



U.S. Amateur Radio Products Catalog

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American Communication Systems
Discover the Power of Communications™
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Handhelds



V86

VHF FM Handheld

SPECS

Frequencies:	144-148MHz
Modes:	FM
Output Power:	7.0W, 5.5W, 2.5W, 0.5W (High, Mid, Low)
Channels:	207 (200 alphanumeric, 1 call, 6 scan edges)
Waterproof Rating:	IP54 dust-and splash proof
Weight:	10g (w/BP298)
Numbers in Case:	10
Warranty:	1 Year



FEATURES

Built-in DTCS/CTCSS encode/decode and tone scan
Internal VOX function
PC programmable
Selectable volume level, VFO/memory channel selection control
Mil Spec 810 C, D, E, F, G

SUPPLIED ACCESSORIES

Antenna (FA45V)
Battery (BP298)
Belt clip (MB124)
Charger (BC240)
1 year warranty



IP54
DUST PROTECTION
& SPLASH PROOF

V86

VHF FM Handheld

Configurations

Model	Description
V86 12	2m 7W VHF handheld

Accessories

Model	Description
Antennas	
FAB45V	144-148MHz antenna
Batteries	
BP263	Battery case that holds 6 AA alkaline batteries
BP298	2250mAh li-ion battery
BP299	3150mAh li-ion battery for the V86
Belt Clips	
MB124	Alligator type belt clip
Chargers	
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC214N 27	Six unit charger for radios with the BP298/BP299 battery
BC240	Rapid charger for the V86
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
VS4LA	PTT switch cable to communicate using the HS94/95/97
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Software & Cables	
CSV86	USB programming software for the V86
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

T10

VHF UHF Dual Band Handheld

SPECS

Frequencies:	TX 144-148, 430-450MHz RX 136-174, 400-479MHz
Modes:	FM
Output Power:	5W/2.5W/0.5W
Channels:	208 (2 call and 6 scan edges)
Waterproof Rating:	IP67
Weight:	278g, 9.8oz (w/BP280)
Number in Case:	10



FEATURES

- Home button for calling channel access
- 1500mW loud audio
- PC programmable
- Up to 11 hours of operation
- 6-character channel name
- 16 DTMF autodial memories
- Priority, program, memory, skip, and tone scan
- Direct-conversion system eliminates IF stages

SUPPLIED ACCESSORIES

- Antenna (FASC270C)
- Battery (BP280)
- Belt clip (MB133)
- Rapid charger (BC213)
- AC adapter cable (BC242)
- Owner's manual
- Warranty: 1-year

T10

VHF UHF Dual Band Handheld

Configurations

Model	Description
T10 32 USA	5W VHF/UHF dual-band handheld

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
Batteries	
BP280	Li-ion 7.2V 2280mAh battery
Belt Clips	
MB133	Alligator type belt clip
Chargers	
AD149H	IC-T10 DC battery adapter, requires the CP-12L or OPC-254L
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)
BC214	Six bank charger with US plug AC adapter and cups installed
BC214E	Six bank charger with EURO plug AC adapter and cups installed
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

705

HF/50/144/440 MHz Multimode Handheld

SPECS

Frequencies:	RX 0.030–199.999*1, 400.000–470.000* TX 1.800–1.999 3.500–3.999 5.255– 5.405*1 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 50.000–54.000 144.000–148.000 430.000–450.000 * Some frequency bands are not guaranteed
Receiver System:	RF Direct Sampling at 0.030– 24.999 MHz Down Conversion IF Sampling at 25 MHz and above
Modes:	USB, LSB, CW, RTTY, AM, DV, FM, WFM (Rx only)
Output Power:	13.8V DC (10W SSB/CW/RTTY/FM/DV) (2.5W AM) 7.4V DC (5W SSB/CW/RTTY/FM/DV) (1.25W AM)
DSP Type:	FPGA
Channels:	529 (500 regular, 25 scan edges, 4 call)
Weight:	2.4lbs (Including BP272)
Number in Case:	4



FEATURES

- Real-time Spectrum Scope and Waterfall display
- D-STAR functions
- GPS location logging and internal clock synchronization
- Large 4.3" color touch screen
- Built-in Bluetooth™ and wireless LAN for smartphone linking and remote control
- MicroSD card slot: store user profiles, QSO recording, TX voice memory keyer, RTTY logging, GPS data, and screen captures

SUPPLIED ACCESSORIES

- Speaker microphone (HM243)
- Battery pack (BP273)
- DC power cable (OPC2421)
- Owner's manual
- Warranty: 1-year

705

HF/50/144/440 MHz Multimode Handheld

Configurations

Model	Description
705 42 USA	5-10W HF/6m/2m/70cm portable

Accessories

Model	Description
Antenna Tuners	
AH705	HF/6M automatic antenna tuner
Antennas	
AL705	QRP portable magnetic antenna
Batteries	
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)
BP307	Li-ion battery pack 7.2 V, 3 150 mAh (typ.)
Cables	
OPC2418	USB type-C to micro USB cable
OPC2421	DC power cable
OPC2474	Control cable (5m, 16.4 ft)
OPC2475	Coaxial cable (5m, 16.4 ft)
OPC2477	Control cable, 2m, 6.6 ft for AH-705 & IC-705
Carrying Cases	
LC192	Backpack for the IC-705 & IC-905
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC202IP3AC	Kit includes BC-202IP3L rapid charger with BC-123SA AC adapter
BC202IP3L	Rapid charger. Requires either BC123S, BC-228, or CP-25H.
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.
CP25H	Cigarette lighter cable to use with the BC-202IP3L rapid charger
Headsets	
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM243	Speaker microphone for the IC-705 & IC-905
Miscellaneous	
MBF705	Desktop tray for the IC-705 & IC-905
Software & Cables	
RS-BA1 V2 22	IP remote control software for amateur radios

