 Paradise Valley, AZ 85253-2851
 www.leavittcom.com

Prompt, Courteous, & Fairly Priced Service

Radio & Paging Product Specialist
 Distributor or Dealer for:

Philip C. Leavitt
 Phone: 847.955.0511
 Fax: 270.447.1909
 pcleavitt@leavittcom.com

RADIOS: Motorola-Vertex, B-K RELM, ICOM
PAGERS: Motorola, Apollo, Unication, SPOK, Daviscomms, Swissphone

F52D/F62D Series

Analog & IDAS Digital Compact Waterproof Portables

SPECS

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	5W
Channels:	512 w/128 zones
Display:	14 character full dot-matrix w/status icons
Mil Spec:	C, D, E, F & G
Scan:	Normal, priority & dual priority
Waterproof Rating:	IP67
Weight:	8.1oz



GENERAL FEATURES

- Voice recording/playback (up to 8 minutes)
- Programmable vibration alert
- Bluetooth™ built-in
- Voice announcement (channel number and zone)
- Backlit LCD and buttons
- 20-position rotary selector and ON/OFF volume knob
- Emergency key
- Man down function
- Lone worker function

IDAS FEATURES

- IDAS™ conventional
- IDAS™ single-site and multi-site TYPE-D trunking option
- AMBE+2™ vocoder
- Analog/digital mixed operation
- Over-the-Air Programming with manager software
- Over-the-Air Alias (OAA) sends own name with a call
- Over-the-Air Update (OTAU) changes the repeater channel data and site code over the air (Type-D trunking)
- Individual, group call
- Status call and polling
- Short data message
- Transparent data mode

COMES WITH

- Battery (BP-290)
- Belt Clip (MMB-3)
- Owner's manual
- Warranty: 3-Year

Analog Signaling

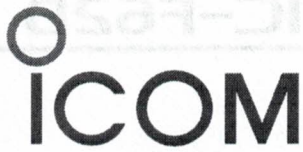
- 2-tone, CTCSS, DTCS tone
- MDC functions
- DTMF autodial

ENCRYPTION

- Digital voice scrambler (low level encryption)
- Analog voice scrambler (inversion)

Icom America Inc.

U.S. Land Mobile Dealer: Product Catalog



IC-F52D IC-F62D

VHF AND UHF DIGITAL TRANSCEIVERS

A New Legacy: Slimmer, Smaller and Infinitely Better



IC-F52D

IC-F62D

The IC-F52D series is a next generation IDAS™ handheld radio. It not only inherits technical design advantages from the IC-F3400D series, but also offers state-of-the-art improvements, while applying size and usability from the hugely popular IC-F50V/IC-F50 series analog models. The IC-F52D series is a true mixture of legacy and modern technology in one of the most compact packages available today.

Small, light and feature packed

Multiple operating modes

- Analog FM
- NXDN™/dPMR™ conventional
- Upgradable to NXDN™ Type-D trunking
- Upgradable to dPMR™ Mode 3 trunking*

* Not available in all regions.

Full dot-matrix display, rotary channel and volume knob for simple every-day operation

Built-in Bluetooth®, voice recording, active noise cancelling functions

Motion/stationary detection, man down and lone worker functions

OTAP (Over-the-Air Programming) function easily reconfigures in-the-field radios

Intelligent battery management helps to extend the battery life

IDAS™
ICOM DIGITAL ADVANCED SYSTEM

NXDN™

dPMR™
digital

General Features

- 136–174, 350–400, 400–470, 450–512, 450–520 MHz versions
- 512 Channels / 128 Zones
- 14 character dot-matrix display with status icons
- Improved user interface
- Programmable functions and menu items in a language other than English (For example French, Spanish, German, Russian and Turkish)
- Backlit LCD and buttons
- Continuous rotary knob and ON/OFF volume knob
- 1300 mW loud and intelligible internal speaker audio
- MIL-STD-810 G shock, vibration, temperature and more
- IP67/66/55/54 waterproof & dust-tight protection
- 29 mm (1.1 inch) slim dimensions (with BP-290 battery pack)
- Battery information display
- License key upgrade (trunking)

