



## SINGLE BAND HANDHELDS

The AT-201HP and 401HP are advanced single band HT's with 40 memory channels, programmable band scan, auto repeater offset, frequency or channel display and more. The units have rugged metal cases with backlit keypads and displays. 12V batteries come standard, providing 5W of RF power. • MARS/CAP capable • 40 memories • CTCSS enc/decode • Programmable band and memory scan • DTMF paging • Dual frequency watch • Auto repeater offset • User selectable frequency or channel display modes.

**AT-201HP** 2M Handheld Transmit: 144-148MHz • Receive range: 130-179MHz • 4.25" h x 2" w x 1.3" d excluding battery pack

### Available Accessories

CHA072 Wall charger for RBP072, CHA120 Wall charger for RBP120/RBP22, PCA145 Cigarette lighter cable, RBP120 12V 700mA NiMH, SD911 Rapid charger, SLC200L 5W carrying case

**FREE ITEMS included with some radios.**  
**See Price Guide for details.**



## SINGLE BAND HANDHELDS

**DJ-196T** 2M HT 5W output • 135-174MHz rx • 40 multi-function memory channels • MAR/CAP capability • Alpha-numeric display • CTCSS tone encode/ decode and DCS • S-meter • Auto dialer • Cable cloning • PC programming capability • Theft alarm • Experimental insect repel • Back lit keypad • 4.9" h x 2.2" w x 1.6" d, 13.2 oz

**DJ-296T** 222 HT Same as DJ-196T except has a range of 222-225MHz

196T except has a range of 222-225MHz

**DJ-496T** 440 HT Same as DJ-196T (above) except has a range of 430-450MHz

### Available Accessories

EBC6 Mobile HT bracket, EBP48N 9.6V 700mA 5W NiCad battery, EBP50N 9.6V 700mA 5W NiMH battery, EBP51N 9.6V 1500mAh 5W NiMH battery, EBP56N 7.4V 1000mAh lithium battery, EDC111 Charger for EBP56N, EDC16B Cigarette lighter cable and filter, EDC36 Angle plug power cable with filter, EDC37 13.8V power cable, EDC43 Cigarette lighter cable, EDC88 Rapid charger, EDC97 NiMH quick charger, EDH30 Dry cell battery case, EME12 Headset/earphone/ microphone with VOX, EME13 Headset/earphone/microphone with VOX, EME15 Earphone/microphone with VOX, EME17 Boom earphone microphone, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker microphone with volume control, ERW4 PC cable, ESC36 Soft case for EBP48N



**DJ-S40T** Pocket-sized UHF HT Covers 420-450MHz, with receiving capabilities beyond the range. 500mW power output – can be increased to 1W by using optional NiMH or external DC supply. • 100 memories • Call channel and several scan modes • Newly designed case that conceals the speaker but provides loud, clear audio • 38 CTCSS en/decode settings (decode standard) • 4 tone bursts, making it usable for repeaters in many parts of the world • Large, easy-to-read, illuminated display • Experimental “mosquito repelling feature” • Theft alarm function • Cloning capability • Use with crossband transceivers (base or mobile dualband) as a “remote mic”

• Experimental “mosquito repelling feature” • Theft alarm function • Cloning capability • Use with crossband transceivers (base or mobile dualband) as a “remote mic”

### Available Accessories

EBC6 Mobile HT bracket, EBP52N 3.6V 500mAh NiMH battery, EBP53N 6.0V 500mAh NiMH battery, EBP54N 3.6V 1500mAh NiMH battery, EDC105 Drop-in NiMH charger without power supply, EDC37 13.8V power cable, EDC43 Cigarette lighter cable, EDC93 Wall power supply for EDC105, EDH31 Dry cell battery case, EME12 Headset/earphone/microphone with VOX, EME15 Earphone/microphone with VOX, EME17 Boom earphone microphone, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker microphone with volume control, EMS8Z Remote speaker mic, ESC37 Soft case



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# The Xtreme

# Communications Xperts!

## DM-330MVT Communications Grade Switching Power Supply

*Alinco's Xperts have reinvented the power supply!* Xtremely quiet with a patented noise shift circuit, but we'll be surprised if you ever need to use it. It's small, lightweight and powerful! 30A continuous, 32 A peak output, but weighs less than 5 lbs. Variable output from 5 ~ 15 VDC, memory output setting, lighted V/A meter, front panel cigar (10A) and quick-connect (5A) terminals, rear panel high-current connections. Ripple less than 15 mV p-p. *Xtra versatile, use for travel, station or test bench.*



## EDX-2 Automatic Wire Antenna Tuner

*Xtreme users want to get on the air fast!* Ground it, connect a wire and plug it into your rig. Tunes random length wires from 9 ~ 80 feet. Covers 160 ~ 10 meters. (minimum 40 feet of wire needed for use on 160m) Compatible with DX-70 and DX-77 transceivers. Made for indoor/outdoor mounting, use at home, mobile or in the field. Outputs directly to a wire or whip antenna only (no coax output).



## DJ-X2000T Multimode Wide Range “Intelligent” Receiver

*Monitoring Xcitement* is found in the “Intelligent Receiver” from 100 KHz ~ 2150 MHz\* with 2000 memory channels, alpha-numeric labeling, receives AM, WFM, NFM, LSB, USB, CW and FM stereo. \*\* On-line “help” feature, 20 scan programs, computer programmable (download free software from Alinco website), Channel Scope™ display, Transweeper™, RF frequency counter, digital sound recorder, CTCSS decode, 2 level attenuator, field strength meter, *instant “flash tune” and many Xtras!*



## DJ-X3TD Multimode Wide Range Communications Receiver

*Xceptional and unique!* Small but powerful. Receives 100 KHz ~ 1.3 GHz\*, AM, NFM, WFM. 700 memory channels, dry cell battery pack, four scan modes, stereo FM reception. \*\* *Download free control software from www.alinco.com*



## DJ-X10T Multimode Wide Range Communications Receiver

*Xtraordinary reception* from 100 KHz ~ 2 GHz\* with 1200 memories, alphanumeric display, Channel Scope™ Display, receives WFM, NFM, USB, LSB, AM and CW. Internal HELP feature, seven scan modes, clock with on/off function, “new user” and “eXpert” operating modes, BNC antenna connector, cloning function, *and an Xtensive array of custom settings.*



www.ALINCO.com

\*Cellular blocked in USA. Unblocked versions available to qualified users, documentation required. \*\*Optional stereo headphones required. Specifications subject to change without notice or obligation.



**DJ-S11T** Sub-Miniature VHF HT TX/RX: 144-148 MHz • 340 mW output • 20 multi-function memories plus 1 call • Encoder installed (50 tones) • Illuminated display • Use 3 AA or NiCad battery • Pivoting antenna • 4" h x 2" w x 1" d, 6.5 oz

**Available Accessories**

EBC6 Mobile HT bracket, EDC78 Wall charger (not alkaline), EDH18 12V/5.5V DC cigarette lighter plug, EME12 Headset/earphone/microphone with VOX, EME13 Headset/earbud/microphone with VOX, EME15 Earphone/microphone with VOX, EME17 Boom earphone microphone, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker microphone with volume control, ESC27 Soft case



**DUAL BAND HANDHELDS**

**DJ-596T MK II** 2M/440MHz Dual Band HT The first Amateur HT to support optional digital voice communications. • 5W output on both bands with standard NiMH battery • Wide or narrow FM • Digital voice optional • Extended receive capabilities • CTCSS/DCS encode/decode • Three scan modes • Work and save in memory any number of "odd split" transmit/receive offsets • Illuminated keys and display • Large display shows alphanumeric designations for each of the 100 memories • Theft alarm and experimental "mosquito repelling sound" • 9 autodial memories • ± 2.5ppm crystal • External terminal control can output 5 VDC @ 5mA from mic jack, can be used by experimenters to control external devices • Operates on 6-16VDC, battery charges while on external source • 4.9" h x 2.2" w x 1.6" d, 13.2 oz

**Available Accessories**

EBC6 Mobile HT bracket, EBP48N 9.6V 700mAh 5W NiCad battery, EBP50N 9.6V 700mAh 5W NiMH battery, EBP51N 9.6V 1500mAh 5W NiMH battery, EBP56N 7.4V 1000mAh lithium battery, EDC111 Charger for EBP56N, EDC16B Cigarette lighter cable and filter, EDC36 Angle plug power cable with filter, EDC37 13.8V power cable, EDC43 Cigarette lighter cable, EDC88 Rapid charger, EDC97 NiMH quick charger, EDH30 Dry cell battery case, EJ47U Digital board, EME12 Headset/earphone/mic with VOX, EME13 Headset/ear bud/microphone with VOX, EME15 Earphone/microphone with VOX, EME17 Boom earphone microphone, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker mic with volume control, ERW4 PC cable, ESC36 Soft case for EBP48N, SW596 Windows programming software

**DJ-V5TH** VHF/UHF Dual Band FM HT Full 2 meter and UHF Amateur band coverage • Standard high-power 700 mAh NiCad battery pack – up to 5W output • 3 output settings • Expandable receive range 76–999MHz (cellular blocked), includes wide FM capability • Split-band operation capability • Eight different tuning steps • Alpha-numeric display – up to 6 characters • 200 memory channels plus two call channels • CTCSS encode/decode • DTMF squelch • 4 different European tone bursts • 4 scan modes and 5 programmable scan banks • MARS/CAP capability • Auto-dial memories • Auto high temperature protection feature • SMA connector • Wire cloning capable • Accepts up to 13.8V DC input • 4.5" h x 2.25" w x 1.75" d, 13 oz



**Available Accessories**

EBP46N 9.6V 600mAh 5W NiCad battery, EDC16B Cigarette light cable with filter, EDC36 Angle plug power cable with filter, EDC37 13.8V power cable, EDC43 Cigarette lighter cable, EDC91 Quick charger, EDH29 Dry cell battery case, EME12 Headset/earphone/microphone with VOX, EME13 Headset/ear bud/microphone with VOX, EME15 Earphone/ microphone with VOX, EME17 Boom earphone microphone, EME20 Tie-pin mic/earphone, EME6 Earphone, EMS47 Speaker mic with volume control, EMS8Z Remote speaker mic, ESC35 Soft case for EBP45N/46N



**DJ-C5T** Credit Card Sized 2M/440MHz Dual Band HT 300mw output • TX: 144–147.995 & 420–449.995MHz • RX: 118–173.995 and 420–449.995MHz • 50 memories • CTCSS tone enc/dec standard • Volume/squelch control • Keylock • Auto power off with Morse Code alert • Mic/earphone jack • TX lamp • Free offset • Reverse monitor • Scan function with skip setting • Multi Euro tone bursts • Battery save & channel display modes • AM aircraft receive with expanded VHF wideband reception • Rechargeable 3.8V lithium-ion battery • 2-hour "snap-in" charger • Soft case • 3.75" h x 2.25" w x 0.43" d, 3 oz

**Available Accessories**

EDC16B Cigarette light cable with filter, EDC36 Angle plug power cable with filter, EDS7 Microphone adapter, EME17 Boom earphone microphone, EME18 Earphone, EME20 Tie-pin mic/earphone, EMS49 Mini lapel speaker microphone, EMS50 Speaker microphone, ESC34 Soft case with belt clip

**2M SINGLE BAND HANDHELDS**

**IC-2GXAT/HP** 2M Transceiver 7W output @ 13.5 V DC • 144-148MHz rx (136-174MHz expandable) • 40 mem. channels • 700mAh battery • Auto repeater operation • Tone scan • DTMF redial and five auto dial memories • 350 mW audio • Selectable DTMF speed • Built-in PL enc/dec • 35mA current drain • 2.2" w x 4.9" h x 1.4" d, 12.9 oz..... **Closeout**



**Available Accessories**

AD25 Battery charger adapter, AD28 Battery pack adapter/rapid charger, BC119N11 NiCad/NiMH desk charger, BP130A Battery case, BP157A 900mAh 7.2V battery, BP174 600mAh 12V battery, HM128 Earphone + mic, HM46 Slim-line speaker mic, HM46L Slim-line speaker mic with right angle plug, HM54 Heavy-duty speaker mic, HS51 Headset/VOX, HS94 Earpiece headset, MB30 Mobile or wall bracket, OPC288 Mini DC power cord, SP13 Earphone, VS1 VOX-PTT unit for HS94

**FREE ITEMS included with some radios.**  
**See Price Guide for details.**

**IC-T2H SPORT** 2M Handheld 6W @ 9.6 VDC • 136-174MHz receive • 43 memories • CTCSS enc/dec standard, with pocket beep and tone scan • 8 programmable keys • 5 DTMF memories, with 32-digit codes and redial • 10 weather channels • Direct keypad frequency entry • Back-lit LCD • Auto repeater and "intuitive" help functions (display directs user what to do next) • 2-step power save • Monitor and lock functions • One-piece, die-cast aluminum chassis and polycarbonate casing • Meets MIL SPEC C/DE for shock and vibration • Includes battery holder • Alkalines required • 2.3" w x 5.5" h x 1.3" d, 14.8 oz



**Available Accessories**

AD81 Adapter for BC11911, BC110A Wall charger, BC119N01 Desk charger, BC122A AC adapter for BC133, BC133 Drop-in trickle charger, BP194 "AA" alkaline battery case, BP195 700mAh 9.6V battery, BP196 1050mAh 9.6V battery, CP12L Right angle cigarette cable with filter, CP17L Right angle cigarette cable for charger, CST2 DOS programming software, CSWHH4 Windows software with cable, HM128 Earphone + mic, HM131 Speaker/mic/earphone jack/clip, HM46 Slim-line speaker mic, HM54 Heavy-duty speaker mic, HM75A Remote control mic, HS51 Headset/VOX, HS94 Earpiece headset/use with VS1L, LCF3SWIVEL Leather case with swivel, LC145 Carrying case, MB68 Extra standard belt clip, MB74 Spring loaded belt clip, MB87 Swivel belt clip, OPC254L Right angle mini DC cable, OPC474 Radio-to-radio clone cable, OPC478 PC cable, SP13 Earphone, VS1 VOX-PTT unit for HS94

With the IC-T2H SPORT and a PC you can download up to 40, stored, pre-programmed frequencies, such as in a repeater directory, from your PC directly into the SPORT. PC-to-SPORT and SPORT-to-SPORT cloning requires optional software and cables.