ID50A

VHF UHF Dual Band Handheld

SPECS

Frequencies:	TX 144-148, 430-450MHz* RX (A band) 108-174, 375-479MHz (B band) 137-174, 375-479* Broadcast 88-108 *Guaranteed range 144-148, 440-450MHz
Modes:	DV, FM, FM-N, WFM AM, AM-N
Output Power:	5.0W
Channels:	500 MEMORY CHANNELS, 4 CALL CHANNELS, 25 SCAN EDGES, 100 skip channels, 500 broadcast stations, 2500 repeaters, 300 call signs, and 300 GPS memories
Waterproof Rating:	IPX7
Weight:	330g, 10.6oz (w/BP272 & FAS270C)
Number in Case:	10



FEATURES

- Waterfall display
- Dualwatch function
- Access point and terminal mode
- D-STAR repeater function
- D-STAR picture share
- Built-in GPS receiver
- MicroSD card slot
- USB Type-C™ connection
- QSO log in CSV data format
- Voice recorder function
- 750mW loud audio
- Weather channel receive

SUPPLIED ACCESSORIES

- Antenna (FAS270C)
- Battery (BP272)
- Belt clip (MB127)
- Hand strap
- Owner's manual
- Warranty: 1-year

IPX7

ID50A

VHF UHF Dual Band Handheld

Configurations

Model	Description
ID50A 15 USA	D-STAR dual-band handheld with waterfall display

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
Batteries	
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)
BP307	Li-ion battery pack 7.2 V, 3 150 mAh (typ.)
Belt Clips	
MB127	Alligator belt clip
Cables	
OPC2144	Right angle plug adapter cable to plug old straight pin connector headsets into (recommended to use with OPC478UC, not needed with OPC478UD when programming radios)
OPC2418	USB type-C to micro USB cable
OPC254L	Power supply cable; 10-14V DC required for high power output
Carrying Cases	
LC202 12	Carrying case for the ID-50A
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC167SA	Wall trickle charger; 100-240V with US style plug
BC202IP3AC	Kit includes BC-202IP3L rapid charger with BC-123SA AC adapter
BC202IP3L	Rapid charger. Requires either BC123S, BC-228, or CP-25H.
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.
CP12L 21	Cigarette lighter cable with noise filter and right-angle connector. For direct use on the ID-52A.
CP25H	Cigarette lighter cable to use with the BC-202IP3L rapid charger
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
OPC2006LS	Adapter plug with VOX and no PTT to use with the HS94/95/97
Microphones	
HM183LS	Waterproof compact speaker microphone (2-pin connector)
HM186LS	Compact speaker microphone with earphone jack (2-pin connector)
HM243LS 32	Speaker microphone for the ID-50A (2-pin connector)
SP40	Earphone with 3.5mm plug

ID50A

VHF UHF Dual Band Handheld

Accessories

Model	Description
Wire Kits	
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)
HM166LS	Earphone microphone with two pin right angle connector

ID52A

VHF UHF Dual Band Handheld

SPECS

Frequencies:	TX 144-148, 430-450MHz RX 430-450MHz* Broadcast 88-108 *Guaranteed range 144-148, 440-450MHz
Modes:	DV, FM, FM-N WGM*. AM*, AM-N*, *RX only
Output Power:	5W
Channels:	1000 memory channels, 4 call channels, 50 scan edges, 100 skip channels, 500 broadcast stations, 2500 repeaters, 300 call signs, and 300 GPS memories
Waterproof Rating:	IPX7
Weight:	330g, 11.6oz (w/BP272 & FAS270C)
Number in Case:	10



FEATURES

- Large color screen
- Bluetooth®
- Waterfall display
- Dualwatch function
- Access point and terminal mode
- D-STAR repeater function
- D-STAR picture share
- Built-in GPS/GLONASS receiver
- MicroSD card slot
- Micro USB connector
- Improved heat dissipation efficiency
- QSO log in CSV data format
- Voice recorder function
- 750mW loud audio
- Weather channel receive

SUPPLIED ACCESSORIES

- Antenna (FAS270C)
- Battery (BP272)
- Belt clip (MB127)
- Wall charger (BC167SA)
- Hand strap
- Owner's manual
- Warranty: 1-year

ID52A

VHF UHF Dual Band Handheld

Configurations

Model	Description
ID52A PLUS 45 USA	D-STAR dual-band handheld with full color display and USB Type-C™

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
Batteries	
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)
BP307	Li-ion battery pack 7.2 V, 3 150 mAh (typ.)
Belt Clips	
MB127	Alligator belt clip
Cables	
OPC2144	Right angle plug adapter cable to plug old straight pin connector headsets into (recommended to use with OPC478UC, not needed with OPC478UD when programming radios)
OPC2418	USB type-C to micro USB cable
OPC254L	Power supply cable; 10-14V DC required for high power output
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC167SA	Wall trickle charger; 100-240V with US style plug
BC202IP3AC	Kit includes BC-202IP3L rapid charger with BC-123SA AC adapter
BC202IP3L	Rapid charger. Requires either BC123S, BC-228, or CP-25H.
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.
CP12L 21	Cigarette lighter cable with noise filter and right-angle connector. For direct use on the ID-52A.
CP25H	Cigarette lighter cable to use with the BC-202IP3L rapid charger
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
OPC2006LS	Adapter plug with VOX and no PTT to use with the HS94/95/97
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM183LS	Waterproof compact speaker microphone (2-pin connector)
HM186LS	Compact speaker microphone with earphone jack (2-pin connector)
SP40	Earphone with 3.5mm plug
Wire Kits	
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)
HM166LS	Earphone microphone with two pin right angle connector

