

# Amateur HF

**ICOM**



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**PORTABLE COMMUNICATIONS, INC**  
"A Trusted Partner"

# 718

## HF All Band Transceiver

### SPECS

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Frequencies: RX 0.030-29.999999MHz\*  
TX 1.800-1.999999 MHz\*\*  
3.500-3.999999 MHz\*\*  
7.000-7.300000 MHz  
10.100-10.150000 MHz  
14.000-14.350000 MHz  
18.068-18.168000 MHz  
21.000-21.450000 MHz  
24.890-24.990000 MHz  
28.000-29.700000 MHz

\*Guaranteed 0.5-29.999999MHz

\*\*Varies according to version

Receiver System: Double conversion  
Modes: USB, LSB, CW, RTTY (FSK),  
AM  
Output Power: SSB, CW, RTTY, 2-100W;  
AM 2-40W  
DSP Type: AF (optional)  
Channels: 101 (99 regular, 2 scan edges)  
Weight: 8 lb 6 oz  
Number in Case: 2  
Warranty: 1 Year



### FEATURES

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One touch band switching  
Simple to use  
CW keyer built-in  
12V operation  
Direct frequency input  
VOX built-in  
Voice synthesizer optional (UT-102)  
General coverage receiver  
Front mounted speaker

### SUPPLIED ACCESSORIES

Microphone (HM36)  
DC power cable (OPC025A)  
Plug-in DSP (UT106)  
Owner's manual

# 7100

## HF/VHF/UHF Transceiver

### SPECS

Frequencies: RX 0.030-199.999, 400.000-470.000MHz\*  
TX 1.800-1.999; 3.500-3.999; 5.255-5.405\*; 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.990; 28.000-29.700; 50.000-54.000; 144.000-148.000; 430.000-450.000MHz  
\*Some frequency bands are not guaranteed

Receiver System: SSB/AM/FM/DV  
Modes: USB, LSB, CW, RTTY, AM, DV, FM, WFM (RX only)

Output Power (at 13.8V DC):

	HF/50MHz	144MHz	430/440MHz
SSB/CW.RTTF/FM/DV	2-100W	2-50W	2-35W
AM	1-30W	-	-

DSP Type: 32-bit floating point IF DSP  
Channels: 505 (495 regular, 4 call, 6 scan edges, 900 D-STAR repeater channels)  
Weight: Main unit 5.1 lb; Controller 1.1lb



### FEATURES

- Touch screen control portal
- Angled display
- D-STAR READY
- Digital features controlled by the IF DSP
- Built-in SD Card Slot for voice storage and data cloing
- Dual DSP chips deliver versatile digital processing performance
- Muilt-in RTTV demodulator and decoder
- Multi-function meter
- SWR graphic display
- DSP controller RF sspech compressor
- Voice recording and playback functions
- ±0.5ppm high frequency stability
- Optional RS-BA1 IP control remote control software

### SUPPLIED ACCESSORIES

- Hand microphone (HM198)
- DC power cable
- Separation cable (OPC2253)
- USB cable
- ACC cable (13-pin)
- CW keyer plug
- Spare fuses
- Ferrite bead
- Owner's manual

# 7200

## HF/50MHz Transceiver

### SPECS

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Frequencies:	RX 0.030-60.000MHz* TX 1.800-1.999; 3.500-3.999; 5.3305, 5.3465, 5.3665, 5.3715, 5.4035**; 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.990; 28.000-29.700; 50.000-54.000MHz *Guaranteed 0.5-29.7 and 50-54.000MHz **USB only
Receiver System:	Double conversion
Modes:	USB, LSB, CW, RTTY, (FSK), AM
Output Power:	SSB, CW, RTTY 2-100W; AM 1-40W
DSP Type:	IF 32 bit floating point DSP
Channels:	201 (199 regular, 2 scan edges)
Weight:	12.1 lb
Number in Case:	2
Warranty:	1 Year



### FEATURES

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- Digital IF filter with 51 passband widths
- AGC loop management
- Digital twin PBT
- USB port for PC Control
- Band stacking register
- CW carrier point (USB or LSB)
- Selectable digital filter shape CW & SSB
- Digital noise reduction and blanker
- Built-in 20dB attenuator
- Built-in voice synthesizer
- Preamplifier
- Dial lock
- Auto TS function
- 1Hz step tuning
- Quick split
- Quick set mode
- Power/SWR/ALC meter
- Rugged design for outdoor use
- Front facing speaker

### SUPPLIED ACCESSORIES

- Microphone (HM36)
- DC power cable (OPC1457)
- Spare fuses
- Owner's manual

# 7300

HF/50MHz Transceiver

## SPECS

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Frequencies:	RX	0.030-74.800MHz*
	TX	1.800-1.999; 3.500-3.999; 5.255-5.405; 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.990; 28.000-29.700; 50.000-54.000MHz
Receiver System:		Direct sampling superheterodyne
Modes:		SSB, CW, RTTY, AM, FM
Output Power:		100W (25W AM)
DSP Type:		FPGA
Channels:		101 (99 regular, 2 scan edges)
Weight:		9.26 lb
Number in Case:		2
Warranty:		1 Year