**Look For This**  
**NEW**  
**& Check Out AES' Latest Additions.**

You can do more with Alinco Xtreme Value and Performance.

# Xtreme Xcitement!



## DJ-V5TH, 2m/440 HT\*

Great 2m/440 TX & RX, xtended RX range from 76 ~ 999 MHz, wide band FM, alpha display, 200 memories, CTCSS & DCS encode+decode, 5 watts output, compact size, 4 scan modes, split-band ops, auto-dialer, 13.8 VDC direct input. **Xcellent performer!**



## DJ-196T (2m), DJ-296T (222 MHz), DJ-496T (440 MHz) HT

Backlit keys, alpha display, 40 memories, CTCSS and DCS encode+decode, autodial, 13.8 VDC input, and more! High-power battery is standard. **Xtra handy!**



## DJ-S40TD 440 MHz HT

Pocket HT features 500 mw output on AA cells, up to 1 watt using an optional NiMH battery. 100 memories, CTCSS encode+decode, SMA antenna, great audio, theft alarm and more! **Xtremely small but packs a punch.**



## DJ-C5T 2m+440 "Credit Card" FM HT

**Awesome "credit card" size**, internal speaker, 50 memories, CTCSS encode+decode, AM airband RX, 300 mw output, soft case, 600 mAh lithium ion battery, includes rapid charger! **This tiny performer Xcells.**



## DR-605TQ 2m+440 FM Mobile/Base

**Xtra value!** 50 watts VHF/35 watts UHF, 51 memories/band, crossband repeat, 430 ~ 449.995 range allows for satellite comms, dual watch. **Check the LOW price!**



## DR-135T/TP MKII (2m), DR-435T MKII (440 MHz), DR-235T (222 MHz) Mobile/Base

DR-135 includes AM Airband RX. All models have 100 memories, ignition key on/off, theft alarm, large 7 character alpha display, optional internal TNC can be used for packet or APRS™, 9600 packet mode, front data/GPS input, rear DSUB9 connector, H/M/L power out, autodialer, CTCSS and DCS encode+decode, backlit mic, **Xtra rugged!** Accepts optional digital voice communications board.



## DJ-596T DJ-596T MKII 2m+440 HT

100 memories, alpha channel labels, NiMH battery, CTCSS and DCS encode+decode, WFM+NFM, theft alarm, 6 ~ 16 VDC input, illuminated keys and display, autodialer, full coverage of both bands, Xpanded receive; optional digital voice communications board and more! **Xtend your abilities!**



## DR-620T 2m+440 Mobile/Base

**Xceptional features!** Removable head, speaker faces up or down, changeable color alpha display, 200 memories, H/M/L output, V/U, V/V, U/U, WFM and AM Air Xtended RX, TCXO, theft alarm. **options include TNC or digital voice module, remote mount kit.**



## DR-MO6TH 6m/20 watts FM Mobile/Base

**"Magic band" Xcitement** with local and DX FM contacts, simplex or through repeaters. **Includes CTCSS encode and 100 memories.**



## DX-70TH (100w) HF+6m Mobile/Base/Portable

160 ~ 6m Amateur band TX in all modes, Xtra coverage RX from 150 KHz ~ 30 MHz and 50 ~ 54 MHz. Removable face, 100 memories, 2 VFOs, speech compressor, SSB, CW and AM narrow filters, fullbreak-in, multi-function control and MUCH more!

**Optional Xcessories include EDX-2 wire antenna tuner & DM-330MVT power supply.**



## DX-77T HF Base/Portable

**Xcellence at a great price!** 160 ~ 10 meter Amateur band TX all modes; 500 KHz ~ 30 MHz general coverage RX. Clean, clear audio, low noise floor from DDS, 100 memories, easy to operate. **Speech compressor, CTCSS encode for 10m FM operation, CW filter.**



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Transceivers intended for use by properly licensed operators. Permit required for MARS/CAP use. Specifications subject to change without notice or obligation. Performance specifications only apply to amateur bands. APRS is a registered trademark of Bob Bruninga, WB4APR. \*Cellular blocked in USA. Unblocked versions available to qualified users, documentation required.



**IC-T22A** 2M Handheld 3W output @ 13.5 V • 4.0 - 16 VDC input • 136-174MHz rx • Auto low power/power saver (15mA drain) • Remote control microphone (optional HM-75A) • 80 memory channels (40 with alpha display) • VHF/UHF air band receive • Auto repeater function • Backlit display • Die cast aluminum frame and heat sink • 7.2V battery included • Optional tone scan • 2.3" w x 4.3" h x 1.1" d, 10.9 oz



**Available Accessories**

AD56 Battery pack adapter/rapid charger, BC119N11 NiCad/NiMH desk charger, BP170 Battery case, BP172 950mAh 4.8V battery, BP173 600mAh 9.6V battery, BP180 600mAh 7.2V battery, CP12 Cigarette cable with filter, CP12L Right angle cigarette cable with filter, HM128 Earphone + mic, HM131 Speaker/mic/earphone jack/clip, HM46 Slim-line speaker mic, HM46L Slim-line speaker mic with right angle plug, HM54 Heavy-duty speaker mic, HM75A Remote control mic, HS10 Boom mic/headset, HS10SA VOX unit, HS10SB PTT switchbox, HS85 Headset with VOX, HS94 Earpiece headset, LC125 Case for T22A with BP170/71/72, MB30 Mobile or wall bracket, NCP1 Nylon chest pack, OPC254 Mini DC power cable, OPC254L Right angle mini DC power cable, SP13 Earphone, VS1 VOX-PTT unit for HS94

**IC-V8** 2M FM HT ICOM's first amateur 2m handheld radio with CTCSS/DTCS enc/decode with tone scan. You will not find a 2M HT that is easier to use. • Retro design • 144-148MHz • Full 5.5W output (standard battery) • Acoustical design for the best audio • 100 alphanumeric memories with easy recall • Scans 40 channels/second • Zoom through personalized scan ranges • Customize operation using up/down and rotary controls • Designed for any size hand with full-sized keypad for larger fingers • Drop-in trickle charger included, which operates from 12VDC either in home or car; charge battery in radio or alone • Use a PC to set-up operating parameters • Durable green polycarbonate front panel and aluminum diecast chassis built to military specs • 2.125" w x 5.188" h x 1.375" d, 12.3 oz

**Available Accessories**

AD101 Battery adapter for BP211 and BC119N01, AD9411 Adapter cup for BC119N01, BC119N01 Desk charger, BC14401 Desk charger with adapter, BP208 Battery case, BP209 7.2V 1100mAh 5.5W battery, BP210 7.2V 1650mAh 5.5W battery, BP211 7.4V 1600mAh Lith ion battery, BP222 7.2V 600mAh 5.5W battery, CP17L Right angle cigarette cable for charger, CSV8 Cloning software, HM128L Right angle plug for earphone or mic, HM131L Right angle plug for speaker/mic/earjack/clip, HM46L Slim-line speaker mic with right angle plug, HM54 Heavy-duty speaker mic, HM75A Remote control mic, HS51 Headset/VOX, HS94 Earpiece headset, LCF3GSWIVEL Leather case with swivel, MB68 Extra standard belt clip, MB74 Spring loaded belt clip, MB87 Swivel belt clip, OPC474 Radio-to-radio clone cable, OPC478 PC cable, OPC478U PC USB cable, OPC515L Right angle DC cable for charger, SP13 Earphone, UT108 DTMF decode unit, VS1L Right angle VOX-PTT unit for HS94



**IC-T7H** 2M/440MHz Dual Band HT 5W with standard battery (9.6V/650mAh) • Up to 6W @ 13.5V DC (optional DC power cable required) • TX 144-148 MHz, 440-450MHz; RX 118-174 MHz, 400-470MHz • 250mW+ audio output • One-touch band switching • Priority watch • 70 memories (9 DTMF, for auto dialing) • CTCSS tone encode/decode • 50 independently programmable tone frequencies • Auto power save and repeater function • Auto OFF • Thumb-touch lock settings • Internal guide • Backlit LCD • Wall charger • Programmable • 2.3" w x 4.8" h x 1.1" d, 14.3 oz

**Available Accessories**

AD56 Battery pack adapter/rapid charger, BC119N11 NiCad/NiMH desk charger, BP170 Battery case, BP172 950mAh 4.8V battery, BP173 600mAh 9.6V battery, BP180 600mAh 7.2V battery, CP12 Cigarette cable with filter, CP12L Right angle cigarette cable with filter, CST7 DOS programming software, CSWHH4 Windows software with cable, FA1443B 2M/440 duck, HM128 Earphone + mic, HM131 Speaker/mic/earphone jack/clip, HM46 Slim-line speaker mic, HM54 Heavy-duty speaker mic, HM75A Remote control mic, HS10 Boom mic/headset, HS10SA VOX unit, HS10SB PTT switchbox, HS85 Headset with VOX, HS94 Earpiece headset, LC136 Case for T7H with BP170/171/172, LC137 Case for T7H with BP173/180, MB30 Mobile or wall bracket, NCP1 Nylon chest pack, OPC254 Mini DC power cable, OPC254L Right angle mini DC power cable, OPC478 PC cable, SP13 Earphone, VS1 VOX-PTT unit for HS94



**IC-W32A** 2M/440MHz Dual Band HT 5W output @ 13.5V DC • 144-148, 440-450 transmit; 118-174, 400-470 receive • 200 memories • 8-character alphanumeric memory identification • Keypad entry • Backlit display and keypad • HT-to-HT cloning capability or PC programming capability (optional accessories required) • Independent tuning and volume band controls • VHF/UHF ex-change function allows assignment of VHF/UHF band controls to either knob • Meets MILSPEC C/D/E for shock and vibration • 2.25" w x 5.5" h x 1.4" d, 16 oz

**Available Accessories**

AD51 Battery pack adapter/rapid charger, BC119N11 NiCad/NiMH desk charger, BP170 Battery case, BP172 950mAh 4.8V battery, BP173 600mAh 9.6V battery, BP180 600mAh 7.2V battery, CP12 Cigarette cable with filter, CP12L Right angle cigarette cable with filter, CSWHH4 Windows software with cable, CSW32 DOS programming software, FA1443B 2M/440 duck, HM128 Earphone + mic, HM131 Speaker/mic/earphone jack/clip, HM46 Slim-line speaker mic, HM54 Heavy-duty speaker mic, HM75A Remote control mic, HS10 Boom mic/headset, HS10SA VOX unit, HS10SB PTT switchbox, HS85 Headset with VOX, HS94 Earpiece headset, LC128 Carrying case, MB30 Mobile or wall brkt, NCP1 Nylon chest pack, OPC254 Mini DC power cable, OPC254L Right angle mini DC power cable, OPC474 Radio-to-radio clone cable, OPC478 PC cable, SP13 Earphone, VS1 VOX-PTT unit for HS94



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**MULTI BAND HANDHELDS**

**IC-T90A** 6M/2M/70cm FM Handheld Palm-sized, simple to operate, and designed with a die-cast aluminum chassis. New MOSFET technology, along with a 7.4V Lithium-ion battery, produces a full 5W. Wideband receive covers 495 kHz to 999.990MHz (cellular blocked), AM, FM or WFM modes. Unique WX Alert feature constantly checks local active weather station for alert tone. If alert occurs, the HT automatically switches to the WX channel and beeps. Scanning management with 555 alphanumeric memories (500 regular, 50 scan edges, and 5 call channels). Dynamic Memory Scan allows choosing any of 450 memories to scan, and, with its soft partitioning, setting up a maximum of 18 banks or 100 channels/bank. Pre-programmed with TV station frequencies! Over-sized buttons for easy operation. Optional PC software for memory, alphanumeric, scan list and parameter customizing. • 2.28" w x 3.44" h x 1.16" d, 8.47 oz



