

 ICOM

HAM RADIOS AND RECEIVERS



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HAM RADIOS

Beyond the radio in front of you, the world of amateur radio is expanding. With the push of a button, your voice travels across continents, bridging oceans and mountains to connect with HAMs worldwide. There is incomparable excitement in calling CQ and hearing a distant voice responding to your call, chasing rare signals, making new friends, or building your shack to reach further.

Every communication is a small adventure, every conversation a bridge between cultures, and every moment a true discovery. Turn the dial, press the PTT, and step into a HAM world where you will find new voices, friendships, and stories worldwide. This is Amateur Radio—bringing the world closer.



NEW

HF/50 MHz Transceiver

IC-7760



Outstanding Performance for Contesting and DX Hunting

- SSB, CW, RTTY, PSK, FM: 200 W, AM: 50 W, 100% duty cycle^{*1}
- 135 kHz^{*2}, 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands
- Dual touchscreens: 7 inch wide main display & 2.4 inch sub-display
- RF Direct Sampling system
- Full control head with separate RF deck
- Remote operation over the Internet^{*3}
- Dual, independent receivers
- Digital Pre-Distortion (DPD) for clean and linear transmission
- Preamp works together with DIGI-SEL
- DVI-D connector for external display



RC-7760 Remote Controller

^{*1} 200 W and one-hour continuous transmission with 100 V AC input (at ambient temperature 25 °C).

^{*2} Outputs from X-VERTER. Output signal level: More than -20 dBm.

^{*3} Internet connection requires stable speeds of 4 Mbps or faster from RF deck to control head, and 2 Mbps or faster from control head to RF deck. A VPN connection or Port Forwarding with a global static IPv4 or dynamic DNS (DDNS) is required for Internet access. Restrictions may apply depending on the network configuration. Brief audio dropouts may occur due to packet loss.

HF/50 MHz Transceiver

IC-7610

RF Direct Sampling Takes You to the Next Level with Advanced RMDR and True Dual Receive

- SSB, CW, RTTY, PSK, FM: 100 W, AM: 25 W
- 135 kHz^{*1}, 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands
- Touchscreen, 7 inch wide colour TFT
- RF Direct Sampling system
- RMDR (Reciprocal Mixing Dynamic Range) of 110 dB^{*2}
- High-speed, high-resolution real-time spectrum scope
- Dual, independent receivers
- Digital Pre-Distortion (DPD) for clean and linear transmission
- DVI-D connector for external display

*1 Outputs from X-VERTER. Output signal level: More than -20 dBm.
*2 At 2 kHz frequency separation.

HF/50/70 MHz Transceiver

IC-7300

The Innovative HF Transceiver with High Performance Real-Time Spectrum Scope

- SSB, CW, RTTY, FM: HF/50 MHz 100 W, 70 MHz 50 W, AM: HF/50 MHz 25 W, 70 MHz 12.5 W
- 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 70* MHz bands
- Touchscreen, 4.3 inch colour TFT
- RF direct sampling system
- Class leading real-time spectrum scope with waterfall display
- Class leading RMDR and phase noise characteristics
- One-touch FT8 mode preset
- 15 discrete band-pass filters
- Built-in automatic antenna tuner

* Depending on version.



HF/50/144/430 MHz
Multimode Portable Transceiver

IC-705

D-STAR

“Base Station” Performance and Features in the Palm of Your Hand

- (13.8 V DC) SSB, CW, RTTY, FM, DV: 10 W, AM: 2.5 W
(Using battery pack) SSB, CW, RTTY, FM, DV: 5 W, AM: 1.25 W
- 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 144, 430 MHz bands
- Touchscreen, 4.3 inch colour TFT
- RF direct sampling system
- Real-time spectrum scope with waterfall display
- Compact and lightweight design for outdoor use
- One-touch FT8 mode preset
- Li-ion battery pack or 13.8 V DC external power supply
- Built-in Wi-Fi®/Bluetooth® capability
- GPS functions



144/430/1200/2400/5600 MHz
+10 GHz All Mode Transceiver

IC-905

D-STAR



RF unit

Controller

Industry First*1 Multi-Band 144 MHz to Microwave Transceiver!

- SSB, CW, FM, RTTY, DV, DD*2, ATV*2: 144, 430, 1200 MHz 10 W, 2.4, 5.6 GHz 2 W, 10 GHz*3 0.5 W typ.
AM: 144, 430, 1200 MHz 2.5 W, 2.4, 5.6 GHz 0.5 W, 10 GHz*3 0.125 W typ.
- 144, 430 MHz, 1200 MHz (23 cm), 2.4 GHz (13 cm), 5.6 GHz (6 cm) bands plus 10 GHz (3 cm) bands*3
- Touch screen colour TFT, 4.3 inch
- RF direct sampling system (144, 430 MHz)
Down conversion IF sampling (1200 MHz and above)
- Wideband 50 MHz span real-time spectrum scope
- Separate controller and RF unit configuration
- Ultimate frequency stability with GPS-controlled oscillator
- Power supplied through the controller cable
- Full D-STAR functions (DD/DV) and ATV (Amateur TV) mode



CX-106

*1 According to Icom research as of August 2024.

*2 1200 MHz and above.

*3 With the optional 10 GHz transverter, CX-106.

144/430/1200 MHz All Mode Transceiver

IC-9700

D-STAR



Supreme VHF/UHF Transceiver Built-in 1200 MHz!