## FEATURES

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Approximately 97dB RMDR  
15 discrete band-pass filters  
Large touch screen with waterfall function  
Real-time spectrum scope  
Built-in automatic antenna tuner  
SD memory card slot for saving data  
Cooling fan system  
Multi-function meter  
CW functions: full break-in, CW reverse, CW auto tuning

## SUPPLIED ACCESSORIES

Microphone (HM219)  
DC power cable  
Spare fuses  
Owner's manual

# 9100

## HF/VHF/UHF Transceiver

### SPECS

Frequencies: **RX** 0.030-60.000\*; 136.000-174.000\*; 420.000-480.000\*; 1240.000-1320.000MHz\* \*\*  
**TX** 1.800-1.999; 3.500-3.999; 5.255-5.405\*; 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.999; 28.000-29.700; 50.000-54.000; 144.000-148.000; 430.000-450.000; 1240.000-1300.000MHz\*\*

\*Some frequency bands are not guaranteed.  
\*\*With optional UX-9100

Modes: USB, LSB, CW, RTTY (FSK), FM, AM\*, DV (with UT121)  
\*Transmit HF/50MHz only. Cannot receive on 1200MHz band.

Weight: 24.3lb  
Number in Case: 2  
Warranty: 1 Year



### Output Power:

	HF/50MHz	144MHz	440MHz	1200MHz <sup>1</sup>
SSB/CW/RTTY/FM/DV <sup>2</sup>	2-100W	2-100W	2-75W	1-10W
AM	2-30W	--	--	--

\*1 with UX-9100, \*2 with UT121

DSP Type: Double conversion superheterodyne  
Channels: 396 (99 for each HF/50, 144, 430/440, 1200MHz band), 4 Call (1 for each band), 24  
Scan Edges (6 for each band), 20 satellite and 50 GPS memories (with optional UX-9100)

### FEATURES

- Three Independent dual receivers
- 32-bit floating point DSP & 24-bit AD/DA converters
- AGC loop management
- Digital IF filter
- Digital twin PBT and IF shift
- Noise reduction/noise blanker
- RF speech compressor
- Adjustable transmit bandwidth
- Large multi-function LCD
- USB connector for PC control
- Built-in voice synthesizer
- 20dB built-in attenuator

### VHF/UHF Features

- Superb readability in VHF/UHF band
- VSC (Voice Squelch Control) Function
- AFC function (FM/DV mode)
- CTCSS and DTCS tone encoder and decoder
- 9600bps data socket
- Automatic repeater function and one-touch repeater function
- High efficiency power amplifiers/heat sink

### HF Features

- +30dBm class third-order intercept point
- Built-in 15kHz 1st IF filter
- RTTY demodulator and decoder
- Ample CW functions
- Built-in antenna tuner for HF/50MHz band
- Manual notch filter and auto notch filter
- Two preamplifier types
- Triple band stacking register

### Optional

- Ready-to-install 1200MHz band unit
- D-STAR DV mode
- CS9100 programming software
- RSBA1 IP remote control software

### SUPPLIED ACCESSORIES

- Hand microphone (HM36)
- DC power cable (OPC1457)
- Carrying handle (MB123)
- Electronic keyer plug
- ACC cable (13-pin) (8900006110)
- Spare fuses
- Owner's manual

# 7600

## HF/50MHz Transceiver

### SPECS

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Frequencies:	RX 0.030-60.000MHz* TX 1.800-1.999; 3.500-3.999; 5.3305, 5.3465, 5.3665, 5.3715, 5.4035**; 7.000-7.300; 10.100- 10.150; 14.000-14.350; 18.068- 18.168; 21.000-21.450; 24.890- 24.990; 28.000-29.700; 50.000- 54.000MHz *Some frequency ranges are not guaranteed. **Carrier point frequency. USB mode only.
Receiver System:	Double Conversion Superheterodyne
Modes:	USB, LSB, CW, RTTY, PSK31, AM, FM
Output Power:	SSB, CW, RTTY, PSK31, FM 2- 100W; AM 1-30W
Channels:	101 (99 regular, 2 scan edges)
Weight:	22.0lb
Number in Case:	1
Warranty:	1 Year



### FEATURES

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- Real-time, high resolution spectrum scope
- Dual watch RX (same band only)
- 5.8 inch ultra wide viewing TFT display, 400 x 240 resolution
- Three 1st IF (roofing) filters - 3kHz, 6kHz, 15kHz
- Digital notch filter
- Digital twin PBT
- Digital voice recorder controls
- RTTY/PSK31 encoder/decoder built in
- Triple band stacking register
- USB keyboard and USB flash drive connection (PC and software not required)
- 104dB dynamic range, +30dB, 3rd order intercept point in HF bands
- Dual AGC loops controlled by DSP
- Multi-function meter
- Built-in high-speed automatic antenna tuner
- Built-in memory keyer
- Microphone equalizer and adjustable transmit bandwidth
- RF speech compressor
- Two types of send relay settings – mechanical or FET switch
- Built-in 3-step RF attenuator (6, 12 and 18dB)
- High stability TCXO unit