ID52A

VHF UHF Dual Band Handheld

Mobiles



V3500

144 MHz FM Mobile

SPECS

Frequencies:	TX: 136-174MHz Guaranteed range: 144-148MHz
Modes:	FM
Output Power:	65W/25W/10W/5W
Channels:	208 (200 alphanumeric memories, 1 call channel and 6 scan edges)
Weight:	2.4lb
Number in Case:	4
Versions:	Black screen White screen



FEATURES

- LCD screen with day and night modes
- 1500mW speakers
- Emergency call and speaker notification
- Built-in CTCSS and DTCS
- Dynamic backlink scan function
- 16 DTMF autodial memory channels
- Priority watch function
- Wide/narrow channel setting
- Power supply voltage setting
- Power supply voltage display
- Remote programming via microphone

SUPPLIED ACCESSORIES

- Remote control mic (HM133V)
- Mounting bracket kit
- Belt clip (MB133)
- DC power cable
- Spare fuses
- Owner's manual
- Warranty: 1-year

V3500

144 MHz FM Mobile

Configurations

Model	Description
V3500 65 USA	65W 144MHz FM mobile with white display
V3500B 85 USA	Mobile 2m 65W with black display

Accessories

Model	Description
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
OPC589	Microphone adapter cable (8 pin to RJ-45)
External Speakers	
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM133V	Standard partial function remote microphone (squellch only) 2300H/V8000
HM154	Simple microphone for Amateur mobile radios (RJ45)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)

2730A

VHF/UHF Dual Band Mobile

SPECS

Frequencies*:	Transmit: 144-148, 430-450MHz Receiver: 118-174, 375-550MHz *Guaranteed range: 144-148, 430-450MHz
Modes:	F2D, F3E
Output Power:	50/15/5W
Channels:	1052 (incl. 50 scan edges and 2 call)
Weight:	Main unit: 2.65lb Controller: 4.94oz
Number in Case:	5



FEATURES

- Black or white LCD (depending on version)
- Bluetooth® headset for hands free communication and remote control of the radio with three programmable buttons
- Multiple mounting options
- V/U, U/U simultaneous receive capability
- Independent controls for each band
- Durable PA module, 50W output power for VHF and UHF bands
- 104 DTCS and 50 CTCSS tone codes
- Split tone function allows you to encode and decode different CTCSS/DTCS tones
- Squelch delay and squelch attenuator
- Sub band auto mute function
- Sub band busy beep function
- Auto repeater functions
- Auto power off
- Time-out-timer
- 16 DTMF auto dial memories
- Weather channel receive with weather alert
- CI-V remote control capability

SUPPLIED ACCESSORIES

- Hand microphone (HM207)
- DC power cable (OPC345A)
- Controller cable (OPC837, 11.4ft)
- Microphone hanger
- Spare fuses
- Owner's manual
- Warranty: 1-year



2730A

VHF/UHF Dual Band Mobile

Configurations

Model	Description
2730A 35	VHF/UHF dual band transceiver w/white display
2730B 55 USA	VHF/UHF dual-band transceiver w/black display

Accessories

Model	Description
Cables	
OPC2500	2 m, 6.56 ft extension cable for HM-245
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
OPC589	Microphone adapter cable (8 pin to RJ-45)
Encryption & Internal Modules	
UT133	Bluetooth unit
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Headsets	
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM154	Simple microphone for Amateur mobile radios (RJ45)
HM207	Control hand microphone (ID-5100)
Mounting Hardware	
MB2730B	Base station mount (MBF4 + MBA4)
MBA4	Bracket to attach the controller to the main unit
MBF4	Mounting bracket for the ID5100
Remote Mounting	
MB2730R	Remote head kit w/mobile bracket (MBF4 + MBA5)
MB2730R1	Glass mount remote head kit w/mobile bracket (MBF1+MBF4+MBA5)
MBA5	Bracket to attach the controller to the MBF-1
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.
OPC1156	Remote head extension cable (3.5m)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)

ID5100A

D-STAR Dual Band Digital Mobile

SPECS

Frequencies:	TX 144-148, 430-450MHz RX 118-174, 375-550MHz
Type of Emission:	F2D, F3E, F7W
Modes:	FM, FM-N, DV, AM (receive only)
Output Power:	50W, 15W, 5W selectable
Channels:	1000 regular channels, 4 call channels, 50 program scan edges and 1200 repeater memories
Dimensions (W x H x D):	
Main Unit:	5.91x1.57x6.8in
Controller:	7.17x3.21x0.97in
Weight:	
Main Unit:	2.87lb
Controller:	9.17oz
Number in Case:	5



FEATURES

- Intuitive touch screen operation
- V/U, V/V, U/U Dual receive
- DV Dualwatch
- GPS receiver
- DV/FM Repeater list function
- Dplus reflector linking
- Built-in CTCSS/DTCS encoder and decoder
- Bluetooth options
- Send pictures over DV mode
- Menu-driven user interface
- Convenient memory contents management using CSV data format
- Speech function announces operating frequency, mode and received callsign (DV mode)
- Enhanced D-PRS functions with object, position, item and weather formats