- SSB, CW, RTTY, FM, DV, DD: 144 MHz 100 W, 430 MHz 75 W, 1200 MHz 10 W
AM: 144 MHz 25 W, 430 MHz 18.75 W, 1200 MHz 2.5 W
- 144, 430, 1200 MHz bands
- Touchscreen, 4.3 inch colour TFT
- RF direct sampling system (144, 430 MHz)
Down conversion IF sampling (1200 MHz)
- Real-time spectrum scope with waterfall display
- Simultaneous receive on two bands, full duplex
- One-touch FT8 mode preset
- Ready for satellite operation
- D-STAR friendly functions (DD/DV)
- High efficiency power amplifier with stable output

HF Transceiver

IC-718



The Origin of the HF Transceiver Classic Simplicity and Timeless Reliability

- SSB, CW, RTTY: 100 W, AM: 35 W
- 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28 MHz bands
- Segment display, 38.3 × 79.2 mm
- Simple, straightforward operation with keypads
- Front mount loud speaker
- Five selectable IF filter widths
- Noise reduction function
- Automatic notch out of the filter
- MIL-STD 810 rugged construction

HF/VHF/UHF All Mode Transceiver

IC-7100

D-STAR



Intuitive Touch Screen, Quick Response, Multi-band Radio

- SSB, CW, RTTY, FM, DV: 1.8 ~ 50 MHz 100 W, 70, 144 MHz 50 W, 430 MHz 35 W, AM: 1.8 ~ 50 MHz 30 W, 70 MHz 15 W
- 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 70*, 144, 430 MHz bands
- Touchscreen, 3.6 inch FSTN display
- Triple conversion superheterodyne system
- HF to 70 cm band multi-band, multi-mode including DV mode
- Compact, angled control head for limited vehicle or desktop space
- Controller mounted speaker and jacks
- Digital features controlled by the IF DSP
- DSP controlled AGC function loop
- SD memory card slot for saving data

* Depending on version.

NEW

HF/50 MHz 1 kW Linear Amplifier

IC-PW2



1 kW Output at Full Duty Cycle Single Operator Two Radios (S02R) with One IC-PW2

- 1 kW (180 ~ 264 V AC), 500 W (90 ~ 132 V AC)
1 kW and 1-hour continuous transmission
- 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands
- Touchscreen, 4.3 inch colour TFT
- Digital Pre-Distortion (DPD) for clean and linear transmission*1
- 2 × 6 automatic antenna selector
- Detachable controller
- RX In/Out connectors for multi-band BPF
- PC remote control operation through a LAN or Internet with the RS-PW2 (Download from Microsoft Store).
- Completely linked with Icom radio operation*2

*1 With IC-7760 and IC-7610.

*2 With IC-7760, IC-7610 and IC-7300.

IP Remote Control Software

RS-BA1 Version 2



Further Advanced Dualwatch Remote Control Software

- Dualwatch operation with dual spectrum scopes
- Covers most functions and modes
- Low latency, high quality audio over an IP network
- Optional USB remote encoder RC-28
- Compatible with IC-7760, IC-7610, IC-7300, IC-905, IC-705, IC-9700, and IC-7100



RC-28 Remote Encoder

Automatic Antenna Tuner

AH-730



Fast Tune-up from 1.8 to 50 MHz Band Remote Control with Icom Transceivers

- 1.8 ~ 50 MHz frequency coverage with 7 m or longer wire antenna
- 2 ~ 3 seconds high-speed tuning
- IPX4 water resistant
- Low power emission during tuning reduces interference to other stations
- 45 tuning memories to store the minimum SWR settings
- Max. input: 150 W PEP, 100 W continuous
- Compatible with IC-7760, IC-7610, IC-7300, IC-7100, and IC-718

Automatic Antenna Tuner

AH-705



Compact Antenna Tuner for the IC-705 Tunable 50 Ω Antenna and Long Wire Antenna

- 1.8 ~ 50 MHz frequency coverage with 30 m or longer wire^{*1}
- SO-239 antenna connector for 50 Ω antenna such as dipole or yagi
- PL-259 plug or terminal connector supplied for a long wire antenna
- Alkaline batteries or external 13.8 V DC^{*2}, 2-way power sources
- Latching relays used for saving power consumption
- Compact design 190 × 105 × 40 mm, 450 g^{*3}

*1 3.5 ~ 50 MHz coverage with 7 m or longer antenna

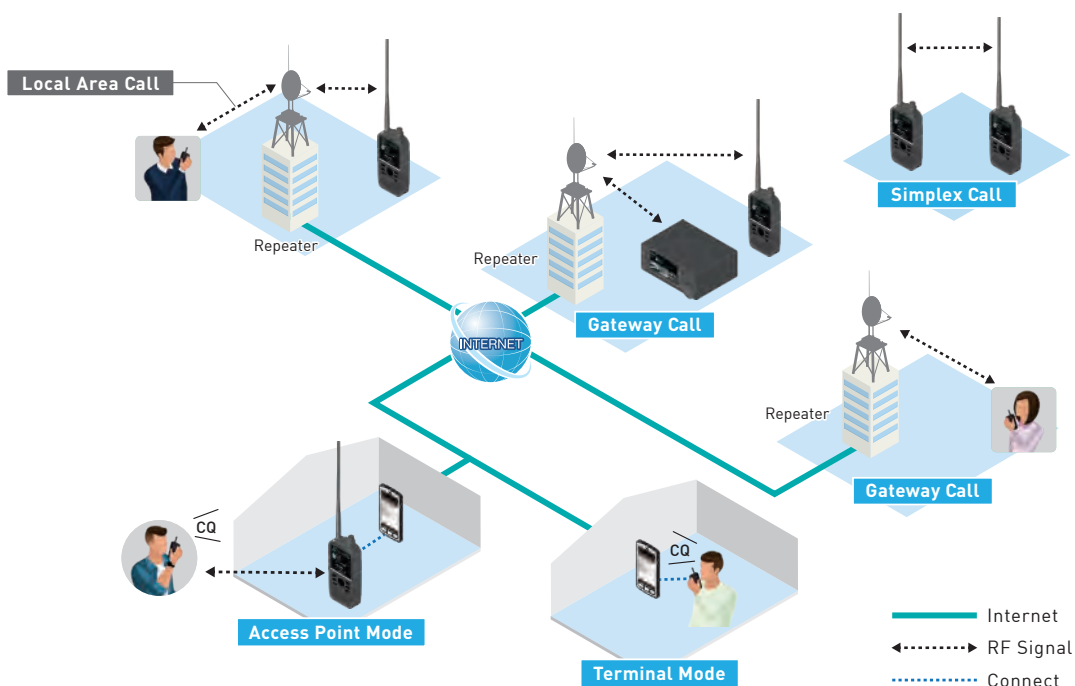
*2 13.8 V DC should be taken directly from an external power supply, not through the IC-705.