### SUPPLIED ACCESSORIES

- Hand microphone (HM36)
- DC power cable (OPC1457)
- Carrying handle (MB121)
- CW key plug
- Spare fuses)
- Owner's manual



# 7700

## HF/50MHz Transceiver

### SPECS

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Frequencies:	RX 0.030-60.000MHz* TX 1.800-1.999; 3.500-3.999; 5.3305, 5.3465, 5.3665, 5.3715, 5.4035**; 7.000-7.300; 10.100- 10.150; 14.000-14.350; 18.068- 18.168; 21.000-21.450; 24.890- 24.990; 28.000-29.700; 50.000- 54.000MHz *Some frequency ranges are not guaranteed. **Carrier point frequency. USB mode only.
Receiver System:	Double conversion super- heterodyne system
Modes:	USB, LSB, CW, RTTY, PSK31, AM, FM
Output Power:	SSB, CW, RTTY, PSK31, FM: 5- 200W; AM: 5-50W
Channels:	101 (99 regular, 2 scan edges)
Weight:	49.6lb
Number in Case:	1
Warranty:	1 Year



### FEATURES

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- +40dBm IP3Dual watch RX (same band only)
- 7-Inch wide color TFT LCD
- Multi function spectrum scope
- Triple band stack registers
- Independent Digi-Sel controls
- Independent auto tune
- Digital voice recorder controls
- Retractable controls
- 200W output power
- Headphone jack
- Independent AGC settings
- 3 roofing filters - 3kHz, 6kHz, 15kHz
- Two USB ports to connect keyboard and/or memory stick

### SUPPLIED ACCESSORIES

- ACC plugs
- AC power cable (OPC510)
- Speaker plugs
- Rack mount handles
- Power plug
- Key and pin plug
- Spare fuses
- Owner's manual



# 7851

## HF/50MHz Transceiver

### SPECS

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Frequencies:	RX 0.030-60.000MHz* TX 1.800-1.999; 3.500-3.999; 5.3305, 5.3465, 5.3665, 5.3715, 5.4035**; 7.000-7.300; 10.100- 10.150; 14.000-14.350; 18.068- 18.168; 21.000-21.450; 24.890- 24.990; 28.000-29.700; 50.000- 54.000MHz *Some frequency ranges are not guaranteed. **Carrier point frequency..
Receiver System:	Double conversion super- heterodyne system
Modes:	USB, LSB, CW, RTTY, PSK31, AM, FM
Output Power:	SSB, CW, RTTY, PSK31, FM, AM 5 - 50W
Channels:	101 (99 regular, 2 scan edges)
Weight:	55lb
Number in Case:	1
Warranty:	2 Year



### FEATURES

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- 1.2kHz "optimum" roofing filter
- Dual scope function
- High resolution spectrum waterfall
- +40dBm IP37-Inch Wide Color TFT LCD
- Dual receivers
- Dual receive controls
- Multiple meter readouts
- Multiple spectrum displays
- Triple band stack registers
- Four 32 bit floating point DSP units
- Independent Digi-Sel controls
- Dual digital twin PassBand tuning
- More dual receive controls
- Dual VFO tuning knobs
- Independent auto tune
- Digital voice recorder controls
- Retractable controls
- 200W output power
- CF card slot
- Headphone jack
- Independent AGC settings
- 3 roofing filters - 3kHz, 6kHz, 15kHz

### SUPPLIED ACCESSORIES

- CF memory card
- AC power cable (built-in)
- Rack mount handles
- Spare fuses
- Plugs & connectors
- Owner's manual

# 78

## HF Transceiver for Export Only

### SPECS

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Frequencies:	RX 0.030-29.999999MHz** TX 1.6-29.999999MHz*** **Guaranteed range: 0.5-29.999999MHz ***Not Guaranteed for some frequency bands
Receiver System:	Double conversion
Modes:	USB, LSB, CW, RTTY (FSK), AM
Output Power:	SSB, CW, RTTY 2-100W; AM 2-40W
DSP Type:	None
Channels:	99 (Duplex) +1 (Call channel)
Weight:	8 lb 6 oz
Number in Case:	2
Warranty:	1 Year



### FEATURES

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- Durable, powerful construction
- Direct keyboard entry
- Large easy to read LCD
- Ample 99 channels with 8-digit channel name capability
- Superior basic performance
- Front mounted loud speaker
- High frequency stability
- Flexible filter selection
- VFO mode operation

### SUPPLIED ACCESSORIES

- Hand microphone (HM36)
- DC power cable (OPC025A)
- Spare fuses
- Owner's manual