SUPPLIED ACCESSORIES

- Hand microphone (HM-207)
- Controller cable (OPC1154A 3.5M; 11.4ft)
- Controller bracket (MBA-2)
- Microphone hanger
- CD (CS-5100 & instruction handbook PDF)
- Spare fuse
- Owner's manual
- Warranty: 1-year

ID5100A

D-STAR Dual Band Digital Mobile

Configurations

Model	Description
ID5100AD 15 USA	Dual band, 2m/70cm (144-148/420-450MHz), D-Star mobile radio with MBA-2 remote mounting bracket included

Accessories

Model	Description
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC1529R	Data cable (RS232 to 3.5mm)
OPC2500	2 m, 6.56 ft extension cable for HM-245
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
OPC589	Microphone adapter cable (8 pin to RJ-45)
Encryption & Internal Modules	
UT133	Bluetooth unit
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Headsets	
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM154	Simple microphone for Amateur mobile radios (RJ45)
HM207	Control hand microphone (ID-5100)
Mounting Hardware	
MBF4	Mounting bracket for the ID5100
Remote Mounting	
MBA2	Remote head mounting bracket for the ID5100A
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.
OPC1156	Remote head extension cable (3.5m)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)

HF



718

HF All Band Base Station

SPECS

Frequencies:	RX 0.030-29.999MHz*
	TX 1.800-1.999 MHz**
	3.500-3.999 MHz**
	7.000-7.300 MHz
	10.100-10.150 MHz
	14.000-14.350 MHz
	18.068-18.168 MHz
	21.000-21.450 MHz
	24.890-24.990 MHz
	28.000-29.700 MHz
	*Guaranteed 0.5-29.999MHz
	**Varies according to version
Receiver System:	Double conversion
Modes:	USB, LSB, CW, RTTY (FSK), AM
Output Power:	SSB, CW, RTTY, 2-100W; AM 2-35W
DSP Type:	AF (optional)
Channels:	101 (99 regular, 2 scan edges)
Weight:	8.4 lb 134.4 oz
Number in Case:	2



FEATURES

- FPGA digital filtering system
- One touch band switching
- Simple to use
- CW keyer built-in
- 12V operation
- Direct frequency input
- VOX built-in
- General coverage receiver
- Front mounted speaker

SUPPLIED ACCESSORIES

- Microphone (HM219)
- DC power cable
- Spare fuses
- Owner's manual
- Warranty: 1-year

718

HF All Band Base Station

Configurations

Model	Description
718 72 USA	100W HF transceiver with AF DSP

Accessories

Model	Description
Antenna Tuners	
AH730	Automatic antenna tuner, 1.8 – 54 MHz
Antennas	
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
8900022020	DC power cord with 25A fuse for 718/78/7300 (OPC2361)
OPC025D	12V DC power cord with 6-pin connector for HF radios (718/706MK2/G/756PRO/2)
OPC2321	Control cable adapter to 4 pin type for AH740
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector
External Speakers	
SP33	Base station speaker (4Ohm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM219	Hand microphone 7300/7610/9700
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Miscellaneous	
PW2 12 USA	HF + 50MHz, 1kW linear amplifier
Mounting Hardware	
MB23	Carry handle and mounting hardware for the IC-718/77/707/821H/R8500/R75

7100

HF/VHF/UHF Base Station

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.RTTT/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
Number in Case: 2

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 speech 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
- Warranty: 1-year

7100

HF/VHF/UHF Base Station

Configurations

Model	Description
7100 22 USA	HF/6m/2m/70cm mobile transceiver

Accessories

Model	Description
Antenna Tuners	
AH730	Automatic antenna tuner, 1.8 – 54 MHz
Antennas	
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
OPC1529R	Data cable (RS232 to 3.5mm)
OPC2321	Control cable adapter to 4 pin type for AH740
OPC589	Microphone adapter cable (8 pin to RJ-45)
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector
External Speakers	
SP33	Base station speaker (4Ohm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM151	Remote control microphone (7000/7100)
HM198	Hand microphone for 7100
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Miscellaneous	
PW2 12 USA	HF + 50MHz, 1kW linear amplifier
Mounting Hardware	
MB62	Main Unit mounting bracket for the 706 Series, 703 Series, 7000 & 7100
Remote Mounting	
MBA1	Controller bracket for 7100
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.
OPC2253	3.5m (11ft) separation cable
OPC2254	5m (16ft) separation cable
Software & Cables	
CS7100	Programming software for 7100
RC28	Remote control USB encoder
RS-BA1 V2 22	IP remote control software for amateur radios

7300

HF/50MHz Base Station

SPECS

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



FEATURES

- 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
- Warranty: 1-year

7300

HF/50MHz Base Station

Configurations

Model	Description
7300 02	HF/6m transceiver with an IF-DSP and internal ATU

Accessories

Model	Description
Antenna Tuners	
AH730	Automatic antenna tuner, 1.8 – 54 MHz
Antennas	
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
8900022020	DC power cord with 25A fuse for 718/78/7300 (OPC2361)
OPC2321	Control cable adapter to 4 pin type for AH740
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector
External Speakers	
SP33	Base station speaker (40hm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
SP38	5W external speaker for HF radios
SP41	5W external speaker for HF radios
Microphones	
HM219	Hand microphone 7300/7610/9700
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Miscellaneous	
PRC7300	Radio cover for the IC-7300
PW2 12 USA	HF + 50MHz, 1kW linear amplifier
Mounting Hardware	
MB118	Mounting bracket for the 7200/7300/9700
MB123	Carrying handle for 7300/9100/7410/9700
Software & Cables	
RC28	Remote control USB encoder
RS-BA1 V2 22	IP remote control software for amateur radios