*3 Battery cells are not included.



Long Distance Communications at Your Fingertips

D-STAR (Digital Smart Technology for Amateur Radio) makes global communication effortlessly accessible. The D-STAR repeater network lets you reach across cities and continents with clear audio. D-STAR's intelligent routing system connects you to repeaters worldwide—from your local area to the opposite side of the globe, making distance no barrier to communication.



VHF/UHF Transceiver

ID-5100E

D-STAR



Innovation and Mobility Taken to the Next Level

- 50 W output (FM, FM-N, DV)
- 144 ~ 146, 430 ~ 440 MHz bands*¹
- Touchscreen, 5.5 inch (320 × 128 pixels) FSTN display
- 118 ~ 174, 375 ~ 550 MHz receiver working range*¹
- V/V, U/U, V/U dualwatch including DV/DV mode
- Integrated GPS receiver
- DV/FM repeater search function
- SD card slot for voice and data storage
- Bluetooth® capability*²

*¹ Depending on version.

*² Optional UT-133A required.

NEW

VHF/UHF Transceiver

ID-52E PLUS

D-STAR



D-STAR/FM Multifunctional Digital with Advanced Features

- 5 W output (FM, FM-N, DV)
- 144 ~ 146, 430 ~ 440 MHz bands*¹
- 2.3 inch large colour display
- Receiver range*^{1,2}: (A) 108 ~ 174, 225 ~ 479 MHz (B) 137 ~ 174, 375 ~ 479 MHz (BC) 76 ~ 108 MHz
- V/V, U/U, V/U dualwatch including DV/DV mode
- VHF/UHF airband and FM broadcast receiver
- Built-in Bluetooth® capability
- Band scope & memory scope with waterfall display
- Connect wirelessly with Android™/iOS™ device for Terminal mode and Access Point mode
- Picture sharing functions
- IPX7 waterproof

*¹ Depending on version.

*² (A) means A band, (B) means B band, (BC) means FM broadcast.

VHF/UHF Transceiver

ID-50E

D-STAR



Compact D-STAR Dual bander Easy Functions and Smart Features

- 5 W output (FM, FM-N, DV)
- 144 ~ 146, 430 ~ 440 MHz bands*¹
- 1.7 inch monochrome LCD
- Receiver range*^{1,2}: (A) 108 ~ 174, 375 ~ 479 MHz (B) 137 ~ 174, 375 ~ 479 MHz (BC) 76 ~ 108 MHz
- V/V, U/U, V/U dualwatch including DV/DV mode
- VHF airband and FM broadcast receiver
- Easy D-STAR settings
- Band scope with waterfall display
- Terminal mode and Access Point mode
- Picture sharing functions
- IPX7 waterproof

*¹ Depending on version.

*² (A) means A band, (B) means B band, (BC) means FM broadcast.



VHF/UHF Transceiver

IC-T10

Rugged, Compact Dual Bander

- 5 W output (FM)
- 144 ~ 146, 430 ~ 440 MHz bands*¹
- Segment LCD
- Receiver range*²: 136 ~ 174, 400 ~ 479 MHz
(BC) 76 ~ 108 MHz
- 1500 mW powerful audio
- IP67 and MIL-STD 810G rugged construction
- 11/10 (VHF/UHF) hours of long battery life*³
- FM broadcast receiver
- The home button on the top panel



*¹ Depending on version.

*² (BC) means FM broadcast.

*³ Approximately. With BP-280 battery at 1:1:8 duty ratio (Power save ON).



VHF/UHF Transceiver

IC-2730E

Practical Dual Bander with Bluetooth®

- 50 W output (FM, FM-N)
- 144 ~ 146, 430 ~ 440 MHz bands*1
- 91 × 27 mm black/white high-contrast LCD
- 118 ~ 174, 375 ~ 550 MHz receiver working range*1
- V/V, U/U, V/U dualwatch
- Side-by-side symmetrical design
- Bluetooth® capability*2
- Easy controller mounting with the optional MBF-1
- MIL-STD 810G rugged construction



Black Edition



White Edition

*1 Depending on version.

*2 Optional UT-133A required.

RECEIVERS



Communications Receiver

IC-R8600



Exciting Innovation in the Professional Communications Receiver World

- 0.01 ~ 3000 MHz super wideband coverage
- Decode digital protocols (P25, NXDN, dPMR, D-STAR, DCR)
- Real-time spectrum scope with waterfall function
- Software demodulation in FPGA/DSP processing
- Superb receiver performance
- 100 channels per second high-speed scan and various scan functions
- MIL-STD 810G rugged construction

Communications Receiver

IC-R15

Multi-functional Receiver Designed for Fun of Listening

- 76.000 ~ 500.000 MHz* wideband coverage
- Receiving various signals with dualwatch
- Graphical Icon menu and clear visibility
- Simple mode to start receiving and scanning more quickly
- Saving audio on microSD card
- Built-in Bluetooth® capability
- 150 channels per second high-speed scan
- USB Type-C™ charging port
- IPX7 waterproof



* 76.000 ~ 108.000 MHz is BC band.