Operating Mode

- NXDN or dPMR mode 1/2 conventional
- NXDN or dPMR multi-site conventional over IP network
- NXDN Type-D single/multi-site trunking*
* License key (ISL-UGMTR) required.
- dPMR Mode 3 trunking*
* License key (ISL-UGMD3) required. Not available in all regions.
- 12.5 kHz digital mode (NXDN conventional)
- Analog mode
- Analog/digital mixed operation

Digital Functions (Voice and Data)

- AMBE+2™ vocoder
- Over-the-Air Programming (OTAP) function*
* OTAP manager (CS-OTPM1) required.
- Over-the-Air Alias (OAA) sends own name with a call
- Over-the-Air Update (OTAU) changes the repeater channel data and site code over the air (NXDN Type-D trunking)
- Individual, group and all call
- Late entry for group call
- Status call and polling
- Short data messages
- Call alert (NXDN)
- GPS position data (Optional HM-233GP required)
- Transparent data mode



Check our web site to know more about
6.25 kHz FDMA narrow band.
www.icom.co.jp/world/fdma/

Analog Functions

- CTCSS and DTCS tone
- 2-Tone and 5-Tone
- MDC functions (depending on version)
- BIIS 1200 (MSK)
- LTR™ trunking (depending on version)
- DTMF autodial

Security and Safety

- Digital voice scrambler (Low level encryption)
- Analog voice scrambler (Inversion)
- Power ON password
- Tactical group temporarily reconfigures user talkgroups
- Radio Stun/Revive/Kill
- Remote monitor (NXDN)/ambience listening (dPMR)
- Emergency key for emergency call
- Man down function
- Lone worker function
- Motion/stationary detection

Scan Functions

- Priority scan
- Voting scan for site roaming

Voice/Audio Functions

- Voice announcement (Channel number and zone)
- VOX function for hands-free operation
- Voice recording/playback (Up to 8 minutes)
- TX/RX active noise canceller
- TX/RX audio equalizer
- Audio compander (Analog mode)

Hardware Features

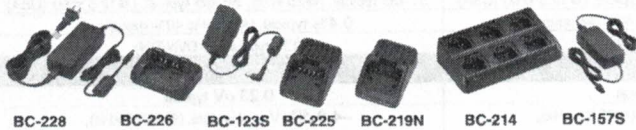
- Programmable vibration alert
- Built-in Bluetooth® for wireless audio and data
- Variety of optional audio accessories including speaker-microphones, headsets and earphones
- Optional HM-233GP GPS speaker-microphone
- 14-pin accessory connector
- Wireless radio programming over Bluetooth®
- Optional BC-225 intelligent charger and RS-BC225 reader software for BC-225 for battery life cycle management.

BATTERY PACK AND BATTERY CASE

BP-290: Rechargeable Li-ion 7.2 V/1910 mAh (min.), 2010 mAh (typ.). IP67 protection.
BP-294: Rechargeable Li-ion 7.2 V/3050 mAh (min.), 3150 mAh (typ.). IP67 protection.
BP-291: LR6 (AA) × 5 battery case. IP54 protection.

BATTERY CHARGERS

BC-226: Connectable type charger (connects up to six BC-226 units). Charges the BP-290 in 2.7 hours.
 + **BC-228:** AC adapter. One AC adapter is required for up to six charger units.
BC-225: Intelligent charger. Shows the charging information with the LED lighting. Charges the BP-290 in 2.5 hours (approx.).
 + **BC-123SA/SE/SV:** AC adapter.
RS-BC225: Intelligent charger software for Windows® PC.
BC-227: Compact type desktop charger. Charges the BP-290 in 2.7 hours.
 + **BC-123SA/SE/SV:** AC adapter.
BC-219N: Desktop charger. Charges the BP-290 in 2.5 hours.
 + **BC-123SA/SE/SV:** AC adapter.
BC-214: Multi-charger. Charges up to six BP-290 batteries in 2.8 hours (approx.).
 + **BC-157S:** AC adapter.
 * AD-132N charger adapter is supplied with the BC-214, depending on version.