7610

HF/50MHz Base Station

SPECS

Frequencies:	RX 0.030-60.000MHz* 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; 50.000-54.000MHz * Guaranteed range: 0.500-29.999, 50.000- 54.000 MHz **Some frequency bands are not guaranteed.
Receiver System:	Direct Sampling Superheterodyne
Modes:	USB, LSB, CW, RTTY, PSK31/63, AM, FM
Output Power:	SSB/CW/FM/RTTY/PSK: 1-100 W, AM: 1-25W
Channels:	101 (99 regular, 2 scan edges)
Weight:	18.7lb
Number in Case:	1



FEATURES

- 110dB RMDR to pull weak signals
- Independent dual receiver
- DIGI-SEL preselectors
- Digital-UP-Conversion (DUC) for clean TX
- Built-in automatic antenna tuner
- 7" color display with touch screen function
- Dual receivers, dual spectrum scopes
- SD card slot and USB port for saving data
- I/Q signal output

SUPPLIED ACCESSORIES

- Microphone (HM219)
- DC power cable
- Spare fuses
- Owner's manual
- Warranty: 1-year

7610

HF/50MHz Base Station

Configurations

Model	Description
7610 32 USA	100W HF/50MHz amateur radio base station

Accessories

Model	Description
Antenna Tuners	
AH730	Automatic antenna tuner, 1.8 – 54 MHz
Antennas	
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
OPC2321	Control cable adapter to 4 pin type for AH740
External Speakers	
SP33	Base station speaker (4Ohm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
SP38	5W external speaker for HF radios
SP41	5W external speaker for HF radios
Microphones	
HM219	Hand microphone 7300/7610/9700
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Miscellaneous	
PRC7610	Radio cover for the IC-7610
PW2 12 USA	HF + 50MHz, 1kW linear amplifier
Mounting Hardware	
MB121	Carrying handle for 7610
Software & Cables	
RC28	Remote control USB encoder
RS-BA1 V2 22	IP remote control software for amateur radios

7760

HF/50 MHz

SPECS

Frequencies:	RX 0.030 – 60.00 MHz TX 1.8 – 54, 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 MHz
Display Type:	7-inch touchscreen main display 2.4-inch touchscreen sub-display
Receiver Type:	Direct sampling superheterodyne
Modes:	USB, LSB, CW, RTTY, PSK31/63, AM, FM
Channels:	101, 99 regular, 2 scan edges
Output power:	HF/50 MHz SSB/CW/FM/RTTY/PSK: 1~200 W AM: 0.25~50 W
Weight:	RF deck: 15.8 kg, 34.8 lb Control head: 2.3 kg; 5.1 lb
Number in Case:	1
Warranty:	1 year



FEATURES

- Control head with separate RF deck
- Dual spectrum scope and waterfall
- Audio scope
- Dual speakers
- Dual independent receivers
- Advanced RF direct sampling system
- DIGI-SEL and preamp
- 15-separated bandpass filters
- Built-in automatic antenna tuner
- Automatic contest serial numbering
- Preset FT8 menu
- SD card slot
- I/Q signal output
- DVI-D connector
- Auto-repeat function
- CW auto tuning

SUPPLIED ACCESSORIES

- Control head
- AC power cable
- AC adapter (BC-267A)
- Ethernet cable (3.0 m, 9.8 ft)
- Desktop stand
- Plugs
- Owner's manual

7760

HF/50 MHz

Configurations

Model	Description
7760 12 USA	200W HF/50MHz base station w/remote control head

Accessories

Model	Description
BC267 17 USA	AC adapter for the RC-7760

Antenna Tuners

AH730	Automatic antenna tuner, 1.8 – 54 MHz
OPC1465	32.8ft shielded control cable from AT140 to M803

Cables

OPC2501 12	DPD feedback cable (3m, 9.8 ft)
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Controller

RC7760 22 USA	Remote controller for the IC-7760.
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External Speakers

SP33	Base station speaker (4Ohm)
SP41	5W external speaker for HF radios

Microphones

HM219	Hand microphone 7300/7610/9700
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function

Software & Cables

RC28	Remote control USB encoder
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9700

VHF/UHF Base Station

SPECS

Frequencies: 144.000-148.000, 430.000-450000, 1240.000-1300.000MHz
Modes: SSB, CW, RTTY, AM, FM, DV, DD
Number of channels: 107 (99 Simplex + 6 Program scan edges + 2 CALL) x 3 bands, 99 (Satellite), 2500 (DR function)

Output power:

