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.

HF/50 MHz Transceiver

IC-7760

eBook IC-7760 Technical Report

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, 5*3, 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*4
- 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 Depending on the version. Please refer to the Amateur Radio regulations in your country for the 5 MHz band operation.
*4 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, 5[*2], 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[*3]
- 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 Depending on the version. Please refer to the Amateur Radio regulations in your country for the 5 MHz band operation.
*3 At 2 kHz frequency separation.

NEW

HF/50 MHz Transceiver

IC-7300MK2

Class-Leading Compact HF Radio Evolved for Even More Excitement

- SSB, CW, RTTY, FM: 100 W, AM: 25 W
- 1.8, 3.5, 5[*1], 7, 10, 14, 18, 21, 24, 28, 50, 70[*2] MHz bands
- Touchscreen, 4.3 inch colour TFT
- RF direct sampling system
- Class leading real-time spectrum scope with waterfall display
- Improved class leading RMDR and phase noise characteristics
- RX-ANT connectors for BPF, preamps, and receiving antennas
- Remote control for RS-BA1 without a base station computer
- Built-in CW decoder • HDMI™ port for external display
- USB Type-C™ port with dual COM and audio
- APF (Audio Peak Filter) for CW signals
- One-touch FT8 mode preset

*1 Please refer to the Amateur Radio regulations in your country for the 5 MHz band operation.
*2 Depending on the version.

HF/50 MHz 1 kW Linear Amplifier

IC-PW2

1 kW Output at Full Duty Cycle Single Operator Two Radios (SO2R) 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
- Completely linked with Icom radio operation[*2]

*1 With IC-7760 and IC-7610.
*2 With IC-7760, IC-7610 and IC-7300MK2.

RS-PW2 Remote Control Software

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® and Bluetooth® capability
- GPS functions

AH-705
Optional HF/50 MHz Automatic Antenna Tuner

LC-192
Multi-function backpack

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

IC-905

D-STAR

RF unit

Controller

eBook IC-905 Development Philosophy and Commitment

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]
- Touchscreen, 4.3 inch colour TFT
- 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

*1 According to Icom research as of August 2024.
*2 1200 MHz and above.
*3 With the optional 10 GHz transverter, CX-10G.

Optional Transverter

CX-10G
10 GHz Transverter

Optional Antennas

Collinear antenna
AH-24 for 2400 MHz
AH-56 for 5600 MHz
AH-100 for 10 GHz

Parabolic antenna
AH-109PB for 10 GHz

The CX-10G can be installed in the back of the antenna.

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 Touchscreen, 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.

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-7300MK2, IC-905, IC-705, IC-9700, and IC-7100

RC-28 Remote Encoder

NEW

Desktop Microphone

SM-J1

Premium Dual-Elements Desktop Microphone

- Dual dynamic microphone elements deliver superior audio quality
- Directional pattern switch (unidirectional/omnidirectional)
- Compatible with 5/8-inch thread boom arms
- USB Type-C™ port for use as a PC microphone*
- Footswitch connector for hands-free PTT operation
- Manufacturer select switch
- Compatible with IC-7760, IC-7610, IC-7300MK2, IC-9700, and IC-718

Activates soon

* When connected to a PC with a USB cable, the microphone switches and keys are not activated.

NEW

HF/50 MHz Automatic Antenna Tuner

AH-6

Lightweight & Compact Antenna Tuner
Tunable 50 Ω Antenna and Long Wire Antenna

- 1.8 ~ 50 MHz band coverage with a long wire antenna*1
- SO-239 antenna connector for 50 Ω antennas such as verticals or yagis
- 2 ~ 3 seconds high-speed tuning
- IP54 dust-protection and water resistance
- Low power emission during tuning reduces interference to other stations
- 200-channel memory stores matching settings
- Same size as the AH-4 and 50 %*2 smaller than the AH-730
- Max. input: 120 W
- Compatible with IC-7760, IC-7610, IC-7300MK2, IC-7100, and IC-718

*1 Wire length requirements: 1.8 MHz band: 30 m or more, 3.5 MHz band and above: 7 m or more.
*2 Approximately

HF/50 MHz Automatic Antenna Tuner

AH-730

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

- 1.8 ~ 50 MHz band 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-7300MK2, IC-7100, and IC-718

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 and 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