**Available Accessories**

AD925MA SMA - BNC adapter, BC139 Desk rapid charger, BP216 Battery case, BP217 7.4V 1300mAh lith-ion, CP19R Cigarette cable with filter, CST90A Windows cloning software, HM128 Earphone + mic, HM131 Speaker/mic/earphone jack/clip, HM46 Slim-line speaker mic, HM75A Remote control mic, HS85 Headset with VOX, HS94 Earpiece headset, LC152A Carry case, MB83 Swivel belt clip, OPC474 Radio-to-radio clone cable, OPC478 PC cable, OPC478U PC USB cable, SP13 Earphone, VS1 VOX-PTT unit for HS94

**KENWOOD**

**SINGLE BAND HANDHELD**

**TH-22ATH** 2M FM Handheld This is a super-compact and lightweight transceiver with impressive performance. EZ to use menu system. Palm-sized, sharply styled, easily slips into pocket. • 5W output from MOS FET power module and standard PB-34 NiCad battery • 136-174 receive • RF output control (Hi/Low/EL) • 144-148 MHz coverage • 40 memory channels stored in E<sup>2</sup>PROM (plus 1 call channel) • Auto repeater offset • Multi scan functions (VFO, call and memory) • Dual scan stop modes (CO and TO) • CTCSS encode • DTSS and page • Luminescent keypad and LCD with backlighting • Built-in DTMF keyboard • 5 DTMF memories • Tone alert • Selectable squelch configuration • Busy channel lock out • Battery voltage indicator • Drop-in desktop charger • 2.1" w x 6.1" h x 1.12" d, 11 oz ..... **Closeout**



**Available Accessories**

BT9 Four "AA" battery holder, EMC3 Label clip mic/earphone PC, HMC3 VOX/boom mic headset, KSC14 2 pack rapid charger, KSC8A Drop-in charger, PB33 1200mAh 6V battery, PB34 600mAh 9.6V 5W battery, PB37 DC cable, PG3J Cigarette cord with filter, SMC32 Mini right angle speaker mic, SMC33 Speaker mic with remote control, SMC34 Speaker mic with volume function keys, TSU8 CTCSS decoder, WR2 Water resistant bag

# KENWOOD

**TH-K2AT** 2M FM HT • 5W RF output • 100 memories with 6-character names • Large LCD panel and backlit keys • Internal VOX • Weather alert/RX (US only) • Automatic simplex checker • Auto repeater offset • Multiple scanning functions • Priority scan • Built-in 42-tone CTCSS and 104-code DCS • DTMF encode • Automatic simplex check • Memory channel transfer • Time-out timer • Auto power off • Meets MIL-STD-810 standards for resistance to rain, vibration, shock and humidity • PC programming capability • 4" high-gain antenna • Charges 3X faster than previous models with high-capacity NiMH



#### Available Accessories

**BT14** Six "AA" battery holder, **EMC3** Lapel clip mic/earphone PC, **HMC3** VOX/boom mic headset, **KHS21** Boom mic headset, **KSC24** Rapid charger, **PB43N** 1100mAh 7.2V NiMH battery, **PG2W** DC cable, **PG3J** Cigarette cord with filter, **PG4Y** Programming cable, **SC54** Soft case, **SMC32** Mini right angle speaker mic, **SMC33** Speaker mic with remote control, **SMC34** Speaker mic with volume function keys, **WR2** Water resistant bag

## DUAL BAND HANDHELDS

**TH-D7A(G)** 2M/440MHz Dual Band Data Communicator Equipped with a built-in TNC for simple packet operation or with a GPS as a full function APRS™. Reports position, speed and heading as well as calculation of distance to destination. Also use for APRS™ messaging – send up to 45 characters without a PC. Advanced functions possible with the VC-H1

- 5.5W @ 13.6V DC • 2M: 144–148MHz tx, 118–174MHz rx
- 440MHz: 430–450MHz tx, 400–480MHz rx • 1200/9600 baud TNC • Station list stores data in up to 40 memory channels • Grid square locator display • Dual receive on same band for voice and data (VHF only) • 200 memories • PC programmable for frequency and name (PG-4W required) • 16 backlit keys • CTCSS encode/decode • MIL-SPEC 810C/D/E water resistant • 10 channel DTMF phone and auto patch memories • TM-V7A and TM-742D DTMF remote • Altitude • Time • 3-position memory • 3-memory text • Position ambiguity • Audible emergency signal • Auto message response • Data band settings • 1750MHz packet burst • 4.75" h x 2.25" w x 1.5" d, 12 oz

#### Available Accessories

**BC19** Rapid charger, **BT11** Four "AA" battery holder, **EMC3** Lapel clip mic/earphone PC, **HMC3** VOX/boom mic headset, **J29063113** Belt clip, **PB39** 600mAh 9.6V 5W battery, **PG2W** DC cable, **PG3J** Cigarette cord with filter, **PG4V** VCH1 connector cable, **PG4W** PC software and cable, **SC47B** Black soft case, **SC47OR** Orange soft case, **SMC32** Mini right angle speaker mic, **SMC33** Speaker mic with remote control, **SMC34** Speaker mic with volume function keys, **WR2** Water resistant bag

**TH-G71A** Dual Band FM HT Its ergonomic design, illuminated and back lit display all combine to make operation a breeze. The EZ to use menu system gives full control over all operating settings. • 6W (VHF), 5.5W (UHF) @ 13.8V DC • 2M: 144–148 tx/rx and 118–174MHz extended receive including Aircraft, 440MHz: 430–450MHz tx and 400–470 MHz rx • 200 multi-function memory channels • Memory name function • Multiple scan modes • CTCSS tone scan • DTMF memory (10 channels) • DTMF remote control • Function key lock • Auto battery saver circuit • Auto power-off • Time-out timer • PC ready • High performance antenna • TM-V7A remote control • MIL-STD 810E approved • 2.3" w x 4.4" h x 1.3" d, 11.6 oz

#### Available Accessories

**BC19** Rapid charger, **BT11** Four "AA" battery holder, **EMC3** Lapel clip mic/earphone PC, **HMC3** VOX/boom mic headset, **J29063113** Belt clip, **PB39** 600mAh 9.6V 5W battery, **PG2W** DC cable, **PG3J** Cigarette cord with filter, **PG4P** PC control cable, **SC45** Soft case for G71A with PB38/39, **SMC32** Mini right angle speaker mic, **SMC33** Speaker mic with remote control, **SMC34** Speaker mic with volume function keys, **WR2** Water resistant bag



# YAESU

## SINGLE BAND HTS

**VX-150** 2M Ultra-Rugged FM HT Designed to perform under the most difficult conditions. Packed with leading edge features. Die-cast aluminum case • High output speaker • Illuminated keypad and OmniGlow™ • 5W with standard battery • Three power output levels • 144–148 MHz tx, 140–174MHz rx • 209 memories • Smart-Search™ auto memory loading • Keypad with 16 multi-function keys • Two user-definable function keys • Priority monitoring • Dual watch • Alphanumeric recall • Memory bank and preferential memory scanning • VFO search • Auto repeater shift • ARTS™ • Wide and narrow deviation selection • 1750Hz tone calling • Programmable menu • Battery saver and auto power off • MIL-STD 810D/E rating • 4.2" h x 2.3" w x 1.1" d, 11.5 oz



#### Available Accessories

**ADMS1F** Programming software, **CN3** BNC-SMA adapter, **CT27** Cloning cable, **CT44** 2-pin speaker mic adapter, **CT53** Packet cable, **EDCSB** DC adapter/filter, **EDC6** DC adapter; plug/wire only, **FBA25** 6 "AA" cell battery case, **FNBV57** 7.2V 1100mAh battery, **FNB64** 7.2V 700mAh battery, **LCC150/TT** Leather case, **LCC150S/TT** Leather case/swivel, **MH34B4B** Speaker mic, **MH37A4B** Earpiece and mic, **NC72B** Extra wall charger, **VAC400B** One-hour rapid charger, **VC25** VOX headset

# Used & Demo

Equipment lists Updated regularly on the web. Check them out and order On-line



## TRIBAND HANDHELD

**TH-F6A** FM Triband HT Covers 144/220 and 440MHz plus 0.1-1300 cell blocked (including Aircraft receive).

- Dual channel receive capability • FM/FM-W/FM-N/AM plus SSB/CW receive • Ferrite bar antenna for receiving AM
- Weather channel RX mode • 435 memories (8 groups of 50 channels) • 3 call channels plus 20 for programmable scan
- Multiple scan functions • 7.4V 1550mAh lithium-ion battery for 5W and extended operation • 16-key backlit pad



plus multi-scroll key • Built-in charging circuitry – battery recharges while unit operates from a DC supply • Built-in CTCSS enc/decode/DCS • Large 8-character alphanumeric display • Wire-less remote control • Battery indicator • Internal VOX • MCP programming software via web (using PG-4P) • Meets MIL-STD 810 C/D/E for resistance to vibration, shock and light rain • 3.438" h x 2.313" w x 1.188" d, 8.8 oz (with battery)

#### Available Accessories

**BT13** AA battery case, **EMC3** Lapel clip mic/earphone PC, **HMC3** VOX/boom mic headset, **KHS21** Boom mic headset, **PB42L** 1550mAh 7.4V lith-ion battery, **PG2W** DC cable, **PG3J** Cigarette cord with filter, **PG4P** PC control cable, **SC51** Softcase with swivel belt clip, **SMC32** Mini right angle speaker mic, **SMC33** Speaker mic with remote control, **SMC34** Speaker mic with volume function keys, **WR2** Water resistant bag

## DUAL BAND HANDHELDS

**FT-50RD/41B** Ultra Compact Dual Band VHF/UHF HT High performance, heavy-duty, rugged, state-of-the-art and small enough to put in a pocket. Simple to operate, with all the features you want.

- Power output 5/2.8/ 1/0.1W
- Transmit: 144–148MHz and 430–450MHz • RX: 76–200, 300–540, 590–999MHz (cell blocked), includes AM aircraft receive, FM narrow and wide
- 3 selectable filters • Digital Code Squelch • CTCSS en/decode • 112 memories plus 2 home channels • High speed scanning • 48-character alphanumeric display • ARTS™ • Dual watch • Digital voice recorder • Windows™ PC programmable • Rear mount battery • MIL-STD 810D/E rating • 3.9" h x 2.25" w x 1.2" d, 11.5 oz.



#### Available Accessories

**ADMS1E** Software, **CA14** Two charging sleeves, **CA15** Charging stand for NC60B, **CLIP10** Spring loaded belt clip, **CN3** BNC-SMA adapter, **CSCV10** Cordura case, **CSC68** Case for unit with FNB41/FBA15, **CT27** Cloning cable/CT27A, **CT53** Packet cable, **EDCSB** DC adapter/filter, **EDC6** DC adapter; plug/wire only, **FBA15** 4 AA battery holder, **FBA21** 6 AA battery holder, **FEP10** Earphone, **FNBV47** 7.2V 1100mAh battery with belt clip, **FNB41** 9.6V 600mAh 5W battery, **LCC10C** Leather case with clip for unit with FNB41/V47, **LCC10S** Leather case with sleeve for unit with FNB41/V47, **MH34B4B** Speaker mic, **MH37A4B** Earpiece and mic, **NC50** One-hour dual slot charger, **NC60B** Wall charger, **PA17** Battery cable extender, **VC25** VOX headset



**VX-1R** Ultra Compact Dual Band HT Provides superb local communications at power levels of 1W or 500mW. Impressive memory and scanning capabilities in addition to wideband receive which includes VHF and UHF TV audio. AM broadcast, FM broadcast, AM aircraft band, and public safety channels.