HF/50MHz	144MHz	430/440MHz	1200MHz
SSB/CW/FM/RTTY/DV/DD	0.5-100W	0.5-75W	0.1-10W
AM	0.125-25W	0.125-18.75W	0.025-2.5W

Weight (approx): 10.4lb
Number in Case: 2



FEATURES

- RF direct sampling receiver for 2m and 70cm
- Down conversion for 23cm that is between 311-371MHz
- Supports CW/AM/SSB/SM/RTTY and D-STAR DV and DD modes
- Digital Data (DD) mode provides 128 kbps data communication
- D-STAR terminal and access point mode (RS-MS3A/W)
- Dual D-STAR receive (decodes two voice streams simultaneously)
- Intuitive 4.3" color touch screen display
- Real-time spectrum scope and waterfall display
- Full duplex operation/dual watch (no V/V or U/U Capability)
- Main or sub-band scope (Center/Fix mode +/-500KHz Center Mode)
- Independent receiver, full duplex operation
- Audio scope function
- Comprehensive menus for satellite operation
 - Normal and reverse tracking functions
 - AFC function
 - Up to 99 Satellite memory channels

SUPPLIED ACCESSORIES

- Hand microphone (HM219)
- DC power cable
- Owner's manual
- Warranty: 1-year

9700

VHF/UHF Base Station

Configurations

Model	Description
9700 12	VHF/UHF transceiver

Accessories

Model	Description
Cables	
OPC2350LU	Smart phone data cable
External Speakers	
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
SP38	5W external speaker for HF radios
SP41	5W external speaker for HF radios
Microphones	
HM219	Hand microphone 7300/7610/9700
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Mounting Hardware	
MB118	Mounting bracket for the 7200/7300/9700
MB123	Carrying handle for 7300/9100/7410/9700
Software & Cables	
RS-BA1 V2 22	IP remote control software for amateur radios

905

144/430/440/1200/2400/5600 MHz & 10 GHz Multi-band Base Station

SPECS

Frequencies 905:	144 - 148, 430 - 450, 1240 - 1300, 2300 - 2309.999999, 2390.000001 - 2450, 5650 -5925 MHz
Frequencies CX-10G:	10.000 - 10.500 GHz
Receiver System:	RF Direct Sampling: 144, 430/430440 MHz
	Down Conversion IF Sampling: 1200, 2400, 5600 MHz
	2400MHz Transverter + Down Conversion IF Sampling: 10GHz (w/CX-10G)
Modes:	USB, LSB, CW, RTTY, AM, DV, FM WFM (Rx only)
Output Power:	50W (VHF); 45W (UHF)
Channels:	500 memory, 50 scan edges, 2 call for each band
Weight (approx):	Controller unit: 940g, 2.1lb RF unit: 3.2kg, 7.1lb CX-10G: 13.4kg, 2.9lb
Number in Case:	4



FEATURES

- Color touch screen
- D-STAR functions
- GPS-controlled oscillator
- Power amp thermal protection function
- One-touch FT8 mode preset
- Optional CX-10G transverter for microwave communications
- Quick data mode setting for SSTV, RTTY, PSK31, JT65B, and FT8
- Real-time spectrum scope & waterfall
- Separate controller and RF unit
- SD card slot
- USB Type-C™ connection for PC and mobile connector

SUPPLIED ACCESSORIES

- Accessory connector
- DC power cable (OPC2488)
- GPS antenna
- Cushion sheet
- U-bolt clamp kit
- CW key plug
- Controller cable (5 m, 16.4 feet)
- Speaker-microphone (HM243)
- RF unit bracket kit
- Spare fuse
- Owner's manual
- Warranty: 1-year

905

144/430/440/1200/2400/5600 MHz & 10 GHz Multi-band Base Station

Configurations

Model	Description
905 12 USA	5 band multi-mode base, 2m, 70cm, 23cm, 13cm, 5cm

Accessories

Model	Description
Antennas	
AH100	Colinear antenna w/mount, 10GHz
AH109PB 12	Parabolic antenna w/mount, 10.0 - 10.5GHz
AH24	Colinear antenna w/mount, 2.4GHz
AH56	Colinear antenna w/mount, 5.6GHz
Cables	
OPC2513	Controller cable (20 m, 65.6 ft) for the IC-905
Carrying Cases	
LC192	Backpack for the IC-705 & IC-905
Microphones	
HM243	Speaker microphone for the IC-705 & IC-905
Miscellaneous	
CX-10G 15 USA	Transverter, 10.0 - 10.5GHz (0.5W)
MBF705	Desktop tray for the IC-705 & IC-905

PW2

HF/50 MHz 1 kW Linear Amplifier

SPECS

Frequencies:	1.9, 3.5, 7, 10, 14, 18, 21, 24, 50 MHz
Output power:	1kW (180 – 264 V AC), 500 W (90 – 32 V AC)
Weight:	22 kg, 48.5 lb
Warranty:	1

FEATURES

Size (W × H × D): 2.66 × 5.69 × 1.46 in.

Weight (approx.; except cables): 14.1 oz

Supplied accessories:

- 20ft connection cable (OPC1540)
- Mounting hardware for OPC1540
 - Connector cap (part#8930069360)
 - Five screws (part#8810010710)
 - C-plate (part#8930069220)
 - Mic hanger (part#8950006870)



SUPPLIED ACCESSORIES

ACC cable (3 m, 9.8 ft)	Mini plug cable (3 m, 9.8 ft)
Control cable (3 m, 9.8 ft)	Bracket for controller
Coaxial cable (3 m, 9.8 ft)	Front plate (for separated RF unit)

Configurations

Model	Description
PW2 12 USA	HF + 50MHz, 1kW linear amplifier

Accessories

Model	Description
Cables	
OPC2501 12	DPD feedback cable (3m, 9.8 ft)
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector