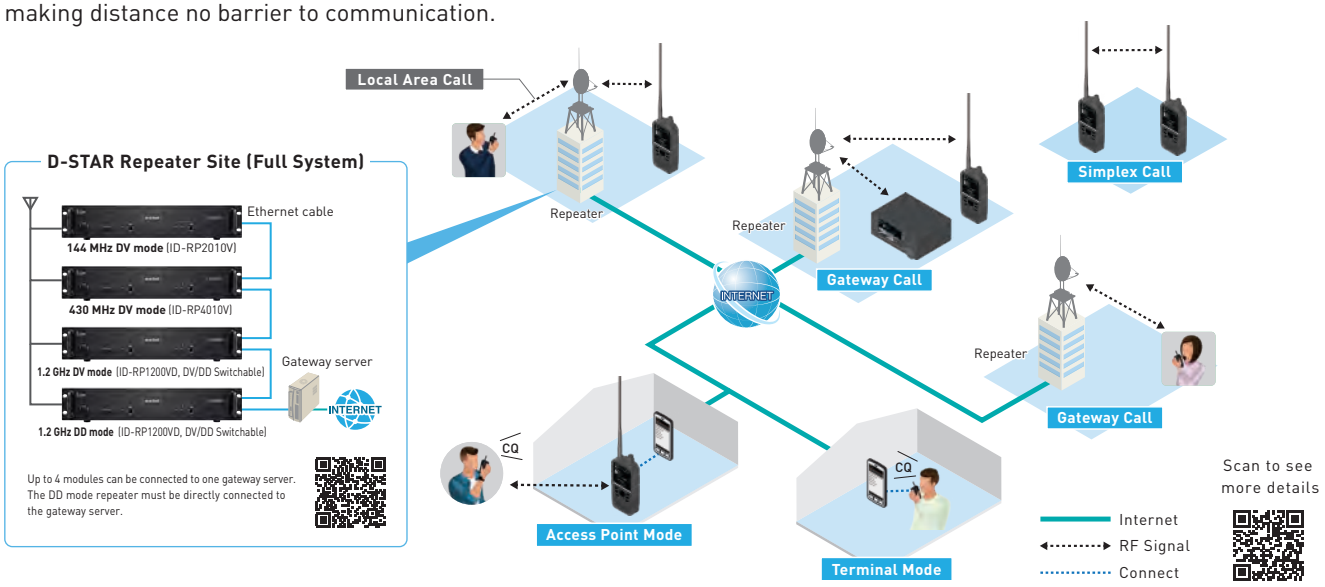
Compact D-STAR Dual bander Easy Functions and Smart Features

- 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.

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.



NEW

VHF/UHF Transceiver

ID-5200E

D-STAR

Multifunctional Flagship Mobile with a High Visibility Colour Display

- 50 W output (FM, FM-N, DV)
- 144 ~ 146, 430 ~ 440 MHz bands*1
- Touchscreen, 4.3 inch (480 × 272 pixels) colour display
- 118 ~ 174, 225 ~ 550 MHz receiver working range*1 (including VHF/UHF airband)
- V/V, U/U, V/U dualwatch including simultaneous DV/DV mode
- Built-in Wi-Fi® and Bluetooth® capability
- Band scope and memory scope with waterfall display
- Connect wirelessly for Terminal mode and Access Point mode
- DV repeater monitor function
- Internal Gateway function
- Picture sharing functions
- Integrated GPS receiver
- APRS (Automatic Packet Reporting System) support*2

Activates soon

*1 Depending on version.
*2 Available with a future firmware update.

VHF/UHF Transceiver

ID-5100E

D-STAR

D-STAR Dual Band Mobile with a Large Touchscreen Display

- 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
- Bluetooth® capability*2

*1 Depending on version.
*2 Optional UT-133A required.

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

Black Edition

White Edition

*Practical Dual Bander with Optional Bluetooth®*1*

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

Black Edition

White Edition

*1 Optional UT-133A required.
*2 Depending on version.

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 display
- Software demodulation in FPGA/DSP processing
- Remote control function through IP network or USB cable with RS-R8600
- RSSI (Received Signal Strength Indicator)
- I/Q signal output
- SD card slot for receiver recorder
- 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 MHz*1 wideband coverage
- 100 channels per second high-speed scan
- 15 hours of continuous receive capability*2
- 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.