- Receive ranges: 0.5–1.7MHz (BC Band) 76–108MHz (FM)
- 108–137 (AIR) 137–170 (VHF HAM) • 170–222MHz (VHF TV) • 222–450MHz
- 470–800MHz (UHF TV)
- 800–999MHz • Cell blocked
- Transmit ranges: 144–148 MHz • 430–450MHz • 500

mW with standard 3.6V lithium-ion battery (1W at 6V DC) • 291 memory channels • SmartSearch™ • CTCSS enc/decode, digital coded squelch • Backlit keypad • ARTS™ • One-touch emergency system • PC programmable • 6-digit alphanumeric memory labels • 3.2" h x 1.9" w x 1" d, 4 oz **C/O**

**Available Accessories**

ADMS1E Windows software, CN3 BNC-SMA adapter, CSC71 Soft case, CT44 2-pin speaker mic adapter, CT53 Packet cable, EDC15 DC adapter, FBA20 Battery holder, FEP10 Earphone, FNB52LI 3.6V 700mAh lithium-ion battery, MH34B4B Speaker mic, MH37A4B Earpiece and microphone, NC66B Two-hour charger, VC25 VOX headset

**FREE ITEMS included with some radios.**  
**See Price Guide for details.**



**VX-2R** Ultra-compact 144/430MHz Dualband FM Handheld Transceiver Slightly smaller in total size than the 1R, the 2R is housed in a rugged, aluminum, die-cast case. Powered by a slim-line 1 amp-hour Li-ion battery pack, yielding 1.5W output on 2M, and 1W on 70cm. With external DC power applied (optional), power increases to 3/2W (2M/70cm). The 2R includes wide receiver coverage from 500kHz to 999MHz (cellular

blocked) on AM and FM modes. Over 1300 memories, special banks for shortwave broadcast, marine band, and NOAA weather ("Severe Weather Alert" included), CTCSS/DCS with "split tone" capability, a WIRES™ internet key and DTMF auto-dialer. Outstanding audio. • Dual-channel "priority" operation • VOX (optional) • RF squelch • Channel counter searches for frequency of strong nearby station • Automatic Repeater Shift • ARTS™ • Busy channel lock-out • DC voltage meter • Wide/narrow deviation setting • Cloning, for quick transfer of programming data • 1750Hz tone (European repeater) • 1.89" w x 3.19" h x 0.91" d, 4.7 oz

**Available Accessories**

CN3 BNC-SMA adapter, CSC90 Soft case, CT27 Cloning cable, CT44 2-pin speaker mic adapter, EDC21 DC adapter, FNB82LI 3.7V 1000mAh lithium-ion battery, MH34B4B Speaker mic, MH37A4B Earpiece and microphone, VC25 VOX headset

**TRIBAND HANDHELDS**



**VX-5R** Tri-Band HT A miniature FM transceiver with extensive frequency coverage of 2M, 6M, 440MHz (including AM and FM broadcast), HF shortwave up to 16MHz and VHF AM aircraft. Super thin profile and durable lightweight design. • 5W (4.5W 430MHz) with standard lithium-ion battery

- 50–54, 144–148 and 430–450MHz tx, .5–15.995, 48– 728.990 and 800–998.990MHz wideband rx (cell blocked) • 220 memories plus home channels • 10 auto-scan weather channels • CTCSS enc/decode, DCS • Backlit keypad • ARTS™ • 8-character, alphanumerics • Time-out timer • Dual watch • Dot matrix LCD
- Smart search spectrum analyzer • Temperature display read-out • Barometric pressure sensor option • Automatic power-off • Windows PC programmable • 16-digit 9-memory DTMF autodialer • Busy channel lock out • Multi-section antenna • Aluminum diecast case • MIL-STD 810 rating • 3.4" h x 2.3" w x 1.1" d, 8.9 oz

**VX-5RS** Same radio as the VX-5R above with a silver case

**Available Accessories**

ADMS1E Windows software, CD15A Charger stand for NC72B, CN3 BNC-SMA adapter, CSC73 Soft case, CT27 Cloning cable, CT44 2-pin speaker mic adapter, CT53 Packet cable, EDC5B DC adapter/filter, EDC6 DC adapter/plug/wire only, FBA23 2 "AA" cell battery case, FNB58LI 7.2V 1100mAh lithium-ion battery, FNB80LI 7.4V 1300mAh lithium-ion, MH34B4B Speaker mic, MH37A4B Earpiece and mic, NC72B Extra wall charger, SU1 Altitude/barometric pressure sensor, VC25 VOX headset



**VX-7R** Ultra-Rugged, Submersible Magnesium FM Triband HT With a full 5W output on 50, 144 and 430MHz FM, the 5R also offers bonus coverage on 222MHz FM band at 300mW. The rugged design allows the unit to be submersible at 3' for 1/2 an hour and it sports rubber bumpers, all for JIS-7 specification protection.

- 500kHz to 999MHz continuous receive (cellular blocked)
- Four simultaneous dual receive modes • Over 900 memories including 40 memory scan band limit, 10 home channels and 10 weather • Built-in CTCSS/DCS enc/decode • "Split Tone" capability • Auto-Range Transponding System • Easy-to-read display with graphical and pictorial tools – user-changeable icons and fonts • Full-color strobe LED • Spectrum scope display • 24-hour clock • On/Off timers • Internet key for instant access to WIRES™ internet-linking • "Quick-Draw" swivel-mount belt clip • 7.4V 130mAh lithium-ion battery • Choose black or silver • 2.4" w x 3.5" h x 1.1" d, 9.2 oz

**VX-7RB** Same radio as the above VX-7R with a black case

**Available Accessories**

ADMS1G Programming software, CD15A Rapid charger for NC72B, CMP460A Waterproof speaker/mic, CN3 BNC-SMA adapter, CSC88 Soft case, CT191 Microphone adapter, EDC5B DC adapter/filter, EDC6 DC adapter/plug/wire only, FBA23 2 "AA" cell battery case, FNB80LI 7.4V 1300mAh lithium-ion, MH57A4B Speaker/mic, NC72B Wall charger, SU1 Altitude/barometric pressure sensor, VC27 Earpiece/mic



**HF RADIOS**

**DX-70TH** Compact HF Covers 160-6M • 150kHz-30MHz and 50-54MHz receive • SSB, CW, AM, FM • 100W (AM 40W) • Detachable face • 100 multi-function memories • Two VFOs • Easy split operation mode • Multi-function control • Narrow filter • Noise blanker • Speech processor • CTCSS for 10M and 6M repeaters • Full, semi or auto break-in CW • All mode squelch • General coverage receiver • Quick offset • Two scan modes • Separate antenna terminals for HF and 6M • RIT • TXIT • Selectable AGC • RF gain control • Dial lock • Automatic antenna tuner interface • MARS/CAP capability • 2.25" h x 7" w x 9" d, 8.3 lbs

**Available Accessories**

DM330MVT 30 amp switching power supply with meter, EBC8 Front control head bracket, EBC9 Extra mobile bracket, EDS4 5' remote mount accessory cable kit, EDS5 5' mic extension cable, EDS6 15' remote cable, EDX2 160-10M auto wire tuner, EMS14 Desk mic, PC25 DC cable



**DX-77T** 160-10M • 500kHz-30MHz general rx • SSB/CW/AM/FM • 100W (AM 40W) • 100 multi-function memories • Two VFOs • PC control via optional cable and software • Direct digital synthesis • Easy split operation mode • Multi-function control • CW narrow filters • Noise blanker • 6–50 WPM electric keyer • Full, semi or auto break-in CW • All mode squelch • Quick offset • Two scan modes • RIT • High/low power setting control • Selectable AGC • RF gain control (RX) • Dial lock • Auto antenna tuner interface • Industry standard power input plug • MARS/ CAP capability • Requires 13.8V DC @ 20A • 3.6" h x 9.5" w x 9" d, 8.3 lbs

**Available Accessories**

DM330MVT 30 amp switching power supply with meter, EDS5 5' mic extension cable, EDX2 160-10M auto wire tuner, EMS14 Desk top microphone, PC25 DC cable

**Look For This**

**NEW**

**& Check Out AES' Latest Additions.**

**IC-2200H**  
2M Digital Mobile



## *A digital wolf in sheep's clothing.*

Icom's new IC-2200H. Not your ordinary 2M mobile. This powerhouse growls with the best in rugged, traditional 2M operation combined with optional low-band digital for voice and data communication. Similar in appearance to the '2100H, this alpha wolf shares the same basic panel layout as its domesticated kin, but has a newly designed MOS-FET power amplifier to generate a stable, heart-stopping 65W of output power, selectable in four steps – 65/25/10/5W. Add the optional UT-115 digital unit and get digital voice and data, callsign memory, and position exchange – when connected to an external GPS receiver. Want more? Experts confirm the best place to start hunting would be at your authorized Icom dealer. Run!

**65W Output Power** • Get your signal out! A newly designed MOS-FET power amplifier provides a stable, dependable 65W – selectable in four steps, 65/25/10/5W.

**Wideband VHF Receive with Weather Alert** • 118-174MHz. Enough coverage for your public safety needs! Weather alert to keep you on top of any weather emergencies.

**Digital Operation (optional)** • With the optional UT-115, get crystal clear digital audio & data, callsign memory with up to 20 character message, and position exchange (when connected to an external GPS receiver), allowing you to exchange position information.

**Simple Operation** • The '2200H retains the same basic panel layout and user interface as the '2100H. Large tuning dial provides easy access so you can keep your eyes on the road.

**Rugged Construction** • Durable, one piece aluminum diecast construction provides dependable operation – even in harsh environments!

**Enhanced APRS®** • Now you can use a single channel for voice and data! APRS® or other new software operations can now be utilized while a conversation is underway.

**207 Memory Channels** • including one call channel and six scan edges, all with six character alphanumeric channel naming

The future begins here!

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**ICOM®**





**val·ue** (vāl'yōō) n from L valuta, worthy

1. a fair return in money or another medium of exchange for something. *“My Icom dual band mobile radio was well worth the money, a great value.”*

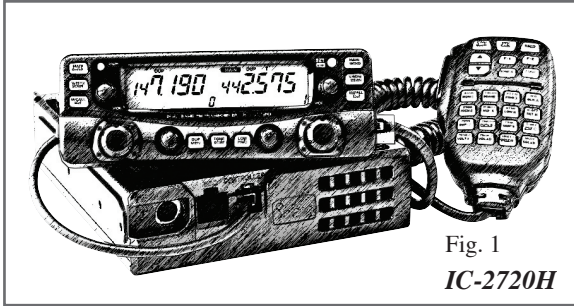


Fig. 1  
IC-2720H

2. the exact monetary worth of something. *“My Icom dual band amateur radio is a great value especially since the remote head cable comes standard; a savings of over \$50.00”.*

3. the relative worth, importance, or usefulness of something to somebody. *“My Icom dual band radio is invaluable to our local emergency communications preparedness”.*

<positive value for the money> <the value of unimpaired communications during an emergency>

4. a. a numerical quantity that is assigned or is determined by calculation or measurement <the value of x> *“If I have ten Icom dual band mobile radios, and I take away four, I am in extreme sorrow, and I am left with a value of six Icoms – which is still a hundred times better than any other radio, let me tell you!”* b. precise signification <the word value of something> *“My Icom dual band mobile radio is beyond measurable value when it comes to emergency preparedness.”*

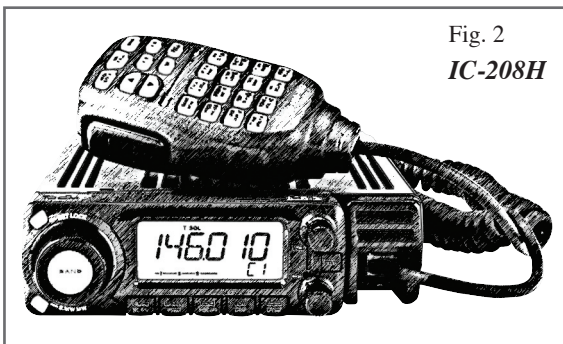


Fig. 2  
IC-208H

5. a. the real or perceived duration of time a musical note is held. *“The clarity of sound my Icom dual band mobile gives is music to my ears.”* b. the written representation of the quality of tone or a spoken sound. *“My Icom IC-208H has 2 Watts of audio output.”*

6. a. the lightness or darkness of a color: LUMINOSITY b. the relation of one part in a picture to another with respect to lightness

and darkness *“The amber value of my Icom’s LCD display is adjustable to the environmental needs, and is perfect to see day or night.”*

7. something (as a principle or quality) intrinsically valuable or desirable <sought material values instead of human values> *“I value my Icom dual band mobile radios above any other.”* value verb

Inflected Form(s):

**val·ued; val·u·ing; got to have one**

*See your favorite AES dealer.*



Icom means value!

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## DUAL BAND BASE STATION

**IC-910H** VHF/UHF All-Mode With optional 1200 MHz installed, it becomes an SSB/CW/FM tribander.

- 144-148, 430-450 and 1240-1300MHz (option)
- 99 regular memories, 1 call, 6 scan edges per band, 10 satellite • 5-100W (2m), 5-75W (440MHz) • 3.5" multi-function LCD, 10-key direct entry keypad
- Satellite mode support • Simultaneously works 2 bands in receive and full duplex • CW full support
- Versatile scan functions • Memory pad • 50 tone CTCSS encode • Speech compressor • One-touch & auto repeater • IF shift • VOX • Requires 13.8V DC @ 23A • 9.5" w x 3.6" h x 9.4" d, 10 lbs

### Available Accessories

AG1200 1.2GHz mast mount preamp, AG2400 2.4GHz mast mount down conv., AG25 2M mast mount preamp, AG35 430 mast mount preamp, CR293 High stability crystal unit, CT17 Level converter, FL132 500Hz main receiver CW filter, FL133 500Hz sub-band receiver CW filter, MB23 Carrying handle, MB5 Mobile mount, PS125 25A switching power supply, SM20 Stand mic for base stations, SP10 Slim-line external speaker, SP7 Small external speaker, UT102 Voice synthesizer, UT106 DSP unit, UX910 10W 1.2GHz module



## HF RADIOS

**IC-703** HF QRP Transceiver Versatile – for home, shack, mobile DX'ing and in the field. Covers 160-10M and, depending on power supply, capable of 5W @ 9.6VDC (10W @ 13.8VDC). Similar to the IC-706 series, but without VHF/UHF. Offers a built-in, relay-type automatic antenna tuner (50Ω antennas).