Communications Receiver

IC-R6

The 100 Ch/Sec Wideband Signal "Search Machine"

- 0.1 ~ 1309.995 MHz¹ wideband coverage
- 100 channels per second high-speed scan
- 15 hours of continuous receive capability²
- 1300 memory channels with 22 memory banks
- MIL-STD-810F rugged construction



¹ Frequency range depending on version.
² At 50 mW output using external speaker.

Specifications for Base Stations & Multi-Band

	IC-7760	IC-7610	IC-7300	IC-705	
General	Frequency coverage (Differs according to version)	Tx: 135 kHz, 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands Rx: 30 kHz ~ 60 MHz ²	Tx: 135 kHz, 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands Rx: 30 kHz ~ 60 MHz ²	Tx: 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 70 ¹ MHz bands Rx: 30 kHz ~ 74.8 MHz ²	Tx: 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 144, 430 MHz band Rx: 30 kHz ~ 199.999 MHz, 400 ~ 470 MHz ²
	Modes	USB, LSB, CW, RTTY, PSK31/63, AM, FM	USB, LSB, CW, RTTY, PSK31/63, AM, FM	USB, LSB, CW, RTTY, AM, FM	USB, LSB, CW, RTTY, DV, AM, FM, WFM* (* Rx only)
	Frequency stability	Less than ±0.5 ppm (0°C ~ +50°C)	Less than ±0.5 ppm (0°C ~ +50°C)	Less than ±0.5 ppm (-10°C ~ +60°C)	Less than ±0.5 ppm (-10°C ~ +60°C)
	Maximum current drain	800 VA at 90 ~ 264 V AC	23 A at 13.8 V DC	21 A at 13.8 V DC	3 A at 13.8 V DC (10 W output) 2.5 A at 7.4 V DC (5 W output)
	Antenna connector	SO-239 × 4, BNC	SO-239 × 2, BNC	SO-239	BNC (One connector for all bands)
	Dimensions (W × H × D: Projections are not included)	RF Deck: 425 × 149 × 442 mm Control Head: 340 × 118 × 103.5 mm	340 × 118 × 277 mm	240 × 94 × 238 mm	200 × 83.5 × 82 mm
	Weight (approx.)	RF Deck: 15.8 kg, Control Head: 2.3 kg	8.5 kg	4.2 kg	1.1 kg (including BP-307)
Transmitter	Output power	SSB, CW, RTTY, PSK, FM: 1 ~ 200 W AM: 0.25 ~ 50 W Transverter connector: -20 dBm	SSB, CW, RTTY, PSK, FM: 1 ~ 100 W AM: 1 ~ 25 W Transverter connector (CW): -20 dBm	SSB, CW, FM, RTTY: HF/50 MHz 2 ~ 100 W 70 MHz 2 ~ 50 W AM: HF/50 MHz 1 ~ 25 W 70 MHz 1 ~ 12.5 W	13.8 V DC SSB, CW, RTTY, FM, DV: 0.1 ~ 10 W AM: 0.025 ~ 2.5 W Using specified Icom's battery pack (7.4 V DC) SSB, CW, RTTY, FM, DV: 0.1 ~ 5 W AM: 0.025 ~ 1.25 W
	Sensitivity (typical) Preamp ON SSB, CW, RTTY, AM: at 10 dB S/N FM, WFM: at 12 dB SINAD DV: at 1% BER	SSB, CW (2.4 kHz): 135 kHz 1.41 µV 1.8 ~ 29.999 MHz 0.16 µV 50 ~ 54 MHz 0.13 µV AM (6 kHz): 0.5 ~ 1.799 MHz 6.3 µV 1.8 ~ 29.999 MHz 2.0 µV 50 ~ 54 MHz 1.0 µV FM (15 kHz): 28 ~ 29.700 MHz 0.5 µV 50 ~ 54 MHz 0.32 µV	SSB, CW (2.4 kHz): 1.8 ~ 29.999 MHz 0.16 µV 50 ~ 54 MHz 0.13 µV AM (6 kHz): 0.5 ~ 1.799 MHz 6.3 µV 1.8 ~ 29.999 MHz 2.0 µV 50 ~ 54 MHz 1.0 µV FM (15 kHz): 28 ~ 29.700 MHz 0.5 µV 50 ~ 54 MHz 0.32 µV	SSB, CW (2.4 kHz): 1.8 ~ 29.999 MHz 0.16 µV 50 ~ 54 MHz 0.13 µV 70 ~ 70.5 MHz 0.16 µV AM (6 kHz): 0.5 ~ 1.8 MHz 12.6 µV 1.8 ~ 29.999 MHz 2.0 µV 50 ~ 54 MHz 1.0 µV 70 ~ 70.5 MHz 1.0 µV FM (15 kHz): 28 ~ 29.7 MHz 0.5 µV 50 ~ 54 MHz 0.25 µV 70 ~ 70.5 MHz 0.25 µV	SSB, CW (2.4 kHz): 1.8 ~ 29.999 MHz 0.2 µV 50 ~ 54 MHz 0.15 µV 144/430 MHz 0.11 µV AM (6 kHz): 0.5 ~ 1.799 MHz 13 µV 1.8 ~ 29.999 MHz 2.0 µV 50 ~ 54 MHz 1.0 µV 144/430 MHz 1.0 µV FM (15 kHz): 28 ~ 29.7 MHz 0.5 µV 50 ~ 54 MHz 0.25 µV 144/430 MHz 0.18 µV DV: 28 ~ 29.7 MHz 1 µV 50 ~ 54 MHz 0.63 µV 144/430 MHz 0.35 µV WFM: 76 ~ 108 MHz 0.71 µV
Receiver	Selectivity (Filter: SHARP)	SSB: 2.4 kHz/-6 dB (2.4 kHz) 3.6 kHz/-60 dB CW: 500 Hz/-6 dB (500 Hz) 700 Hz/-60 dB RTTY: 500 Hz/-6 dB (500 Hz) 700 Hz/-60 dB AM: 6.0 kHz/-6 dB (6 kHz) 15 kHz/-60 dB FM: 12 kHz/-6 dB (15 kHz) 20 kHz/-60 dB * Variable between 50 Hz and 3.6 kHz.	SSB: 2.4 kHz/-6 dB (2.4 kHz) 3.6 kHz/-60 dB CW: 500 Hz/-6 dB (500 Hz) 700 Hz/-60 dB RTTY: 500 Hz/-6 dB (500 Hz) 700 Hz/-60 dB AM: 6.0 kHz/-6 dB (6 kHz) 15 kHz/-60 dB FM: 12 kHz/-6 dB (15 kHz) 20 kHz/-60 dB * Variable between 50 Hz and 3.6 kHz.	SSB: 2.4 kHz/-6 dB (2.4 kHz) 3.4 kHz/-40 dB CW: 500 Hz/-6 dB (500 Hz) 700 Hz/-40 dB RTTY: 500 Hz/-6 dB (500 Hz) 800 Hz/-40 dB AM: 6.0 kHz/-6 dB (6 kHz) 10 kHz/-40 dB FM: 12 kHz/-6 dB (15 kHz) 22 kHz/-40 dB * Variable between 50 Hz and 3.6 kHz.	SSB: 2.4 kHz/-6 dB (2.4 kHz) 3.4 kHz/-40 dB CW: 500 Hz/-6 dB (500 Hz) 700 Hz/-40 dB RTTY: 500 Hz/-6 dB (500 Hz) 800 Hz/-40 dB AM: 6.0 kHz/-6 dB (6 kHz) 10 kHz/-40 dB FM: 12 kHz/-6 dB (15 kHz) 22 kHz/-40 dB DV (12.5 kHz spacing): -50 dB
	Spurious and image rejection	More than 70 dB* * Except for ADC aliasing on 50 MHz band.	More than 70 dB* * Except for ADC aliasing on 50 MHz band.	More than 70 dB* * Except for ADC aliasing on 50 MHz band.	More than 70 dB (HF/50 MHz)* More than 65 dB (144 MHz) More than 54 dB (430 MHz) * Except for ADC aliasing below 25 MHz. More than 50 dB at intermediate frequency in 25 ~ 30 MHz or 50 ~ 54 MHz.
	Audio output power (at 10% distortion)	More than 2.0 W (8 Ω load)	More than 2.0 W (8 Ω load)	More than 2.5 W (8 Ω load)	More than 530 mW (Internal SP, 12 Ω load) More than 200 mW (External SP, 8 Ω load)
US Military Standards and IP Rating	—	—	—	MIL-STD-810-G	