BASE STATIONS AND MULTI-BAND RADIOS

	MODEL NAME	IC-7760	IC-7610	IC-7300MK2	IC-705
General	Frequency coverage (Differs according to version)	Tx: 135 kHz, 1.8, 3.5, 5*1*3, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands Rx: 30 kHz ~ 60 MHz*2	Tx: 135 kHz, 1.8, 3.5, 5*1*3, 7, 10, 14, 18, 21, 24, 28, 50 MHz bands Rx: 30 kHz ~ 60 MHz*2	Tx: 1.8, 3.5, 5*3, 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	±0.5 ppm (0°C ~ +50°C)	±0.5 ppm (0°C ~ +50°C)	±0.5 ppm (–10°C ~ +60°C)	±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, SMA	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 × 237.6 mm	200 × 83.5 × 82 mm
	Weight (approx.)	RF Deck: 15.8 kg, Control Head: 2.3 kg	8.8 kg	4.1 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 0.6 ~ 100 W 70 MHz 0.3 ~ 50 W AM: HF/50 MHz 0.125 ~ 25 W 70 MHz 0.075 ~ 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
Receiver	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
	Selectivity (Filter: SHARP)	SSB: (2.4 kHz) 2.4 kHz/–6 dB 3.6 kHz/–60 dB CW: (500 Hz) 500 Hz/–6 dB 700 Hz/–60 dB RTTY: (500 Hz) 500 Hz/–6 dB 700 Hz/–60 dB AM: (6 kHz) 6.0 kHz/–6 dB 15 kHz/–60 dB FM: (15 kHz) 12 kHz/–6 dB 20 kHz/–60 dB * Variable between 50 Hz and 3.6 kHz.	SSB: (2.4 kHz) 2.4 kHz/–6 dB 3.6 kHz/–60 dB CW: (500 Hz) 500 Hz/–6 dB 700 Hz/–60 dB RTTY: (500 Hz) 500 Hz/–6 dB 700 Hz/–60 dB AM: (6 kHz) 6.0 kHz/–6 dB 15 kHz/–60 dB FM: (15 kHz) 12 kHz/–6 dB 20 kHz/–60 dB * Variable between 50 Hz and 3.6 kHz.	SSB: (2.4 kHz) 2.4 kHz/–6 dB 3.4 kHz/–40 dB CW: (500 Hz) 500 Hz/–6 dB 700 Hz/–40 dB RTTY: (500 Hz) 500 Hz/–6 dB 800 Hz/–40 dB AM: (6 kHz) 6.0 kHz/–6 dB 10 kHz/–40 dB FM: (15 kHz) 12 kHz/–6 dB 22 kHz/–40 dB * Variable between 50 Hz and 3.6 kHz.	SSB: (2.4 kHz) 2.4 kHz/–6 dB 3.4 kHz/–40 dB CW: (500 Hz) 500 Hz/–6 dB 700 Hz/–40 dB RTTY: (500 Hz) 500 Hz/–6 dB 800 Hz/–40 dB AM: (6 kHz) 6.0 kHz/–6 dB 10 kHz/–40 dB FM: (15 kHz) 12 kHz/–6 dB 22 kHz/–40 dB DV (12.5 kHz spacing): –50 dB
	Spurious and image rejection	70 dB* * Except for ADC aliasing on 50 MHz band.	70 dB* * Except for ADC aliasing on 50 MHz band.	70 dB* * Except for ADC aliasing on 50 MHz band.	70 dB (HF/50 MHz)* 65 dB (144 MHz) 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)	2.0 W (8 Ω load)	2.0 W (8 Ω load)	2.5 W (8 Ω load)	530 mW (Internal SP, 12 Ω load) 200 mW (External SP, 8 Ω load)
US Military Standards and IP Rating		—	—	—	MIL-STD-810G

*1 Depending on version. *2 Some frequency ranges are not guaranteed. *3 Please refer to the Amateur Radio regulations in your country for the 5 MHz band operation. The 5 MHz band is only available depending on the version.

BASE STATIONS AND MULTI-BAND RADIOS

	MODEL NAME	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)*1	Tx: 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28 MHz band Rx: 30 kHz ~ 29.999 MHz*2	Tx: 1.8, 3.5, 7, 10, 14, 18, 21, 24, 28, 50, 70*1, 144, 430 MHz bands Rx: 30 kHz ~ 199.999 MHz, 400 ~ 470 MHz*2
	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	±65 ppb (Total deviation) GPS-Controlled Oscillator	±0.5 ppm (–10°C ~ +60°C)	±20 ppm (-10°C ~ +60°C)	±0.5 ppm (0°C ~ +50°C @ 430 MHz)
	Maximum current drain	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 × 2 (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*3, ATV*3: 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
Receiver	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
	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	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 70 dB AM/FM/DV 60 dB 1.2/2.4/5.6 GHz SSB/CW/AM/FM/DV/DD 50 dB	144/430 MHz SSB/CW 70 dB AM/FM/DV 60 dB 1200 MHz SSB/CW/AM/FM/DV/DD 50 dB	70 dB (1.8 ~ 29.999 MHz)	70 dB (HF/50/70 MHz) 65 dB (144/430 MHz) (Except 1/2 IF through on 50 MHz, IF through on 144 MHz)
	Audio output power (at 10 % distortion)	530 mW (Internal SP, 12 Ω load) 200 mW (External SP, 8 Ω load)	2.0 W (8 Ω load)	2.0 W (8 Ω load)	2.0 W (8 Ω load)
US Military Standards and IP Rating		RF Unit: IP55	—	MIL-STD-810G	—