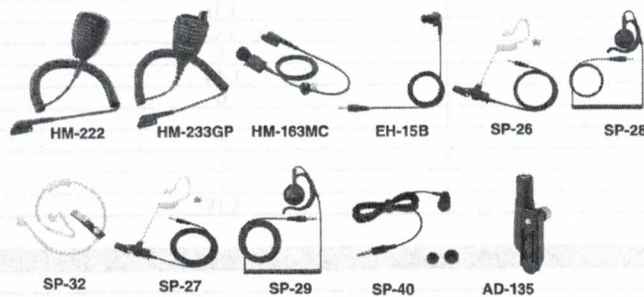


POWER SUPPLY CABLES

CP-23L: Vehicle charger cable for use with the BC-219N or BC-227.
OPC-515L: DC power cable for use with the BC-219N, BC-225 or BC-227.
OPC-656: DC power cable for use with the BC-214.

SPEAKER-MICROPHONES AND EARPHONES

HM-222: Speaker microphone with 3.5 mm earphone jack. IP68 protection.
HM-233GP: GPS speaker microphone. IP67 protection.
HM-163MC: Tie-clip microphone with 2.5 mm earphone jack.
EH-15B: Earphone with 2.5 mm plug for use with HM-163MC.
SP-26: Tube earphone with 2.5 mm plug for use with HM-163MC.
SP-28: Earhook type earphone with 2.5 mm plug for use with HM-163MC.
SP-32: Tube earphone adapter for use with EH-15B.
SP-27: Tube earphone with 3.5 mm plug. For use with HM-222 or AD-135.
SP-29: Earhook type earphone with 3.5 mm plug. For use with HM-222 or AD-135.
SP-40: Earphone with 3.5 mm plug. For use with HM-222 or AD-135.



HEADSETS AND PTT SWITCH CABLE

HS-94: Earphone-headset (Use with VS-5MC).
HS-95: Behind-the-head headset (Use with VS-5MC).
HS-97: Throat microphone (Use with VS-5MC).
VS-3: Bluetooth headset.
VS-5MC: PTT switch cable with VOX function. VS-5MC is required when using any of HS-94, HS-95 or HS-97.



BELT CLIPS, BELT HANGERS AND CARRYING CASES

MBB-3: Alligator belt clip. Same as supplied.
MB-136: Swivel belt clip.
MB-96N: Swivel type leather belt hanger.
MB-96F: Fixed type leather belt hanger. For use with the MBB-3.
MB-96FL: Long fixed type leather belt hanger. For use with the MBB-3.
LC-187: Hard type carrying case for BP-290. Charging is possible while the case is attached.
LC-190: Hard type carrying case for BP-294. Charging is possible while the case is attached.
LC-188: Hard type carrying case for BP-290.



OTHER OPTIONS AND CABLES

AD-135: 3.5 mm earphone jack adapter for use with any of SP-27, SP-29 or SP-40 earphone.
AD-118: ACC adapter. For use with Hirose plug accessory.
OPC-2338: Programming cable. USB-14-pin type.
OPC-1870: Zone copy cable. Handheld to handheld type.

SOFTWARE AND ACTIVATION KEYS

CS-OTPM1: OTAP manager software.
CS-F52D: Programming software.
ISL-UGMTR: NXDN™ Type-D trunking upgrade key.
ISL-UGMD3: dPMR™ Mode 3 trunking upgrade key.

ANTENNAS

FA-SC25V: 136–150 MHz
FA-SC28V: 148–162 MHz
FA-SC29V: 160–174 MHz
FA-SC01U: 350–400 MHz
FA-SC25U: 400–430 MHz
FA-SC57U: 430–470 MHz
FA-SC72U: 470–520 MHz

STUBBY ANTENNAS

FA-SC26VS: 136–144 MHz
FA-SC27VS: 142–150 MHz
FA-SC56VS: 150–162 MHz
FA-SC57VS: 160–174 MHz
FA-SC26US: 400–450 MHz
FA-SC73US: 450–490 MHz