*1 Depending on version. *2 Some frequency ranges are not guaranteed.

Specifications for Base Stations & Multi-Band

	IC-905	IC-9700	IC-718	IC-7100	
General	Frequency coverage (Differs according to version)	144, 430 MHz, 1.2 GHz (23 cm), 2.4 GHz (13 cm), 5.6 GHz (6 cm) bands plus 10 GHz (3 cm) bands (with option CX-10G)	144, 430 MHz, 1.2 GHz (23 cm) ^{*2}	Tx: 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28 MHz band Rx: 30 kHz ~ 29.999 MHz ^{*3}	Tx: 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 70 ^{*2} , 144, 430 MHz bands Rx: 30 kHz ~ 199.999 MHz, 400 ~ 470 MHz ^{*3}
	Modes	SSB, CW, AM, FM, RTTY, DV, DD*, ATV* (* 1200 MHz and above)	USB, LSB, CW, RTTY, AM, FM, DV, DD* (* 1200 MHz only)	USB, LSB, CW, RTTY (FSK), AM	USB, LSB, CW, RTTY, DV, AM, FM, WFM* (*Rx only)
	Frequency stability	Less than ±65 ppb (Total deviation) GPS-Controlled Oscillator	Less than ±0.5 ppm (-10°C ~ +60°C)	Less than ±20 ppm (-10°C ~ +60°C)	Less than ±0.5 ppm (0°C ~ +50°C @ 430 MHz)
	Maximum current drain	Less than 5.5 A at 13.8 V DC	18 A at 13.8 V DC	20 A at 13.8 V DC	22 A (HF/50/70 MHz), 16 A (144/430 MHz) at 13.8 V DC
	Antenna connector	Type-N (144 ~ 1200 MHz), SMA × 2 (2.4, 5.6 GHz)	SO-239 (144 MHz), Type-N (430, 1200 MHz)	SO-239	SO-239 × 2
	Dimensions (W × H × D: Projections are not included)	Controller unit: 200 × 83.5 × 82 mm RF unit: 172 × 87 × 210 mm, CX-10G: 181 × 115 × 64 mm	240 × 94 × 238 mm	240 × 95 × 239 mm	Main unit: 167 × 58 × 225 mm Controller: 165 × 64 × 78.5 mm
	Weight (approx.)	Controller: 940 g, RF unit: 3.2 kg, CX-10G: 1.3 kg	4.7 kg	4.0 kg	Main unit: 2.3 kg Controller: 500 g
Transmitter	Output power	SSB, CW, FM, RTTY, DV, DD ^{*4} , ATV ^{*4} : 144, 430 MHz, 1.2 GHz 10 W 2.4, 5.6 GHz 2 W 10 GHz (with CX-10G) 0.5 W typ. AM: 144, 430 MHz, 1.2 GHz 2.5 W 2.4, 5.6 GHz 0.5 W 10 GHz (with CX-10G) 0.125 W typ.	SSB, CW, RTTY, FM, DV, DD: 144 MHz 0.5 ~ 100 W 430 MHz 0.5 ~ 75 W 1200 MHz 0.1 ~ 10 W AM: 144 MHz 0.125 ~ 25 W 430 MHz 0.125 ~ 18.75 W 1200 MHz 0.025 ~ 2.5 W	SSB, CW, RTTY: 2 ~ 100 W AM: 1 ~ 35 W	SSB, CW, RTTY, FM, DV: 1.8 ~ 50 MHz 2 ~ 100 W 70/144 MHz 2 ~ 50 W 430 MHz 2 ~ 35 W AM: 1.8 ~ 50 MHz 1 ~ 30 W 70 MHz 1 ~ 15 W