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

D-STAR AND FM RADIOS

MODEL NAME	ID-5200E	ID-5100E	ID-52E PLUS
Frequency coverage (Differs according to version)	Tx 144 ~ 146, 430 ~ 440 MHz Rx 118 ~ 174, 225 ~ 550 MHz*1	Tx 144 ~ 146, 430 ~ 440 MHz Rx 118 ~ 174, 375 ~ 550 MHz*1	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
Modes	DV, FM, FM-N, AM (Rx only), AM-N (Rx only)	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)
Max. current drain	13 A	13 A	2.5 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)	1054 (1000 regular, 50 scan edges and 4 call channels)
Dimensions (W × H × D: Projections are not included)	Main unit: 150 × 40 × 171.5 mm Controller: 163 × 83.5 × 24.1 mm	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
Weight (approx.)	Main unit: 1.28 kg Controller: 260 g	Main unit: 1.3 kg Controller: 260 g	330 g with antenna and BP-272
Output power (typical values)	High: 50 W Mid: 15 W Low: 5 W (at 13.8 V DC)	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
Sensitivity (FM at 12 dB SINAD, DV at 1% BER, guaranteed range)	DV 0.18 µV FM/FM-N 0.18 µV (144, 430 MHz bands)	DV 0.28 µV FM/FM-N 0.18 µV (144, 430 MHz bands)	DV 0.2 µV FM/FM-N 0.18 µV (144, 430 MHz bands)
Audio output power (at 10% distortion)	2.5 W typ. (8 Ω load)	2.0 W (8 Ω load)	750 mW (Internal SP, 8 Ω load) 200 mW (External SP, 8 Ω load)
US Military Standards and IP Rating	—	MIL-STD-810G	IPX7

MODEL NAME	ID-50E	IC-T10	IC-2730E
Frequency coverage (Differs according to version)	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	Tx 144 ~ 146, 430 ~ 440 MHz Rx 118 ~ 174, 375 ~ 550 MHz*1
Modes	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	2.5 A	2.5 A	13 A
Number of Memory 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)	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.)	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: 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 0.2 µV FM/FM-N 0.18 µV (144, 430 MHz bands)	FM/FM-N 0.18 µV	FM/FM-N 0.18 µV (144, 430 MHz bands)
Audio output power (at 10% distortion)	750 mW (Internal SP, 8 Ω load) 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)	2.0 W (8 Ω load)
US Military Standards and IP Rating	IPX7	MIL-STD-810G, IP67	MIL-STD-810G

*1 Guaranteed range 144 ~ 146 and 430 ~ 440 MHz.

RECEIVERS

MODEL NAME	IC-R8600	IC-R15	IC-R6
Frequency coverage (Differs according to version)	0.01 ~ 3000 MHz*1	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	±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*2
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): 2.4 kHz/–3 dB, 3.6 kHz/–60 dB CW (BW=500 Hz): 500 Hz/–3 dB, 700 Hz/–60 dB AM (BW=6 kHz): 6.0 kHz/–3 dB, 15.0 kHz/–60 dB FM (BW=15 kHz): 12.0 kHz/–6 dB, 25.0 kHz/–60 dB WFM: 180 kHz/–6 dB	AM, FM: 50 dB WFM: 35 dB	AM, FM: 12 kHz/–9 dB, 30 kHz/–60 dB WFM: 150 kHz/–6 dB
Audio output power (at 10% distortion)	2.0 W (8 Ω load)	400 mW (Internal SP, 8 Ω load) 120 mW (External SP, 8 Ω load)	150 mW (Internal SP, 16 Ω load) 80 mW typical (External SP, 8 Ω load)
US Military Standards and IP Rating	MIL-STD-810G	IPX7	MIL-STD-810F, IPX2

*1 Working range. Some frequency ranges are not guaranteed. *2 External SP, backlight OFF.
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