Receivers



R6

Handheld Receiver

SPECS

Frequencies:	0.100-1309.995MHz* *Blocked cellular frequency 824-849 and 869-894MHz **Unblocked for sale to Federal Government, export, or authorized end users only
Display Type:	LCD
Band Scope:	No
Receiver Type:	Triple conversion superheterodyne
Modes:	AM, FM, WFM
Channels:	1300 (50 scan edges and 200 auto memory write scan)
Auto Memory:	Yes
Alphanumeric Display:	6 Character
PC Programming:	Optional with CS-R6 software
PC Controllable:	Yes
Antenna Connector:	SMA
Weight:	7.1oz
Number in Case:	5



FEATURES

- Wideband coverage
- 100 channels per second high speed scan
- 15 hours of continuous receive capability
- VSC (Voice Squelch Control)
- 150mW audio output power
- Earphone cord antenna for AM aviation and FM broadcasts
- Duplex operation monitor
- Priority watch function
- Built-in audio low pass filter

SUPPLIED ACCESSORIES

- Antenna (FAS270C)
- Belt clip
- Hand strap
- Owner's manual
- Warranty: 1-year

R6

Handheld Receiver

Configurations

Model	Description
R6 SPORT 86 USA	Scanning receiver. Blocked version for consumer purchase. No supplied battery or charger. Requires 2 AA batteries.
R6E	Unblocked receiver for Federal/Export Only. No supplied battery or charger. Requires 2 AA batteries.

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
Microphones	
SP27	Acoustic tube earphone with a clip (3.5mm)
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Software & Cables	
CSR6	USB programming software for the R6
OPC478UD	USB programming cable (2-pin connectors handhelds)

R15

Handheld Receiver

SPECS

Frequencies:	A Band B Band BC Band
Display Type:	Full color LCD
Receiver Type:	Double conversion superheterodyne
Modes:	AM, FM, WFM, (F3E, A3E)
Channels:	2000 regular, 200 auto memory channels, 25 scan edges, 100 skip channels
Auto Memory:	Yes
PC Programming:	Yes
Waterproof rating:	IPX7
Weight:	9.17oz
Number in Case:	10
Warranty:	1 year



FEATURES

Wideband coverage
Dualwatch
150 channels per second scan speed
Simple Mode function
SCAN and SKIP buttons
Record and playback audio function
Bluetooth®
VSC (Voice Squelch Control) function

SUPPLIED ACCESSORIES

Antenna (AS270C)
Battery (BP287)
Belt clip (MB127)
USB Type-C™ charging cable (OPC2480)
Hand strap
Owner's manual

R15

Handheld Receiver

Configurations

Model	Description
R15 15 USA	Portable receiver, 108-500 MHz, AM, FM, WFM

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
Batteries	
BP287	2800mAh li-ion 7.2V battery
Belt Clips	
MB127	Alligator belt clip
Chargers	
BC223	Rapid charger for R30; 100-240V with a US style plug
BC258A	USB AC adapter
Microphones	
SP40	Earphone with 3.5mm plug

R8600

Base Station Receiver

SPECS

RX Frequencies:	10kHz – 3GHz Decodes digital including P25, NXDN™, D-STAR RX analog including USB, LSB, FSK, CW, AM, S-AM, FM & WFM
Channels:	2000 with 100 groups 100 scan skip channels 50 pairs scan edges
Versions:	Cellular frequencies blocked or unblocked
Number in Case:	2



FEATURES

Bandpass filters:
11 in the HF bands
13 in the VHF/UHF bands

FPGA processing provides clarity and accuracy of received signals

Real-time spectrum scope

Waterfall screen

4.3" color display

Touch screen function

RSSI

SD card slot for received log, decode log and voice recording

Screen capture function saves a screen shot in PNG or BMP format

I/Q signal output for use with future firmware upgrade and third-party SDR software and/or external decoding

Remote control function through IP network of USB cable

Scans up to 100 channels per second in memory scan mode

Three antenna connectors: SO-239, photo (RCA), type-N

Clock and NTP FUNCTION

Center tuning meter and digital auto frequency control (AFC) for FM, WFM and digital modes

Voice synthesizer function

Audio tone functions: HPF/LPF, bass, treble and de-emphasis

Decode multiple digital code used in digital mode

IP+ function improves 3rd order intercept point performance

Main dial friction adjustment

Dial lock and panel lock

CI-V remote control commands

SUPPLIED ACCESSORIES

DC power cable
Plugs and fuses
Owner's manual
Warranty: 1-year

R8600

Base Station Receiver

Configurations

Model	Description
R8600 12 USA	Blocked super wideband 10 kHz to 3 GHz communication receiver
R8600 14 USA	Unblocked super wideband 10 kHz to 3 GHz communication receiver

Accessories

Model	Description
RSR8600 22 EXP	Remote control software - USB drive

Antennas

AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.
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Chargers

AD55NS	100-240V power supply for the R8600 with a US plug
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External Speakers

SP39AD	External speaker with 15V/2A power supply for the R8600
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Mounting Hardware

MB123	Carrying handle for 7300/9100/7410/9700
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Software & Cables

CSR8600	USB programming software for the R8600
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Repeaters



D-STAR REPEATERS

Third-Generation D-STAR Repeater

SPECS

Frequencies:	144-148, 440-450, 1240-1300
Modes:	FM/DV/DD
Output Power:	ID-PR2010V:25W ID-RP4010V 25W ID-RP1200VD: 10W
Size:	19-inch rack mount, 2U height
Weight:	13.2 lbs
Number in Case:	1