HIGH GAIN ANTENNAS

FA-SC62V: 150–160 MHz
FA-SC63V: 155–165 MHz

CUT-TYPE ANTENNAS

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

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

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www.icomuk.co.uk

Icom France s.a.s.
www.icom-france.com

		IC-F52D NXDN Version	IC-F52D dPMR Version	IC-F62D NXDN Version	IC-F62D dPMR Version
GENERAL					
Frequency coverage* (* Depending on version)		136-174 MHz	136-174 MHz	350-400, 400-470, 450-512, 450-520 MHz	400-470 MHz
Number of channels		512 channels /128 zones			
Type of emission* (* Depending on version)		16K0F3E*, 14K0F3E, 11K0F3E, 8K50F3E, 8K30F1E/D, 4K00F1E/D	16K0F3E*, 14K0F3E, 8K50F3E, 4K00F1E/D	16K0F3E*, 14K0F3E, 11K0F3E, 8K50F3E, 8K30F1E/D, 4K00F1E/D	16K0F3E*, 14K0F3E, 8K50F3E, 4K00F1E/D
Power supply requirement		7.5 V DC nominal			
Current drain (approx.)	Tx	1.8 A			
	Rx	500 mA /170 mA (Max. audio (internal SP)/Standby)			
Antenna impedance		50 Ω			
Operating temperature range		-30 °C to +60 °C; -22 °F to +140 °F (Radio specifications)			
Dimensions (W x H x D; Projections not included)		56 x 91.5 x 29 mm; 2.2 x 3.6 x 1.1 in (With BP-290)			
Weight (approx.)		125 g; 4.4 oz (main unit)			
		230 g; 8.1 oz (BP-290, MBB-3)			
TRANSMITTER					
Output power (Hi, L2, L1)		5 W, 2 W, 1 W		5 W, 2 W, 1 W	
Frequency stability		±1.0 ppm		±1.0 ppm	
Spurious emissions		80 dB typical. (USA)		80 dB typical. (USA)	
		0.25 μW (≤ 1 GHz), 1.0 μW (> 1 GHz) (EUR)		0.25 μW (≤ 1 GHz), 1.0 μW (> 1 GHz) (EUR)	
FM Hum and noise		57 dB typical. (@ 25 kHz), 55 dB typical. (@ 12.5 kHz) (USA)		57 dB typical. (@ 25 kHz), 56 dB typical. (@ 12.5 kHz) (USA)	
Audio harmonic distortion		0.4% typical. (AF 1 kHz 40% deviation)		0.4% typical. (AF 1 kHz 40% deviation)	
FSK error		1% typical. (@ DVN/DN)		1% typical. (@ DVN/DN)	
RECEIVER					
Sensitivity	Analog (12 dB SINAD)	0.23 μV typical.		0.23 μV typical.	
	Analog (20 dB SINAD)	-4.0 dBμV emf typical. (@ 25/20 kHz), -1.4 dBμV emf typical. (@ 12.5 kHz)		-4.0 dBμV emf typical. (@ 25/20 kHz), -1.1 dBμV emf typical. (@ 12.5 kHz)	
Adjacent channel selectivity	Digital (1% BER)	-5.0 dBμV emf typical. (0.28 μV typical.) (@ DVN), -3.0 dBμV emf typical. (0.35 μV typical.) (@ DN)		-4.0 dBμV emf typical. (0.32 μV typical.) (@ DVN), -3.0 dBμV emf typical. (0.35 μV typical.) (@ DN)	
	Analog	79 dB typical. (@ 25/20 kHz), 77 dB typical. (@ 12.5 kHz)		76 dB typical. (@ 25/20 kHz), 73 dB typical. (@ 12.5 kHz)	
Spurious response rejection	Digital	70 dB typical. (@ DVN), 72 dB typical. (@ DN)		66 dB typical. (@ DVN), 68 dB typical. (@ DN)	
	Analog	76 dB typical. (USA) 68 dB typical. (EUR)		74 dB typical. (USA) 68 dB typical. (EUR)	
Intermodulation rejection	Digital	73 dBμV emf typical. (@ DVN), -40 dBm typical. (@ DN)		73 dBμV emf typical. (@ DVN), -40 dBm typical. (@ DN)	
	Internal SP	1300 mW typical. (at 5% distortion, 8 Ω load)		1000 mW typical. (at 5% distortion, 8 Ω load)	
Audio output power	External SP	1000 mW typical. (at 5% distortion, 8 Ω load)			