- USB/LSB/CW/RTTY/AM/ FM • 105 memories
- 10W output max., adjustable steps (5W with 9.6V batteries) • Memory keyer function • Large capacity external battery pack and antenna options
- 6.563" w x 2.28" h x 4.875" d, 4.4 lb

**IC-703 PLUS** Same as above, plus 6M

### Available Accessories

AH2B Whip with mount, AH2BWHIPONLY Extra whip only for AH2B, AH4 80-6M 120W auto wire antenna tuner, AH703 40/20/15/10/6 20W 4.6' antenna, BC155A Battery charger/BP228, BP228 9.6V 2800mAh external NiCad, CT17 Level converter, FL222 1.9kHz 455kHz IF SSB filter, FL257 3.3kHz 455kHz IF SSB filter, FL52A 500Hz 455kHz IF CW filter, FL53A 250Hz 455kHz IF CW filter, HM118TN TTP mic, LC156 Back pack carrying case, MB62 Mounting bracket for main unit, MB63 Mounting bracket for control panel, MB65 Mounting base platform, MB72 Carrying handle, OPC1229 Extra DC cord, OPC581 11.5' separation cable, OPC587 16' separation cable, OPC589 8-pin mic jack adapter cable, OPC599 7+8-pin-13-pin adapter, OPC742 13-pin cable, RMK706 Remote mtg kit, SM20 Stand mic for base station, SM6 Electret desk mic, SP10 Slim-line external speaker, SP7 Small external speaker, UT102 Voice synthesizer



**IC-706 MK II-G** Compact HF/VHF/UHF All Mode Base station performance in a mobile size. Coverage 160-10M + 6M, 2M and 70cm • 0.03-200 MHz broadband receive with wide AM and FM broadcast • 100W (40W AM) from 160-6M, 50W (40W AM) on 2M, 20W (8W AM) on 70cm • RTTY • PSK31 • Speech compressor • 107 alphanumeric memories • Detachable control panel • 2 filter slots • AF-DSP • Tone encode, scan and squelch • Cross band split • Noise blanker • IF shift • Preamp/attenuator • CW keyer • CW pitch control/reverse • Full break-in • VOX • Simple bandscope • SWR graphic sweep • One-button duplex and auto repeater • 2 antenna connectors • Requires 13.8V DC @ 20A • 6.6" w x 2.3" h x 7.9" d, 5.5 lbs

### Available Accessories

BET706TUNECONT Better RF IC706 tune control, AH2B Whip with mount, AH2BWHIPONLY Extra whip only for AH2B, AH4 80-6M 120W auto wire antenna tuner, AT180 HF+6M auto coax antenna tuner, CR282 Stability crystal, CT17 Level converter, FL100 500Hz 9MHz IF CW filter, FL101 250Hz 9MHz IF CW filter, FL103 2.8kHz 9MHz IF SSB filter, FL223 1.9kHz 9MHz IF SSB filter, FL232 350Hz 9MHz IF CW/RTTY filter, HM118TN TTP microphone, LC156 Back pack carrying case, MB62 Mounting bracket for main unit, MB63 Mounting bracket for control panel, MB65 Mounting base platform, MB72 Carrying handle, OPC025D DC cord, OPC581 11.5' separation cable, OPC587 16' separation cable, OPC589 8-pin mic jack adapter cable, OPC598 23' extension cable for AT180, OPC599 7+8-pin-13-pin adapter, OPC742 13-pin cable, PS125 25A switching power supply, RMK706 Remote mounting kit, SM20 Stand mic for base station, SM6 Electret desk mic, SP10 Slim-line external speaker, SP7 Small external speaker, UT102 Voice synthesizer



**IC-718** HF All Band Transceiver Advanced features, yet easy to use. Simplified operation, perfect for beginners or as a backup rig.

- Covers 160-10M
- Continuous receive 0.03-30MHz • 100W (40W AM) • Built-in USB, LSB, CW, RTTY (FSK) and AM
- 101 memories • Variety of scan functions • Front mounted speaker • IF shift • Mic compressor • RF gain control • Noise blanker • RF attenuator and preamp • Auto notch • Ample CW (electronic keyer) • VOX • Flexible filter selection • Digital S/R/F meter • High frequency stability • Hand mic included
- Requires 13.8VDC @ 20A • 9.4" w x 3.75" h x 9.4" d, 8.5 lb

### Available Accessories

BET706TUNECONT Better RF IC706/718 tune control, AH2B Whip with mount, AH2BWHIPONLY Extra whip only for AH2B, AH4 80-6M 120W auto wire antenna tuner, AT180 HF+6M auto coax antenna tuner, CR338 High stability crystal, CT17 Level converter, FL222 1.9kHz 455kHz IF SSB filter, FL257 3.3kHz 455kHz IF SSB filter, FL52A 500Hz 455kHz IF CW filter, FL53A 250Hz 455kHz IF CW filter, FL96 2.8kHz 455kHz IF SSB filter, MB23 Carrying handle, MB5 Mobile mount, OPC025D DC cable, OPC598 23' extension cable for AT180, PS125 25A switching power supply, SM20 Stand mic for base station, SM6 Electret desk mic, SP20 Speaker with audio filter, SP21 Speaker, SP7 Small external speaker, UT102 Voice synthesizer, UT106 DSP unit



**IC-746PRO** HF/VHF All Mode Transceiver 160-10M + 6M + 2M • Continuous receive 0.03-60MHz, 108-174MHz • 100W (40W AM) • 32-bit floating DSP and 24-bit AD/DA converter • AGC loop management • IF filter width and shape variable • All mode signal mod/demodulation • RTTY demodulator and decoder • Digital twin PBT capability • 100 memories (10 "memo pad") • PSK-31 • Auto tuner • 2 antenna connectors for HF/6M • IF-DSP noise reduction, auto notch and selectable audio peak filters • Noise blanker • Spectrum scope • Twin pass-band tuning • Triple band stacking register • 2-step preamp • RF speech compressor • Tone squelch/scan • VOX • SmarTune™ variable speed tuning • Auto repeater duplex • CW pitch control • QSO serial number generator • Transmit audio monitor • Up/down frequency mic • Requires 13.8V DC @ 20A • 11.3" w x 4.7" h x 12.5" d, 19.6 lbs

### Available Accessories

BETIMATE Better RF accessory, AH2B Whip with mount, AH2BWHIPONLY Extra whip only for AH2B, AH4 80-6M 120W auto wire antenna tuner, CR338 High stability crystal unit, CT17 Level converter, HM36 Scanning hand mic, OPC025D DC cable, PS125 25A switching pwr supply, SM20 Stand mic for base station, SM6 Electret desk mic, SP20 Spkr with audio filter, SP21 Speaker, UT102 Voice synthesizer

**FREE ITEMS included with some radios.**  
**See Price Guide for details.**

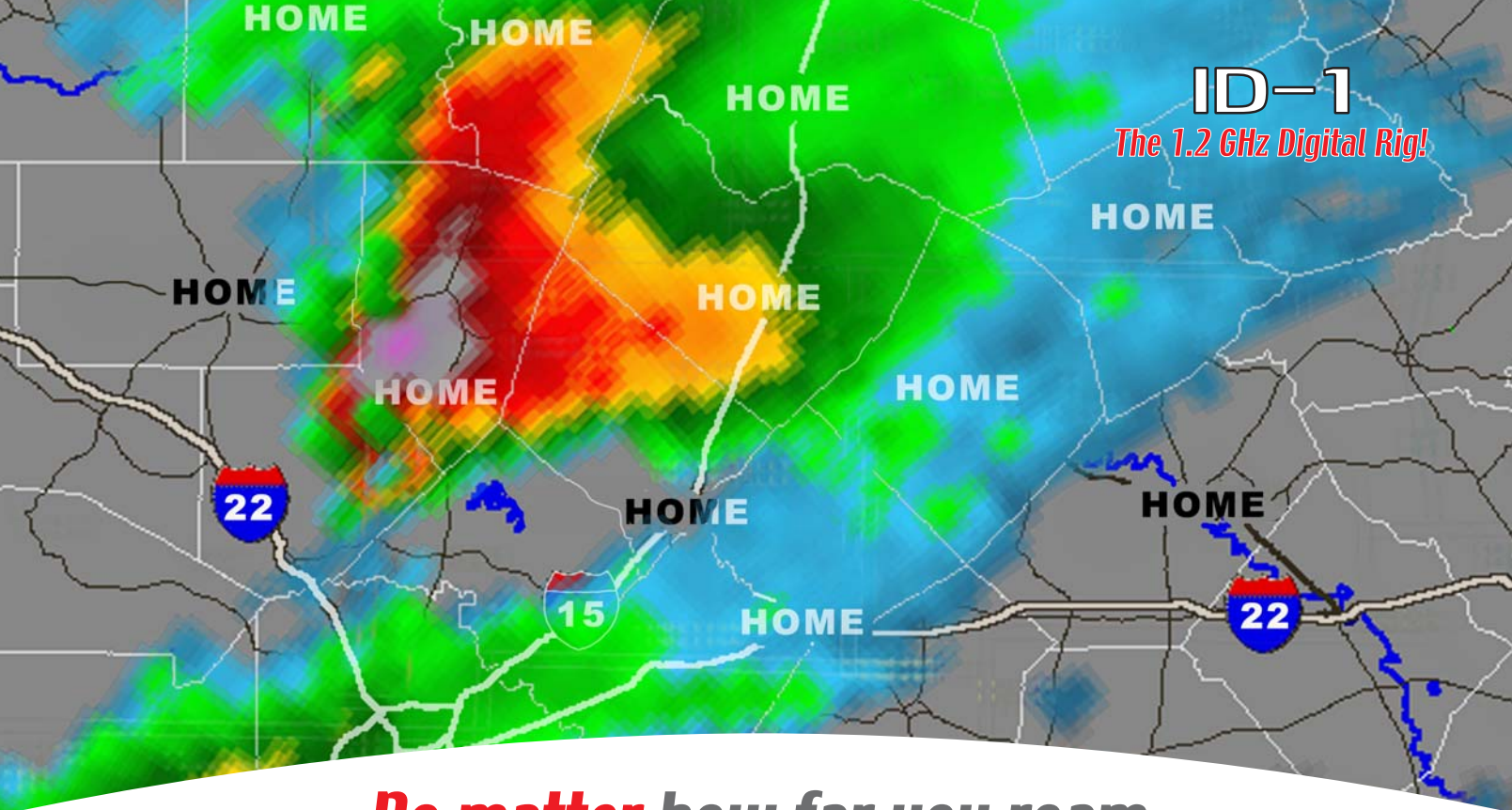


**IC-756PRO II** HF/50MHz All Mode Transceiver 32 bit floating DSP digital IF filter with 41 selectable bandwidths, microphone equalizer, manual notch function, TFT 5" color LCD (selectable colors/schemes), digital twin passband tuning, and PSK31.

- Continuous 0.03-60MHz rx • 100W (AM 75W)
- 101 memories • AGC loop management • RF speech compressor • Twin peak audio filter • DPSN
- RTTY demodulator • Digital noise reduction • CW wave form • Spectrum scope • Digital voice memories • Memory keyer and pad • Analog and digital meters • Complete CW features • Dual watch
- Triple band stacking register • Quick split function • Antenna tuner • RIT and ΔTX control for main and sub-band • Dual antenna system • VOX • 2-level preamp and 3-level attenuator • Auto TS function • Scanning functions • CTCSS tone encoder • Noise blanker level control • Lower band scope floor noise level • DVR (band scope enabled) • Independent digital and voice mode settings • Disable compression in digital modes • 1/4 tuning steps in digital modes • SSB/CW synchronous tuning • 13.3" w 4.3" h x 11.2" d, 21 lbs

### Available Accessories

BETIMATE Better RF accessory, AH2B Whip with mount, AH2BWHIPONLY Extra whip only for AH2B, AH4 80-6M 120W auto wire antenna tuner, CT17 Level converter, HM36 Scanning hand mic, OPC025D DC cable, PS125 25A switching power supply, SM20 Stand mic for base station, SM6 Electret desk mic, SP20 Speaker with audio filter, SP21 Speaker, UT102 Voice synthesizer



# ID-1

The 1.2 GHz Digital Rig!