FEATURES

- DD mode operation (ID-RP1200VD only)
- Mixed mode operation
- LTE capable
- RF direct sampling and FPGA platform
- High duty cycle operation
- CW ID/Voice ID transmitter
- SD card slot for firmware updates, save setting data, FM mode, and Voice ID

SUPPLIED ACCESSORIES

- DC power cable (3m, 9.8ft)
- Ethernet cable (0.6m, 2.0 ft)
- USB cable (1m, 3.2 ft)
- Fuses
- Rubber stands
- Allen wrench
- Warranty: 1-year

D-STAR REPEATERS

Third-Generation D-STAR Repeater

Configurations

Model	Description
IDRP1200VD 31	25W, 1240-1300 MHz D-STAR repeater, 2U height DV/DD/FM modes.
IDRP2010V 31	25W, 144-148 MHz D-STAR repeater, 2U height DV/FM modes.
IDRP4010V 31	25W, 440-450 MHz D-STAR repeater, 2U height DV/FM modes.

Accessories

Model	Description
Software & Cables	
RSRP3 G3	Gateway software

Discontinued Radios



7851

HF/50MHz Base Station is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
External Speakers	
SP33	Base station speaker (40hm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
SP38	5W external speaker for HF radios
SP41	5W external speaker for HF radios
Microphones	
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Software & Cables	
RC28	Remote control USB encoder
RS-BA1 V2 22	IP remote control software for amateur radios

2300H

2M Mobile Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
OPC589	Microphone adapter cable (8 pin to RJ-45)
External Speakers	
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM133V	Standard partial function remote microphone (squellch only) 2300H/V8000
HM154	Simple microphone for Amateur mobile radios (RJ45)
Software & Cables	
CS2300H	USB programming software for the 2300H
OPC478UD	USB programming cable (2-pin connectors handhelds)

V80 Sport

VHF FM Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Batteries	
BP263	Battery case that holds 6 AA alkaline batteries
BP265	Li-ion 7.4V 1900mAh
Belt Clips	
MB124	Alligator type belt clip
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
OPC2004	Adapter plug to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

ID31A & ID51A

ID31A & ID51A are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
Batteries	
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)
Belt Clips	
MB127	Alligator belt clip
Cables	
OPC2144	Right angle plug adapter cable to plug old straight pin connector headsets into (recommended to use with OPC478UC, not needed with OPC478UD when programming radios)
OPC2350LU	Smart phone data cable
OPC254L	Power supply cable; 10-14V DC required for high power output
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC167SA	Wall trickle charger; 100-240V with US style plug
CP12L 21	Cigarette lighter cable with noise filter and right-angle connector. For direct use on the ID-52A.
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
OPC2006LS	Adapter plug with VOX and no PTT to to use with the HS94/95/97
OPC2328	Adapter plug with PTT to to use with the HS94/95/97
Microphones	
HM183LS	Waterproof compact speaker microphone (2-pin connector)
HM186LS	Compact speaker microphone with earphone jack (2-pin connector)
SP40	Earphone with 3.5mm plug
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Wire Kits	
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)
HM166LS	Earphone microphone with two pin right angle connector

ID4100A

D-Star Dual Band Digital Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Cables	
OPC1529R	Data cable (RS232 to 3.5mm)
OPC2350LU	Smart phone data cable
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
OPC589	Microphone adapter cable (8 pin to RJ-45)
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Headsets	
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM154	Simple microphone for Amateur mobile radios (RJ45)
HM232	Hand microphone for ID4100
Mounting Hardware	
MBF4	Mounting bracket for the ID5100
Remote Mounting	
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.
OPC1156	Remote head extension cable (3.5m)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)

9100

HF/VHF/UHF Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Antennas	
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
OPC1529R	Data cable (RS232 to 3.5mm)
OPC2321	Control cable adapter to 4 pin type for AH740
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector
External Speakers	
SP33	Base station speaker (40hm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Mounting Hardware	
MB123	Carrying handle for 7300/9100/7410/9700
Software & Cables	
CS9100	USB programming software for the 9100
RC28	Remote control USB encoder
RS-BA1 V2 22	IP remote control software for amateur radios

T70A

VHF/UHF FM Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
Batteries	
BP263	Battery case that holds 6 AA alkaline batteries
BP265	Li-ion 7.4V 1900mAh
Belt Clips	
MB124	Alligator type belt clip
Cables	
OPC254L	Power supply cable; 10-14V DC required for high power output
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug
CP12L 21	Cigarette lighter cable with noise filter and right-angle connector. For direct use on the ID-52A.
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Microphones	
SP27	Acoustic tube earphone with a clip (3.5mm)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)

7200

HF/50MHz Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Antennas	
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
OPC2321	Control cable adapter to 4 pin type for AH740
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector
External Speakers	
SP33	Base station speaker (40hm)
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
SM30	Compact desktop microphone with low cut function
SM50	Desktop unidirectional microphone with up/down switches and low cut function
Mounting Hardware	
MB118	Mounting bracket for the 7200/7300/9700
Software & Cables	
RC28	Remote control USB encoder
RS-BA1 V2 22	IP remote control software for amateur radios

92AD

Dual Band Handheld Transceiver is discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description
Antennas	
3310002150	(FAS270C) Wideband RX antenna (SMA)
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
Cables	
OPC254L	Power supply cable; 10-14V DC required for high power output
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC167SA	Wall trickle charger; 100-240V with US style plug
CP12L 21	Cigarette lighter cable with noise filter and right-angle connector. For direct use on the ID-52A.
Microphones	
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)



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