	Sensitivity (typical) Preamp ON SSB, CW, RTTY, AM: at 10 dB S/N FM, WFM: at 12 dB SINAD DV: at 1 % BER	SSB, CW: 144/430 MHz, 1.2/2.4 GHz 0.11 µV 5.6 GHz 0.15 µV 10 GHz (with CX-10G) 0.14 µV AM: 144/430 MHz, 1.2/2.4 GHz 1.0 µV 5.6 GHz 1.4 µV 10 GHz (with CX-10G) 1.1 µV FM: 144/430 MHz, 1.2/2.4 GHz 0.17 µV 5.6 GHz 0.25 µV 10 GHz (with CX-10G) 0.22 µV DV: 144/430 MHz, 1.2/2.4 GHz 0.35 µV 5.6 GHz 0.50 µV DD: 1.2/2.4 GHz 1.58 µV 5.6 GHz 2.23 µV	SSB, CW: (Filter: SOFT) Less than 0.11 µV AM: Less than 1.0 µV FM: Less than 0.18 µV DV: Less than 0.35 µV DD (1200 MHz only): Less than 1.59 µV (Preamp ON for 144 MHz, 430 MHz and 1200 MHz)	SSB, CW: 1.8 ~ 29.999 MHz 0.16 µV AM: 0.5 ~ 1.799 MHz 12.6 µV 1.8 ~ 29.999 MHz 2.0 µV	SSB, CW (2.4 kHz): 1.8 ~ 29.999 MHz 0.15 µV 50 ~ 54 MHz 0.12 µV 70 ~ 70.5 MHz 0.15 µV 144/430 MHz 0.11 µV AM (6 kHz): 0.5 ~ 1.8 MHz 13 µV 1.8 ~ 29.999 MHz 2.0 µV 50 ~ 54 MHz 1.0 µV 70 ~ 70.5 MHz 1.0 µV 144/430 MHz 1.0 µV FM (15 kHz): 28 ~ 29.7 MHz 0.5 µV 50 ~ 54 MHz 0.25 µV 70 ~ 70.5 MHz 0.25 µV 144/430 MHz 0.18 µV DV: 28 ~ 29.7 MHz 1 µV 50 ~ 54 MHz 0.63 µV 70 ~ 70.5 MHz 0.63 µV 144/430 MHz 0.35 µV WFM: 76 ~ 108 MHz 10 µV
Receiver	Selectivity	SSB: 2.4 kHz/-3 dB (2.4 kHz) 3.6 kHz/-60 dB CW: 500 Hz/-3 dB (500 Hz) 700 Hz/-60 dB RTTY: 500 Hz/-3 dB (500 Hz) 700 Hz/-60 dB AM: 6.0 kHz/-3 dB (6 kHz) 15 kHz/-60 dB FM: 12 kHz/-6 dB (15 kHz) 20 kHz/-60 dB DV (12.5 kHz spacing): -50 dB DD (300 kHz spacing): -40 dB * Filter: SHARP	SSB: 2.4 kHz/-3 dB (2.4 kHz) 3.6 kHz/-60 dB CW: 500 Hz/-3 dB (500 Hz) 700 Hz/-60 dB RTTY: 500 Hz/-3 dB (500 Hz) 700 Hz/-60 dB AM: 6 kHz/-3 dB (6 kHz) 15 kHz/-60 dB FM: 12 kHz/-6 dB (15 kHz) 20 kHz/-60 dB DV (12.5 kHz spacing): -50 dB DD (300 kHz spacing): -40 dB	SSB: 2.4 kHz/-6 dB (2.4 kHz) 3.4 kHz/-40 dB CW: 500 Hz/-6 dB (500 Hz) 700 Hz/-40 dB RTTY: 500 Hz/-6 dB (500 Hz) 800 Hz/-40 dB AM: 6.0 kHz/-6 dB (6 kHz) 10 kHz/-40 dB FM: 12 kHz/-6 dB (15 kHz) 22 kHz/-40 dB DV (12.5 kHz spacing): -50 dB	SSB: 2.4 kHz/-6 dB (2.4 kHz) 3.4 kHz/-40 dB CW: 500 Hz/-6 dB (500 Hz) 700 Hz/-60 dB RTTY: 500 Hz/-6 dB (500 Hz) 800 Hz/-40 dB AM: 6.0 kHz/-6 dB (6 kHz) 10 kHz/-40 dB FM: 12 kHz/-6 dB (15 kHz) 22 kHz/-40 dB DV (12.5 kHz spacing): -50 dB * Filter: SHARP
	Spurious and image rejection	144/430 MHz SSB/CW More than 70 dB AM/FM/DV More than 60 dB 1.2/2.4/5.6 GHz SSB/CW/AM/FM/DV/DD More than 50 dB	144/430 MHz SSB/CW More than 70 dB AM/FM/DV More than 60 dB 1200 MHz SSB/CW/AM/FM/DV/DD More than 50 dB	More than 70 dB (1.8 ~ 29.999 MHz)	More than 70 dB (HF/50/70 MHz) More than 65 dB (144/430 MHz) (Except 1/2 IF through on 50 MHz, IF through on 144 MHz)
	Audio output power (at 10 % distortion)	More than 530 mW (Internal SP, 12 Ω load) More than 200 mW (External SP, 8 Ω load)	More than 2.0 W (8 Ω load)	More than 2.0 W (8 Ω load)	More than 2.0 W (8 Ω load)
	US Military Standards and IP Rating	RF Unit IP55	—	MIL-STD-810-G	—