## No matter how far you roam, you're never far from home.

Regardless of what Mother Nature throws at you, keep in touch with Icom's new ID-1. Operating on 1.2 GHz, you can send point to point communications via high speed 128K data. That's up to 4 times the speed of dial-up — and it's mobile!

Phone lines down from the storm? Access your e-mail via the ID-1. Let folks know everything is all right by attaching photos to your e-mails! You can even log on to your favorite Internet source for the latest news, or see what else Mother Nature has cooked up by logging on to the weather service Websites.

Whether chasing a storm, running a hurricane net with video, sending photos of disaster cleanup, or just checking out the DOT cameras while stuck in traffic, uses for the ID-1 are limited only by your imagination! See your authorized Icom dealer!



### Computer Control

The ID-1 is completely software controllable, and can be customized without limitation! Icom software interface control is included.

computer not included



RC-24 Control head shows all ID-1 operating information and is included.

**Analog FM** • Get on the air immediately! ID-1 can handle standard amateur repeater operation with CTCSS encode/decode with tone scan.

**Digital Clarity** • Any signal received in digital mode must match the codec in order to be heard, thereby eliminating intermod from your communications.

**Spectrum Efficiency** • (6.25kHz) Digital voice transmissions are up to 3 times more efficient than analog systems, requiring significantly less bandwidth! (15-20kHz typ)

**128K Data** • Take advantage of high speed wireless connection speeds! ID-1 extends your communications well beyond typical WLAN range, covering miles instead of blocks.

**Use Digital Voice & Send Data** • Slow down your data stream to 2.4K and you can talk while sending text messages (or GPS or packet-type or...). A ham radio first!

**Enhanced APRS** • Now you can use a single channel for voice and data! APRS or other new software operations can now be utilized while a conversation is underway.

**Written Directions** • Type directions to assist foxhunters, getting DX cluster info, and more.

**Auto Call Sign Registration** • Incoming call signs are stored automatically while in digital modes. Find out who called while you were away!

**Emergency Mode** • Emergency button drops squelch, allowing station calls to come in.

**10 Base T Ethernet Connection** • On the back of radio. Ethernet extension cable included.

**Black Box Operation** • Configure the ID-1 for virtually tamper-free operation.

The future begins here!

[www.icomamerica.com](http://www.icomamerica.com)



**ICOM**



**IC-7800 HF/50MHz Transceiver** The new Icom flagship is a fusion of 40 years of analog RF circuit development expertise, with cutting-edge digital technology. The result, astonishing 110dB dynamic range, +40dB 3rd order intercept point in HF, and other features like a double conversion superheterodyne system, mechanical relay BPF switching and two roofing filters. The ultimate in performance, function, and quality without compromise. • 1.8 to 29.7MHz amateur transmit, 0.03 to 60MHz general receive • USB, LSB, CW, RTTY, PSK-31, AM, FM, SSB DATA modes • SSB/CW synchronous tuning • 101 memories (99 regular, 2 scan edges), 10-character comment • Ultra high stability oven control crystal oscillator • Main and SUB receiver, external speaker connectors for each • Dual watch • RIT and ATX • 50MHz preamp and mixer • 5-200W (5-50 AM) • Built-in supply (85-265VAC) and high-speed HF/50MHz automatic antenna tuner • Voice synthesizer (frequency, mode and signal strength) • Four 32-bit, floating point, DSP units and 24-bit AD/DA converters • Digital RF speech compressor • Microphone equalizer (adjustable TX bandwidth) • Triple band stacking register • Multiple scan functions • Digital twin passband tuning • 16-step variable DSP noise reduction • Variable noise blanker • 7" color TFT LCD (spectrum scope S-meter, and RTTY/PSK-31 decode messages) • RTTY/PSK-31 without PC connection • Digital voice recorder (200 second RX memory, 99 second TX) • CF memory card for setting storage • Multi-function, fully adjustable, electronic memory keyer (DSP waveform shaping) • Double key jack system • Full break-in • 50 CTCSS tone enc/decode • UTC/local clock and timer function • Optical digital in/output • CI-V interface capability • BNC-type transverter connector • External CRT display connector • Four antenna connectors • Supplied accessories include 64MB CF memory card, spare fuses, key and pin plugs, rack mount handles, AC cable, speaker plugs, ACC plugs, power plug • 16.6" w x 5.9" h x 17.1" d, 55 lbs

**KENWOOD**



**HF RADIOS**

**TS-480HX HF+6M All-Mode Transceiver** Tailor-made for DXing. Transmits on amateur bands 1.8 to 50MHz, including 60M • Continuous receive from 500kHz to 60MHz • Up to 200W output on HF (requires 2 PS-53s or equivalent), 100W on 6M • AF DSP offers powerful features such as digital noise limiter, beat cancel, noise reduction, transmit/receive equalizer, AF filters, transmit passband filter, speech processor • Separate LCD control panel with speaker, positioned up to 13 feet from main unit • Twin cooling fans • Full range of CW features, auto tune • Memory name function • Multiple scan functions • Direct frequency entry • CTCSS • Wide/narrow deviation selection • 1750Hz tone • Noise blanker • Crossband repeater (with TM-D700A) • Auto power off and time-out timer • Back lit keys • Optional IF filters available • PSK31 compatibility • Packet cluster tune (with TM-D700A) • PC-based control • 7.06" w x 2.38" h x 10.19" d (main unit), 7.06" w x 2.94" h x 1.44" d (panel) • 7.05 lbs. (main), 1.1 lbs. (panel)

**TS-480SAT** 100W version of the HX. Includes built-in automatic antenna tuner

**Available Accessories**

MC435 8-pin hand mic, MC47 Multi function 8-pin hand mic, MC60A 8-pin amp desk mic, MJ88 Modular/8-pin adapter, PG20 22' DC cable, PG4Z 13' panel extension kit, PS53 Heavy-duty power supply, SO3 TCXO unit, SP23 Speaker, SP50B External mobile speaker, VGS1 Voice guide/storage unit, YF107C 500Hz CW filter, YF107CN 270Hz CW filter, YF107SN 1.8kHz SSB filter



**TS-570D(G) HF Transceiver** • Covers 160-10M • General coverage receive 500kHz-30MHz • 100W output SSB/CW and FM (AM 25W) • 100 memory channels • Multiple scan functions • Powerful menu system • Dual VFOs • Comprehensive interference reduction • Full and semi break-in • CW reverse mode • All-mode squelch • IF shift • Switchable AGC • 20dB attenuator • Noise blanker • Multi-function hand mic • 7" w x 2.3" h x 9.1" d, 6.4 lbs ..... **Closeout**

**Available Accessories**

AT50 HF external auto tuner, KPS15 23A switching power supply, MC47 8-pin hand mic, MC60A 8-pin amp desk mic, MC80 8-pin electret desk mic, PG2Y DC cable, PG2Z 6.5' heavy-duty DC cable, PG4M 18' extension cable for the AT50, PS53 Heavy-duty power supply, SO2 TCXO unit, SP23 Speaker, SP50B External mobile speaker, TC50 Travel case, YK107C 500Hz CW filter



**TS-570D(G) HF Transceiver** • Covers 160-10M • General coverage receive 500kHz-30MHz • Variable output: 5-100W SSB/CW/FM and FSK (AM 25W) • 100 memories with extensive functions • Large amber-colored backlight LCD display • 10-key direct entry • 46 EZ-to-use menu functions • Multiple scanning functions • 16-bit AF-stage DSP VOX • XIT/RIT • IF shift • Noise blanker • All mode squelch • TX audio shaping • Built-in electronic keyer • Full and semi break-in CW • CW message memory • CW auto tune • 38 tone CTCSS encoder and 1750Hz tone • TX audio shaping • Packet and FSK • PC control option • Two antenna ports and packet port • Built-in automatic antenna tuner • Requires 13.8V DC @ 20.5A • 10.6" w x 3.7" h x 10.6" d, 15 lbs

**TS-570S(G) HF+6M Transceiver** Same as the TS-570D(G), but covers 160-10M plus 6M. 50-54MHz general coverage receiver

**Available Accessories**

DRU3A Digital recording unit, KPS15 23A switching power supply, MB430 Mobile mounting bracket, MC435 8-pin hand mic, MC60A 8-pin amp desk mic, MC80 8-pin electret desk mic, MC90 2-head DSP desk mic, PG2Y 13' DC cable, PG2Z 6.5' heavy-duty DC cable, PS53 Heavy-duty power supply, SO2 TCXO unit, SP23 Speaker, SP50B External mobile speaker, VS3 Voice synthesizer, YK88CN1 270Hz CW filter, YK88C1 500Hz CW filter, YK88SN1 1.8kHz SSB filter

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# KENWOOD



**TS-870S All Mode HF Transceiver** • Covers 160–10M • General coverage receive 100kHz–30 MHz • 100W output SSB/CW/FM/FSK (25W AM) • 100 memory channels • Multiple scanning modes • Menu function • Variable AGC • IF digital filter (DSP) • DSP detection • Dual mode noise reduction • Automatic notch filter • Voice equalizer • Speech processor • Transmit equalizer VOX • QSK digital IF filter • DSP noise reduction • IF stage auto-notch beat cancel function • Variable AGC circuit • Built-in electronic keyer • CW pitch control • CW reverse • Radio control software program • Auto antenna tuner on transmit and receive • Built-in antenna tuner dual antenna terminals • External receiver antenna output jack • EZ menu system CTCSS encoder • High quality digital recording option • RS-232C port • Requires 13.8V DC @ 20.5A • 13" w x 4.75" h x 13" d, 25 lbs.

#### Available Accessories

DRU3A Digital recording unit, KPS15 23A switching power supply, MC43S 8-pin hand mic, MC60A 8-pin amp desk mic, MC80 8-pin electret desk mic, MC90 2-head DSP desk mic, PG2Y 13' DC cable, PG2Z 6.5' heavy-duty DC cable, PS52 Heavy-duty power supply, SO2 TCXO, SP31 External speaker



**TS-2000 HF/VHF/UHF All Mode Transceiver** Offers 3 platforms: traditional transceiver with full function front panel, high-tech looking "silver box" version (TS-B2000), or computer controlled with software • 100W output on HF, 6M and 2M; 50W on 70cm; 10W on 1.2GHz (optional) • High performance true IF/stage DSP on main band, AF stage DSP on sub-band • Wide band receive • Digital filtering • Dual receive • Satellite ready, with transverter frequency display • Cross band repeat • Built-in auto tuner HF through 6M • Built-in TNC • Built-in RS-232 for computer control • Built-in TCXO (.5PPM) • CTCSS/DCS enc/dec • Electronic memory keyer • Backlit front key panel • 5+1 antenna ports – 2 for HF and 6M, 1 each for 2M, 70cm, 1.2GHz and HF receive

**TS-B2000 HF/VHF/UHF All Mode Transceiver** Same as the TS-2000 with high-tech "silver box" look. Includes PC control software

**TS-2000X HF/VHF/UHF All Mode PC Controlled Transceiver** TS-2000 w/1.2GHz

#### Available Accessories

ARCP2000 PC/radio control software (included with B2000 model), DRU3A Digital recording unit, KPS15 23A switching power supply, MB430 Mobile mounting bracket, MC43S 8-pin hand mic, MC57DM Lit TTP mic, MC60A 8-pin amp desk mic, MC80 8-pin electret desk mic, MC90 2-head DSP desk mic, PG2Y 13' DC cable, PG2Z DC cable, PS53 Heavy-duty power supply, RC2000 Remote face plate mobile kit, SP23 Speaker, VS3 Voice synthesizer

# MFJ MFJ ENTERPRISES, INC.



**8708 Micro ATV Transmitter** Transmits a high quality amateur television audio and video signal on 433.97MHz (cable channel 58, 59 or 60). Plug in an antenna and a video source (video camera, camcorder, or VCR). With a TV set, or down converter, tuned to the appropriate channel, you'll have a complete low power ATV video station. Puts out 50 to 100mW signal, capable of transmitting up to 1.8 miles with a 3-element beam. By using a suitable UHF amplifier, enjoy ATV communications over an extended range with other ATV ham operators. Requires 9V battery or other source



## LOW POWER SINGLE BAND SSB TRANSCEIVERS

No microprocessor – turn on and tune in. • 20W PEP (Less on VHF models) – plus Constant Current™ syllabic speech processing for an added 4–6dB advantage to cut through noise, fading, and QRM • Handheld dynamic mic that complements speech processing • Low drain – 3A from 12V supply or battery • Low noise preamp and active double balanced mixer front end • Sharp 2.3kHz SSB crystal ladder filter reduces passband noise, fights QRM, and improves intelligibility • TVI protection (built-in 7 element lowpass filter) • Real S-meter • Reduction drive analog VFO allows scanning the band for signals quickly, then zeros in smoothly • Amplifier jack • 2.5h" x 6.5"w x 6"d