Measurements made in accordance with TIA-603, EN300 086, EN301 166, EN300 113. All stated specifications are subject to change without notice or obligation.
 * 25 kHz bandwidth is no longer available for FCC Part 90 licensees for USA versions.
 DVN: Digital Very Narrow (6.25 kHz), DN: Digital Narrow (12.5 kHz). DN is for NXDN version only.

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	
Dust & Water	IP67/66/55/54

Battery Life

Battery pack	Type	Capacity	Operating time*
BP-290	Li-ion 7.2 V	2010 mAh (typ.), 1910 mAh (min.)	13 hours (Approx.)
BP-294	Li-ion 7.2 V	3150 mAh (typ.), 3050 mAh (min.)	18.5 hours (Approx.)

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

Supplied accessories: (May differ depending on version)

- Battery pack, BP-290
- Belt clip, MBB-3

VHF/UHF DIGITAL TRANSCEIVERS

IC-F52D

IC-F62D

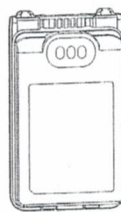
Thank you for choosing this Icom product.
READ ALL INSTRUCTIONS carefully and completely before using this product.

IMPORTANT

This instruction sheet includes some functions that are usable only when they are preset by your dealer. The transceiver may have other functions and operations that are not described in this instruction sheet. Ask your dealer for preset function details.

SUPPLIED ACCESSORIES

Battery pack



Belt clip



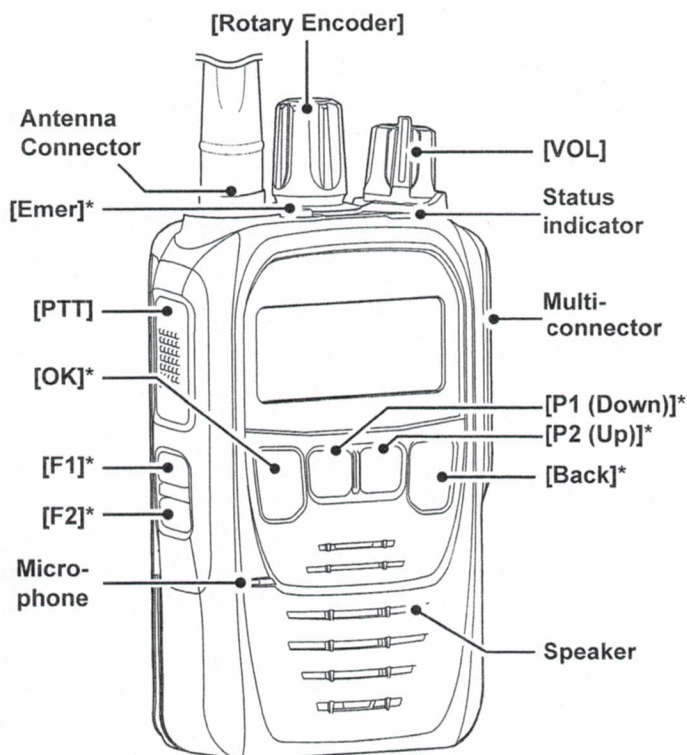
Connector cover (with a screw)



NOTE:

- Some accessories are not supplied, or the shape is different, depending on the transceiver version.
- Confirm both battery sliding locks are locked in place, when attaching the battery to the transceiver. Both sliding locks make a 'click' sound when locked.

PANEL DESCRIPTION



◇ About the Status indicator

- Lights white, then blinks red, yellow, and green when turning ON the transceiver.
- Lights red while transmitting.
- Lights green while receiving a signal, or when the squelch is open.

◇ About the Multi-connector

Connects to an optional speaker microphone or headset.

CAUTION: DO NOT use the transceiver without the connector cover or the optional microphone attached. The transceiver meets IP67 requirements for dust-tight and waterproof protection only when the connector cover or the optional microphone is attached.