*2 Depending on version. *3 Some frequency ranges are not guaranteed. *4 1.2 GHz and above for DD and ATV mode.

Specifications for Handhelds & Mobiles

	ID-5100E	ID-52E PLUS	ID-50E	IC-T10	IC-2730E
Frequency coverage (Differs according to version)	Europe version: Tx 144 ~ 146, 430 ~ 440 MHz Rx 118 ~ 174, 375 ~ 550 MHz ^{*1} Italia version: Tx 144 ~ 146, 430 ~ 434, 435 ~ 438 MHz Rx 118 ~ 136.991, 144 ~ 146, 430 ~ 434, 435 ~ 438 MHz ^{*2}	Tx 144 ~ 146, 430 ~ 440 MHz Rx A band 108 ~ 174, 225 ~ 479 MHz ^{*1} B band 137 ~ 174, 375 ~ 479 MHz ^{*1} FM Broadcast 76 ~ 108 MHz	Tx 144 ~ 146, 430 ~ 440 MHz Rx A band 108 ~ 174, 375 ~ 479 MHz ^{*1} B band 137 ~ 174, 375 ~ 479 MHz ^{*1} FM Broadcast 76 ~ 108 MHz	Tx 144 ~ 146, 430 ~ 440 MHz ^{*1} Rx 136 ~ 174, 400 ~ 479 MHz ^{*1} FM Broadcast 76 ~ 108 MHz	Europe version: Tx 144 ~ 146, 430 ~ 440 MHz Rx 118 ~ 174, 375 ~ 550 MHz ^{*1} Italia version: Tx 144 ~ 146, 430 ~ 434, 435 ~ 438 MHz Rx 118 ~ 136.991, 144 ~ 146, 430 ~ 434, 435 ~ 438 MHz ^{*2}
Modes	DV, FM, FM-N, AM (Rx only), AM-N (Rx only)	DV, FM, FM-N, WFM (Rx only), AM (Rx only), AM-N (Rx only)	DV, FM, FM-N, WFM (Rx only), AM (Rx only), AM-N (Rx only)	FM, FM-N	FM, FM-N, AM (Rx only), AM-N (Rx only)
Max. current drain	13 A	2.5 A	2.5 A	2.5 A	13 A
Number of Memory channels	1054 (1000 regular, 50 scan edges and 4 call channels)	1054 (1000 regular, 50 scan edges and 4 call channels)	529 (500 regular, 25 scan edges and 4 call channels)	208 (200 memory channels, 2 call channel and 6 scan edges)	1052 (1000 regular, 50 scan edges and 2 call channels)
Dimensions (W × H × D: Projections are not included)	Main unit: 150 × 40 × 172.6 mm Controller: 182.2 × 81.5 × 24.7 mm	61.1 × 121.6 × 34.8 mm with BP-272	58.0 × 111.0 × 33 mm with BP-272	52.2 × 111.8 × 30.3 mm with BP-280	Main unit: 150 × 40 × 151 mm Controller: 150 × 50 × 27.2 mm
Weight (approx.)	Main unit: 1.3 kg Controller: 260 g	330 g with antenna and BP-272	300 g with antenna and BP-272	278 g with BP-280 and antenna	Main unit: 1.2 kg Controller: 140 g
Output power (typical values)	High: 50 W Mid: 15 W Low: 5 W (at 13.8 V DC)	High: 5 W Mid: 2.5 W Low1: 1 W Low2: 0.5 W S-Low: 0.1 W	High: 5 W Mid: 2.5 W Low1: 1 W Low2: 0.5 W S-Low: 0.1 W	High: 5 W Mid: 2.5 W Low: 0.5 W	High: 50 W Mid: 15 W Low: 5 W
Sensitivity (FM at 12 dB SINAD, DV at 1% BER, guaranteed range)	DV Less than 0.28 µV FM/FM-N Less than 0.18 µV (144, 430 MHz bands)	DV Less than 0.2 µV FM/FM-N Less than 0.18 µV (144, 430 MHz bands)	DV Less than 0.2 µV FM/FM-N Less than 0.18 µV (144, 430 MHz bands)	FM/FM-N Less than 0.18 µV	FM/FM-N Less than 0.18 µV (144, 430 MHz bands)
Audio output power (at 10% distortion)	More than 2.0 W (8 Ω load)	More than 750 mW (Internal SP, 8 Ω load) More than 200 mW (External SP, 8 Ω load)	More than 750 mW (Internal SP, 8 Ω load) More than 200 mW (External SP, 8 Ω load)	1500 mW typ. (Internal SP, 8 Ω load) 450 mW typ. (External SP, 8 Ω load) 1500 mW typ. (HM-222HLWP, 8 Ω load)	More than 2.0 W (8 Ω load)
MIL-STD and IP Rating	MIL-STD-810-G	IPX7	IPX7	MIL-STD-810-G, IP67	MIL-STD-810-G

*1 Guaranteed range 144 ~ 146 and 430 ~ 440 MHz. *2 Guaranteed range 144 ~ 146, 430 ~ 434 and 435 ~ 438 MHz.