**9420X** 20M SSB (14.150–14.350MHz)

**9440X** 40M SSB (7.150–7.3MHz)

**9475X** 75M SSB (3.75–4.00MHz)

#### Available Accessories:

4110 Portable AC power supply, 4114 Rechargeable power pack, 415B CW adapter (9420X and 9440X only), 971 200W HF tuner

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## ORP SINGLE BAND CW TRANSCEIVERS

Easy operation! Sets up in seconds. • 5W CW • Great sensitivity – hot superhet receiver with super-quiet FET post amp stage in the IF filter • Excellent selectivity – tight CW bandwidth crystal ladder filter fights unwanted QRM and noise • Smooth and stable VFO (wide-spaced reduction drive VFO capacitor) • True RIT • Recovery AGC • Built-in 3" speaker • Low power drain – 50mA on receive and 1.2A peak on transmit • Semi-QSK – set adjustable hold transmit/receive switching to suit your normal sending speed or set for full QSK during contests • Compact • Four models below

**9015** 5W, 15M (21.000–21.200MHz)

**9020** 5W, 20M (14.000–14.075MHz)

**9030** 5W, 30M (10.100–10.150MHz)

**9040** 5W, 40M (7.000–7.150MHz)

#### Available Accessories:

1772 Portable 20M dipole, 1774 Portable 40M dipole, 27 Handle for CW station, 4110 portable AC power supply, 4114 Rechargeable power pack, 412 Plug-in Curtis keyer, 726 Plug-in audio filter, 971 200W portable antenna tuner/meter

# SGC



## HF SSB TRANSCEIVERS

**04-01 SG-2000 HF SSB Global Radio Telephone** With full frequency coverage for voice and data. Talk anywhere in the world on the HF Ham bands, receive and send time sensitive documents, decode UPI transmissions, get latest weather reports or listen to shortwave broadcasts. Also, great for marine use. It can be fully computer controlled via a standard RS-232 connector. The front panel can also be used as a remote head terminal (up to 8 remote heads can be utilized). • 1.8–30MHz tx, 500kHz–30MHz general rx • 150W • Modes: A3A, A3H, A3J and CW in LSB/USB, true AM in receive mode and data • 100 field-programmable and 644 factory-programmed ITU & data channels • 100 programmable scan channels • 13.6 VDC @ 16A • 4.75" h x 10" w x 15" d, 12 lbs **Closeout**

#### Available Accessories:

5182 Fan kit for continuous transmit, 5234 RS232 interface, 5251 CA-1 HV feed wire, 5254 CA-2000 remote head cable, 5261 PSC/12-1 12' power supply cable/1 plug, 5262 PSC/12-2 12' power supply cable/2 plugs, 5304 PS-30 30/40A peak unregulated power supply, 5305 PS-50 50/70A peak unregulated power supply



**04-10 PowerTalk™ SG-2000 HF SSB Transceiver** With the PowerTalk™ SG-2000, you'll intercept more weak HF signals, increase signal clarity and eliminate unwanted noise. You'll hear SSB signals clearer and easier than ever before. Combines SGC's exclusive ADSP™ (Automatic Digital Signal Processing) and SNS™ (Signal Noise Subtraction). A DSP command center with a high performance spinner knob and bright LED indicators. Includes all of the outstanding features of the SG-2000: 644 Ham and ITU discrete frequencies • 150W • Programmable memory • Large LCD.. **C/O**

**Available Accessories:**

5234 RS232 interface, 5251 CA-1 HV feed wire, 5254 CA-2000 remote head cable, 5261 PSC/12-1 12' power supply cable/1 plug, 5262 PSC/12-2 12' power supply cable/2 plugs, 5304 PS-30 30/40A peak unregulated power supply, 5305 PS-50 50/70A peak unregulated power supply



**05-04 SG-2020 ADSP² Transceiver** For base, backpack or business trips – the ultimate portable transceiver. Operate SSB or CW from wherever you are. The SG-2020 draws only 400mA receive and less than 3 Amps transmit at 20 Watts. Output power adjustable from 0-20W PEP. VOGAD baseband RF speech processing and RF clipping provide plenty of talk-power. No confusing menus and two-step operation: select your frequency and transmit. Fully integrated ADSP² for superior sound clarity, the SG-2020 is pure, simple HF at its best. • Transceiver: 1.8-29.7MHz • 0-20W PEP • <0.8mA receive • <3A transmitting current • Built-in iambic B keyer 5-50 wpm • ADSP²: 13dB and 26dB noise reduction • 2.8" h x 6.2" w x 7.3" d, 4.4 lbs

**05-01** Same radio as above with 40 memories, excluding the ADSP² ..... **Closeout**

**Available Accessories:**

5422 SG-239 200W SmartTuner

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**FT-817ND HF/VHF/UHF Backpack Transceiver** Self-contained and low power for portability. • 160-10M, 60M, 50MHz, 144MHz, 430-450MHz, plus Alaska emergency channel (5167.5kHz) tx • 100 kHz-56MHz, 76-154MHz, 420-470MHz, plus AM aircraft rx • 200 alphanumeric memories (home channels and band-limit) • SmartSearch™ memory loading • 5W SSB/CW/FM (13.8V external DC), 1.5W AM, 2.5W SSB/CW/FM (9.6V NiCad pack or 8 AA's, includes internal alkaline case), 0.7W AM, up to 5W SSB/CW/FM power programmable via menu • USB, LSB, CW, AM, FM, W-FM, AFSK, packet • RTTY, PSK31-U, PSK31-L, user-defined USB/LSB • 2-color, multi-function LCD • Meters ALC, power output, SWR, modulation • RF gain/squelch control • Noise blanker • Attenuator • Dual VFOs, split capability, IF shift, and RIT • Electronic keyer • VOX • Auto repeater shift • CTCSS/DCS • Front/rear antenna jacks • 3 accessory jacks • PC control capability • Includes 1400mAh NiMH battery and charger • 5.31" w x 1.5" h x 6.5" d, 2.6 lbs

**Available Accessories:**

W4R OTT1 W4RT one-touch tune, W4R OTT897 One-touch tune, ATAS25 40/20/15/10/6/2/430MHz antenna, CSC83 Soft case, CT39 Packet cable, CT62 Cat interface cable, EDC6 DC cord, FNB72 9.6V 1000mAh NiCad, MH36E8J TTP mic, MLS100 Mobile speaker, NC72B Wall charger, TCXO9 TCXO unit, YF122C 500Hz Collins CW filter, YF122CN 300Hz Collins CW filter, YF122S 2.3kHz Collins SSB filter



**FT-840 Compact High Performance HF Transceiver** Blending high performance digital synthesis techniques, convenience and affordability from previously successful radios, the FT-840 adds a choice of two optional remote automatic antenna tuners and a wealth of convenient functions. • Direct Digital Synthesis • Covers 160-10M with 50 kHz-30MHz general coverage receiver • 100W output (25W AM) • 100 memory channels • Low noise FET front end • Two direct digital synthesizers (DDSS) and magnetic rotary encoder for smooth tuning • Twin band-stacking VFOs • IF shift • Reverse CW • FM repeater with auto 10M repeater offset • Selectable CTCSS • Requires 13.8V DC @ 20A • 9.2" w x 3.6" h x 9.5" d, 9.9 lbs

**Available Accessories:**

FC10 Extra coax fed auto tuner, FC800 Extra long wire auto tuner, HE232C RS-232 interface, FM747 FM unit, FP1023 23A switching power supply with fan, FP1030A 25A power supply with meters, MD100A8X Desk mic with tone control, MD200A8X Deluxe high fidelity desk mic, MLS100 Mobile speaker, MMB20 Mobile mount, SP6 External spkr, TCXO4 TCXO unit, T9018320 DC cord, YF112A 6kHz AM filter, YF112C 500Hz CW filter, YH77STA Stereo headphone

**FREE ITEMS included with some radios.**  
**See Price Guide for details.**



**FT-847 HF/VHF/UHF All-Mode HF**, 50, 144 and 430MHz with full satellite capability • Covers 160-6M, 2M, 70cm and 5.1675MHz (Alaska emergency channel) • General receive: 100kHz-30MHz, 36-76, 108-74, 420-512MHz • 100W on HF/6M (25W AM); 50W (12.5W AM) on 2M/430MHz • High resolution 0.1Hz tuning steps • Shuttle-Jog™ tuning ring • Direct frequency keypad entry • Low noise VHF/UHF preamps • Advanced DSP enhances signal-to-noise ratio via sophisticated bandpass, noise reduction and auto notch filters • Cross band full duplex • Normal/reverse tracking • Dedicated satellite memories • 1200/9600bps packet ready • CW side-tone/pitch control • Built-in CTCSS/DCS • 4 antenna jacks (rear panel) • Requires 13.8V DC @ 22A • 10.2" w x 3.4" w x 10.6" d, 14.4 lbs

**Available Accessories:**

W4R ANTENNABOSS W4RT interface, ATAS120 HF/6/2/430 antenna, ATBK100 ATAS100 base kit, CT39 Packet cable, CT61 Amp interface cable, FC20 Automatic antenna tuner, FP1023 23A switching power supply with fan, FP1030A 25A power supply with meters, FVS1A Voice synthesizer, MD100A8X Desk mic with tone control, MD200A8X Deluxe high fidelity desk mic, MH36D8 DTMF mobile microphone, MMB66 Mobile mounting bracket, SP8 External speaker with filters, T9018320 DC cord, YF115C 500Hz CW/Collins Mechanical filter, YF115S02 2.5kHz SSB/Collins Mechanical filter, YH77STA Stereo headphone



**FT-857D Ultra-compact, HF/VHF/UHF 100W All-Mode Mobile** Blends leading-edge technologies of the FT-897 and MARK-V into the smallest full-power HF multi-mode transceiver. Now includes 60M! Unique ergonomics deliver unmatched ease of use with an ultra-compact design featuring a large, main tuning dial. • 100W HF/6M, 50W 2M, 20W 70cm • Transmits on HF, 50MHz, 144MHz and 430MHz, plus 0.1-56MHz, 76-108MHz, 118-164 MHz and 430-470MHz receive • 200 memories with 10 groups • Enhanced performance with installed DSP board • Large, multi-color dot matrix display • IF shift and noise blanker • IPO • AGC • CTCSS/DCS • Auto repeater shift • SmartSearch™ • Spectrum scope • ARTS™ • Optional remote-head operation and remote control microphone • 6.1" w x 2.0" h x 9.2" d, 4.6 lbs

**Available Accessories:**

W4R ANTENNABOSS W4RT interface, W4R OTT897 W4RT one-touch tune, ATAS120 HF/6/2/430 antenna, ATBK100 ATAS100 base kit, CT39 Packet cable, CT58 Band data cable, CT62 Cat interface cable, FC30 External antenna tuner, FP1023 23A switching power supply, FP1030A 25A power supply with meters, MD100A8X Desk mic with tone control, MD200A8X Deluxe high fidelity desk microphone, MH36E8J TTP microphone, MH59A8J Remote control TTP microphone, MLS100 Mobile speaker, MMB67 Quick release mobile bracket, SP6 External speaker, T9023225 Extra DC cord, TCXO9 TCXO unit (0.5ppm), YF122C 500Hz Collins CW filter, YF122CN 300Hz Collins CW filter, YF122S 2.3kHz Collins SSB filter, YH77STA Stereo headphones, YSK857 Separation kit



**FT-897D HF/VHF/UHF Multi-Mode Portable/Base** Self-contained transceiver, operates without external supply! Now includes 60M! Using the optional 13.2V @ 4500mAh NiMH battery pack, operates at 20W on all bands except 430MHz. Two batteries may be installed simultaneously giving up to 8 hours of use. • 100W (HF/50MHz), 50W (144 MHz) and 20W (430MHz) on external 13.8V DC • Adjustable down to 5W • SSB/CW/AM/FM and digital modes • Large-diameter main tuning dial • Built-in keyer, DSP and TCXO • Selectable tuning steps (2kHz/4kHz) • Easy receiver offset tuning • Scrolling front panel, multi-function keys with instant "hot key" • RS-232 port • Aluminum, die-cast chassis • Thermostatically-controlled twin fans • 7.9" w x 3.14" h x 10.3" d, 8.6 lbs

**Available Accessories:**

W4R ANTENNABOSS W4RT interface, W4R OTT897 W4RT one-touch tune, ATAS120 HF/6/2/430 antenna, ATBK100 ATAS100 base kit; use with mount, CD24 4-hour charge adapter, CT39 Packet cable, CT62 Cat interface cable, FC30 Antenna tuner, FNB78 4.5ah NiMH, FP30 Internal power supply, MD100A8X Desk mic with tone control, MD200A8X Deluxe high fidelity desk mic, MH36E8J TTP mic, MLS100 Mobile speaker, MMB80 Mounting bracket, PA26B Charger for CD24, SP6 External speaker, T9023225 Extra DC cord, YF122C 500Hz Collins CW filter, YF122CN 300Hz Collins CW filter, YF122S 2.3kHz Collins SSB filter, YH77STA Stereo headphones