◇ About the Software key functions

NOTE: Your dealers can assign the Software key functions to the keys.

*Dealer assignable



DECLARATIONS
RENEWAL

COMMERCIAL UMBRELLA LIABILITY
INSURANCE POLICY
AMCO INSURANCE COMPANY
ONE NATIONWIDE PLAZA
COLUMBUS OH 432152220

Policy Number: **ACP CAA 3048102586**

ITEM 1
Named Insured: **LEAVITT COMMUNICATIONS LLC**

ITEM 2
Address: **7508 N RED LEDGE DR
PARADISE VALLEY AZ 852532850**

Agent: **NATIONWIDE SALES SOLUTIONS INC**
Address: **DES MOINES IA 50391 27 34 55050 0001**
PRODUCER: **NATIONWIDE SALES SOLUTIONS INC**

CSC

ITEM 3
Policy Period : From 12:01 A.M., **02/15/21** to 12:01 A.M., **02/15/22**

ITEM 4
Schedule of Underlying Insurance: See Endorsement No. UMB 00 01

ITEM 5
Retained Limit Aggregate: **NONE**

ITEM 6
Limits of Insurance: a) **\$1,000,000** Each Occurrence
b) **\$1,000,000** Products - Completed Operations Aggregate
c) **\$1,000,000** Other Aggregate

ITEM 7
Coverage A - Excess Follow Form Liability Insurance
 B - Umbrella Liability Insurance

ITEM 8
Premium : Amount
\$350.00

ITEM 9
Endorsements: **UMB0001 0309 UMB0002 0413 UMB0052 0115 UMB0200 0112 UMB0201 0413**
UMB7010 0514 UMB0095 0311 UMB0028 0413 UMB0064 0120

Renewal or Replacement No. **ACP CAA 3038102586**

Countersigned By _____
Authorized Representative

CHUBB

Platinum Portfolio®

POLICY NUMBER: 268-02-70-51A

A 0117

AUTO DECLARATIONS PAGE

Policy issued by BANKERS STANDARD INSURANCE COMPANY

NAMED INSURED:

PHILIP C LEAVITT
ELLEN O LEAVITT
7508 N RED LEDGE DR

PARADISE VLY AZ 85253-2850

AGENT OR BROKER:

AUTO & HOME INS AGENC IN
DBA BENSMAN RISK MANAGEM
2333 WAUKEGAN RD
SUITE 275
BANNOCKBURN
Telephone: (847) 572-0800

IL 60015-1574

Policy Period From: 09/17/2020 To: 09/17/2021 12:01 A.M. standard time

POLICY CHANGES MADE AS OF 10/16/2020 . PLEASE ATTACH TO YOUR POLICY.
AUTO COVERAGE REVISED

COVERED VEHICLE DESCRIPTION						
VEH	YEAR	MAKE	MODEL	VIN	DEDUCTIBLE	
					COMP	COLL
3	2004	CHRYSLER	TOWN & COU	2C8GT64L34R572736	1000	
4	2018	CHRYSLER	PACIFICA L	2C4RC1GG9JR113041	1000	1000

COVERAGE DESCRIPTION	COVERAGE LIMIT	PREMIUMS	
		VEH 3	VEH 4
COVERAGE IS PROVIDED WHERE A COVERAGE LIMIT OR PREMIUM IS SHOWN FOR THE COVERAGE			
LIABILITY	1,000,000	1008.00	949.00
UNINSURED MOTORISTS COVERAGE	1,000,000	40.00	40.00
UNDERINSURED MOTORISTS COVERAGE	1,000,000	232.00	232.00
MEDICAL EXPENSES	10,000	66.00	62.00
COMPREHENSIVE - FULL GLASS		96.00	271.00
COLLISION			493.00
AUTO THEFT PREVENTION AUTHORITY FEE		1.00	1.00
OPTIONAL COVERAGES PREMIUM			28.00
VEHICLE PREMIUM		1443.00	2076.00
TOTAL ANNUAL AUTO PREMIUM	\$4,903.00		
RETURN PREMIUM	\$222.00		