Specifications for Receivers

	IC-R8600	IC-R15	IC-R6
Frequency coverage (Differs according to version)	0.01 ~ 3000 MHz*3	76 ~ 108, 108 ~ 500 MHz	0.1 ~ 1309.995 MHz
Modes	USB, LSB, CW, FSK, AM, FM, WFM, D-STAR (DV), P25, NXDN, dPMR, DCR, S-AM	FM, WFM, AM	FM, WFM, AM
Frequency stability	Less than ±0.5 ppm (at 25°C after warm up)	±2.5 ppm (-20°C ~ +60°C on the basis of 25°C)	±1.0 ppm (at 25°C)
Maximum current drain	2.0 A at 13.8 V DC	380 mA typical at 3.6 V DC	130 mA typical at 3.0 V DC*4
Antenna connector	ANT1: Type-N (50 Ω), ANT2: SO-239 (50 Ω), ANT3: RCA (500 Ω)	SMA (50 Ω)	SMA (50 Ω)
Dimensions (W × H × D: Projections are not included)	220 × 90 × 230 mm	58 × 116 × 33.8 mm	58 × 86 × 29.8 mm
Weight (approx.)	4.3 kg	260 g with antenna and battery cells	200 g with antenna and battery cells
Sensitivity SSB, CW, RTTY, AM, FSK: at 10 dB S/N FM, WFM: at 12 dB SINAD D-STAR, NXDN, dPMR, DCR: at 1% BER P25: at 5% BER	SSB/CW/FSK (Preamp ON, BW: SSB/FSK=2.4 kHz, CW=0.5 kHz): 0.1 ~ 1.799 MHz 0.5 μV 1.8 ~ 29.999 MHz 0.2 μV 30 ~ 1999.999 MHz 0.32 μV 2000 ~ 3000 MHz 0.4 μV AM (Preamp ON, BW=6 kHz): 0.1 ~ 1.799 MHz 6.3 μV 1.8 ~ 29.999 MHz 2.5 μV 30 ~ 3000 MHz 5.6 μV FM (Preamp ON, BW=15 kHz): 28 ~ 1999.999 MHz 0.5 μV 2000 ~ 3000 MHz 0.63 μV WFM (Preamp ON, BW=180 kHz): 30 ~ 1999.999 MHz 1.4 μV 2000 ~ 3000 MHz 1.8 μV D-STAR (DV)/NXDN/dPMR/DCR (Preamp ON): 28 ~ 1999.999 MHz 0.79 μV 2000 ~ 3000 MHz 1 μV P25 (Preamp ON): 28 ~ 1999.999 MHz 0.56 μV 2000 ~ 3000 MHz 0.71 μV	FM: 108 ~ 249.995 MHz 0.4 μV 250 ~ 299.995 MHz 0.71 μV 300 ~ 500.000 MHz 0.56 μV WFM: 76 ~ 108.000 MHz 1.0 μV AM: 108 ~ 142.000 MHz 1.0 μV 222 ~ 249.995 MHz 1.0 μV 250 ~ 299.995 MHz 1.8 μV 300 ~ 400.000 MHz 1.4 μV	FM (typical): 1.625 ~ 4.995 MHz 0.32 μV 5 ~ 29.995 MHz 0.25 μV 30 ~ 469.995 MHz 0.18 μV 470 ~ 832.995 MHz 0.32 μV 833 ~ 1029.995 MHz 0.28 μV 1030 ~ 1309.995 MHz 0.35 μV WFM (typical): 76 ~ 108 MHz 1.1 μV 175 ~ 221.995 MHz 1.1 μV 470 ~ 770 MHz 1.8 μV AM (typical): 0.495 ~ 4.995 MHz 1.3 μV 5 ~ 29.995 MHz 0.89 μV 118 ~ 136 MHz 0.63 μV 222 ~ 246.995 MHz 0.63 μV 247 ~ 329.995 MHz 0.79 μV
Selectivity	SSB/FSK (BW=2.4 kHz): More than 2.4 kHz/-3 dB Less than 3.6 kHz/-60 dB CW (BW=500 Hz): More than 500 Hz/-3 dB Less than 700 Hz/-60 dB AM (BW=6 kHz): More than 6.0 kHz/-3 dB Less than 15.0 kHz/-60 dB FM (BW=15 kHz): More than 12.0 kHz/-6 dB Less than 25.0 kHz/-60 dB WFM: More than 180 kHz/-6 dB	AM, FM: More than 50 dB WFM: More than 35 dB	AM, FM: More than 12 kHz/-9 dB Less than 30 kHz/-60 dB WFM: More than 150 kHz/-6 dB
Audio output power (at 10% distortion)	More than 2.0 W (8 Ω load)	More than 400 mW (Internal SP, 8 Ω load) More than 120 mW (External SP, 8 Ω load)	150 mW (Internal SP, 16 Ω load) 80 mW typical (External SP, 8 Ω load)
MIL-STD and IP Rating	MIL-STD-810-G	IPX7	MIL-STD-810-F, IPX2

*3 Working range. Some frequency ranges are not guaranteed. *4 External SP, backlight OFF.
All stated specifications are subject to change without notice or obligation.



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