**FREE ITEMS** included with some radios.  
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**FT-1000MP MK V 200W HF All Mode Transceiver** The crowning achievement in Yaesu's HF transceiver design history. A unique blend of analog and digital technology, the MARK-V is based on the concept of rigorous filtering in all stages of the receiver and transceiver. Introduces all-new features to the FT-1000 series. • Interlocked Digital Bandwidth Tracking, which matches the receiver passbands of the 8.2MHz IF, 455kHz IF and DSP systems • Variable RF Front-end Filter, providing a high-Q "Preselector" system protecting the receiver's front end • 200W MOSFET final amplifier, conservatively rated with revolutionary heat sink design • 75W optional Class-A PA operation, providing extraordinary SSB signal purity • Integrated ShuttleJog™ control, combines IBDT and VRF access buttons with the ShuttleJog™ frequency control • High-speed automatic antenna tuner for 200W operation • Separate switching power supply, provides 30V for MOSFET PA transistors, and 13.8V for other circuitry • 16.4" w x 5.4" h x 13.9" d, 31 lbs. (xcvr), 4.2" w x 5.4" h x 13.6" d, 13 lbs. (power supply)

**Available Accessories:**

DVS2 Voice recording module, FH1 Remote control keypad, FTV1000 200W 6M transverter, LL7 Phone patch unit for SP8, MD100A8X Desk mic with tone control, MD200A8X Deluxe high fidelity desk mic, MH31B8 Extra hand mic, SP8 External speaker with filters, TCXO6 Deluxe TCXO unit, YF110CN 250Hz CW filter/XFF, YF110SN 2kHz SSB filter/XFD, YF114CN 250Hz CW second IF main receive, YF114SN 2kHz SSB second IF main receive, YF115C 500Hz CW/Collins Mechanical filter, YH77STA Stereo headphone



**MK V FIELD** Leading-Edge Technology, 100W Self-Contained Design 160-10M tx (amateur only), 100kHz-30MHz rx • All modes • Adjustable up to 100W (25W AM) • Selectable Class-A 25W SSB output • Self-contained 117/200VAC power supply, 13.8VDC optional • Built-in TCXO • Dual receive with independent AGC systems • Integrated digital bandwidth tracking • Enhanced DSP • Digital SSB mic equalizer and RF speech processor • Selectable digital modulation/demodulation • Digital auto-notch • Variable RF front-end filter • Selectable SSB pattern-contour filters • Three RF preamp modes +IPO (Direct Mixer Feed) • IF filter chain includes 10-pole Collins mechanical filter • Built-in antenna tuner • Electronic memory keyer • Outstanding CW features • Ergonomic, multi-function shuttle jog dial • 16" w x 5.3" h x 13.7" d, 33 lbs

**Available Accessories:**

DVS2 Voice recording module, FH1 Remote control keypad, FP29 Power supply for FTV1000, FTV1000 200W 6M transverter, LL7 Phone patch unit for SP8, MD100A8X Desk mic with tone control, MD200A8X Deluxe high fidelity desk mic, MH31B8 Extra hand mic, SP8 External speaker with filters, TCXO6 Deluxe TCXO unit, YF110CN 250Hz CW filter/XFF, YF110SN 2kHz SSB filter/XFD, YF114CN 250Hz CW second IF main receive, YF114SN 2kHz SSB second IF main receive, YF115C 500Hz CW/Collins Mechanical filter, YH77STA Stereo headphone



**SINGLE BAND MOBILE RADIOS**

The AR-147+, 247 and 447 include features expected in a modern mobile including AM air receive (147+ only), direct frequency entry, lots of memory channels and more. Both CTCSS and DCS to ensure compatibility with all repeater systems. • MARS/CAP capable • 80 multi-function memories plus call • Auto repeater offset • 9 DTMF autodialer memories + redialer • Programmable band, memory scan and frequency/channel display • DTMF paging • Dual frequency watch • PC programmable

**AR-147+ 2M Mobile** Transmit: 144-148MHz • Receive: 118-171MHz • Three power settings (60, 10, 5W) • 1.5" x 5.5" x 6.25", 2.7lbs

**AR-247 220MHz Mobile** Transmit: 222-225MHz • Receive: 216-229MHz • Three power settings (30, 10, 5W) • 1.5" x 5.5" x 6.25", 2.7lbs

**Available Accessories:**

MTGBKT Mobile bracket, PROG47 PC programming software and cable, PWRCORD DC cable



**SINGLE BAND MOBILES**

**DR-135TP 2M Mobile/Base Voice/Data Transceiver** 144-148MHz tx; 118-135.995MHz (AM aircraft), 136-173.995MHz rx • 50/10/5W • Wide or narrow FM • 1200/9600bps TNC • 100 alphanumeric memories • 7-character, 3-mode display • CTCSS/DCS, 4 Euro bursts • Backlit DTMF mic • 10 autodial memories • Multi scan modes • Front panel GPS input • Rear PC connection • Ignition key on/off • Theft alarm • 13.8V DC @ 11A • 5.58" w x 1.57" h x 6.83" d, 2.3 lbs... **C/O**

**DR-135TPMKII** Same as 135TP with addition of ± 2.5ppm crystal and new digital board.

**DR-135TMKII** Same as 135T with addition of ± 2.5ppm crystal and new digital board

**DR-235T 135T**, but covers 222-224.995MHz tx, 216-279.995MHz rx • 25W/10/5W

**DR-435TMKII** Same as 435T with addition of ± 2.5ppm crystal and new digital board

**Available Accessories:**

EDC37 DC cable, EDC43 Cigarette lighter cable, EJ40U Digital board (T and TP's only), EJ41U 1200/9600 TNC (T and TMKII's only), EJ47U Digital board (MKII's only), ERW4 PC cable, HK130 Hardware kit, MB130 Mounting bracket, PC15B DC cable, SW620 Windows programming software

Manufacturer	ALINCO*	ALINCO*	ALINCO*	ICOM*	ICOM*	ICOM*	ICOM*	ICOM*	ICOM	ICOM	ICOM	KENWOOD	KENWOOD*	KENWOOD	KENWOOD	KENWOOD	KENWOOD	KENWOOD	MFJ
Model	DX-77T	DX-77T	DX-77T	IC-703 IC-703PLUS	IC-706MKIIIG	IC-718	IC-746PRO	IC-756PROII	IC-7800	TS-2000, TS-B2000 TS-2000X	TS-50S	TS-480HX	TS-480SAT	TS-570D(G)	TS-570D(G)	TS-570S(G)	TS-870S	9015	
Bands	HF, 6M	HF	HF, 6M 6M (Plus only)	HF, 6M 2M, 70CM	HF, 6M 2M, 70CM	HF, 6M	HF, 6M, 2M	HF, 6M	HF, 6M	HF, 6M, 2M 70CM, 1.2GHz	HF	HF, 6M 60M	HF, 6M 60M	HF	HF, 6M	HF, 6M	HF	15M	
Rx Range (MHz)	.15-30, 50-54	.5-30	.03-30 30-60 (Plus only)	.03-200 400-470	.03-200 400-470	.03-60	.03-200	.03-60	.03-60	.03-60, 142-152 420-450 1240-1300*	.5-30	.5-60	.5-60	.5-30	.5-30, 6M	.1-30		21- 21.2	
Power (SSB/CW/FM)	100W	10-100W	10/5W	5-100 HF/6M 5-50 2M	5-100 HF/6M 2-20 70CM	5-100W	5-100	5-100W	5-200W	100W HF/6M 50W 70CM 10W 1.2GHz*	100W	200W HF <sup>(10)</sup> 100W 6M	100W	5-100W	5-100W	100W	5W CW		
Power (AM)	40W	4-40W	2/4W	2-40W HF/6M 2-20W 2M 2-8W 70CM	2-40W HF/6M 2-20W 2M 2-8W 70CM	5-40W	5-40W	5-40W	5-50W	25W HF/6M 12.5W 70CM 2.5W 1.2GHz*	5-40W	5-25W	5-50W	5-25W	5-25W	25W	No		
DSP	No	No	Yes	Yes	Yes	Optional	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
Tuner	No	No	Yes	Optional	Optional	Internal	Internal	Internal	Internal	Yes	No	Optional	Yes	Yes	Yes	Yes	Yes	No	
Keyer	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
Speech Readout	No	No	Optional	Optional	Optional	Optional	Optional	Optional	Yes	Optional	No	Optional	Optional	Optional	Optional	Optional	Optional	No	
VOX	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	
Power Requirements	12VDC 20A	12VDC 20A	9-15.8VDC 2/3A	12VDC 20A	12VDC 20A	12VDC 23A	12VDC 20A	12VDC 23A	85-265VAC	12VDC 20.5A	12VDC 20.5A	12VDC 41A	12VDC 20.5A	12VDC 20.5A	12VDC 20.5A	12VDC 20.5A	12VDC 20.5A	12VDC 12A	
Antenna ports	2 <sup>(1)</sup>	1	1	2 <sup>(3)</sup>	2 <sup>(3)</sup>	2	3 <sup>(6)</sup>	2	4	5	1	2	2	2	2	2	2	1	
Computer Port	No	Optional	Yes	Optional	Optional	Optional	Optional	Optional	Yes	Yes	Optional	Yes	Yes	Yes	Yes	Yes	RS-232	No	
Height (in.)	2.3	3.7	2.3	2.3	2.3	4.3	4.7	4.3	5.9	3.75	2.4	2.4	2.4	3.8	3.8	4.8	2.5		
Width (in.)	7	9.8	6.56	6.6	6.6	18.3	11.5	18.3	16.6	10.625	7.1	7	7	10.6	10.6	13	6.5		
Depth (in.)	9	9	4.87	7.9	7.9	17.1	12.3	17.1	17.1	12.5	10.2	10.2	10.2	10.7	10.7	13.1	6		
Weight (lbs.)	6	8.4	4.4	5.5	5.5	21	19.5	21	55	17.19	6.4	7	7	15	15	25.4	2		

Manufacturer	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ	MFJ
Model	9020	9030	9040	9420X	9440X	9475X	SG-2000	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020	SG-2020
Bands	20M	30M	40M	20M	40M	75M	HF	HF	HF	HF	HF	HF	HF	HF	HF	HF	HF	HF	HF
Rx Range (MHz)	14- 14.075	10.1- 10.15	7-7.15	14.15- 14.35	7.15-7.3	3.75-4	5-30	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7	1.8-29.7
Power (SSB/CW/FM)	5W CW	5W CW	5W CW	12W SSB	12W SSB	12W SSB	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW	150W SSB/CW
Power (AM)	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
DSP	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Tuner	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Keyer	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Speech Readout	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
VOX	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Power Requirements	12VDC 12A	12VDC 1.2A	12VDC 1.2A	12VDC 1.2A	12VDC 1.2A	12VDC 1.2A	12VDC 30A	12VDC 5A	12VDC 5A	12VDC 2A	13.8VDC 22A	13.8VDC 22A	13.8VDC 22A	13.8VDC 22A	13.8VDC 22A	13.8VDC 22A	13.8VDC 22A	13.8VDC 22A	125VAC 13.8VDC
Antenna ports	1	1	1	1	1	1	1	1	1	2	1	4 <sup>(5)</sup>	2	2	2	2	2	2	2
Computer Port	No	No	No	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Height (in.)	2.5	2.5	2.5	2.5	2.5	2.5	4.6	2.75	2.75	1.5	3.7	3.4	3.4	3.14	3.14	5.4	5.3		
Width (in.)	6.5	6.5	6.5	6.5	6.5	6.5	10	6	6	5.3	10.2	10.2	6.1	6.1	6.1	16.4	16		
Depth (in.)	6	6	6	6	6	6	15	7.25	7.25	6.5	10.6	10.6	9.2	10.3	10.3	13.9	13.7		
Weight (lbs.)	2	2	2	2	2	2	12	2.5	2.5	2.6	12	14.4	4.6	8.6	8.6	31	33		

\*Remotable control head  
 \*Optional module required for TS-2000 and B versions  
 (1) One port for HF, one port for 6M  
 (2) Optional board required for MFJ  
 (3) HF/6M one port, 2M/440MHz second port  
 (4) Two ports for HF, one dedicated for 2M  
 (5) Port per band; HF/6M can be combined  
 (7) No FM  
 (8) On internal batteries; 20W (10W on 70cm)  
 (9) On internal batteries; 5W (2.5W on 70cm)  
 (10) Requires DC 13.8V power supply

**FREE ITEMS included with some radios.**  
**See Price Guide for details.**