



U.S. Avionics Retail Product & Price Catalog

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Handhelds



A14

VHF Air Band Transceiver

SPECS

Frequencies:

Tx (COM) 118.000-136.975MHz

Rx (COM,NAV) 108.000-136.975MHz

(Weather) 161.650-163.275MHz

Output Power: 5.0/1.5W typ. (PEP/CW)

Channels: 200

Channel Spacing: 25kHz

Display: 8 character alphanumeric

Mode: AM (6K00A3E)

FM (16K0G3E)

Mil Spec: MIL 810 C,D,E,F

Waterproof Rating: IPX4 splash proof

Weight: 12.3 oz (with BP232H)



FEATURES

Made with the student pilot in mind

700mW loud audio

Compact, light weight and rugged body

Large capacity Lithium-Ion battery pack

Side tone function allows you to hear your own voice via a third party aviation headset

LCD backlight for night time operation

ANL (Auto Noise Limiter) for noise reduction

Low battery indication and beep alert

Adjustable microphone gain setting

BNC type antenna connector

Slide tone

Tag scanning

NOAA marine weather channels

COMES WITH

Battery (BP232H)

Charger (BC160)

AC adapter (BC123SA)

Belt clip (MB94)

Antenna (FAB02AR)

Handstrap

Owner's manual

Warranty: 3-Year



A14

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A14	200 channel radio with full DTMF keypad	\$399.00

Accessories

Model	Description	MSRP
Antennas		
ANT SB	Avionic switchbox	\$115.00
FAB02AR	Standard antenna for Aviation handheld radios	\$37.00
Batteries		
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)	\$75.00
BP261	Battery case that holds 6 AA alkaline batteries	\$73.00
Belt Clips		
MB93	Swivel belt clip	\$11.00
MB94	Alligator belt clip	\$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$18.00
MB96F	Leather belt hanger. Use with the MB103/Y, MB94 or MB98.	\$35.00
MB96N	Swivel belt hanger. Use with the MB103/Y, MB94 or MB98.	\$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$26.00
OPC656	DC power cable for BC121N or BC197 gang chargers	\$12.00
Carrying Cases		
LCF3021T CLIP	Leather carrying case with a clip and cutout for display and keypad	\$45.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	\$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	\$23.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$26.00
BC145SA 31	AC adapter for BC119N; 100-240V with US style plug	\$25.00
BC147SA 14	AC adapter for trickle chargers; 100-240V with a US style plug	\$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	\$16.00
BC157S	AC adapter for the BC121N/BC197 chargers; 100-240V with US style plug	\$120.00
BC157SE	AC adapter for the BC121N/BC197 chargers; 100-240V with Euro style plug	\$126.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	\$67.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	\$67.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	\$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	\$510.00
CP22	Cigarette lighter cable with DC-DC converter for use with the BC179 for the A14/S. 12-24V DC input available.	\$69.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$35.00
MB130	Vehicle charger bracket designed to hold a rapid charger allowing battery to charge in vehicle. Requires charger & CP. Will not work with the BC119N.	\$83.00

A14

VHF Air Band Transceiver

Accessories

Model	Description	MSRP
Headsets		
PA OPC499	Headset adapter	\$60.00
PTT SW	Avionic PTT switch. Plugs into your headset.	\$28.00
Manuals		
94415339	A14/A14S service manual - CD	\$28.97
97715337	A14/A14S service manual hardcopy	\$40.16
98815338	A14/S owner's manual	\$17.12
Programming Software & Cables		
CSA14	Programming software for the A14/A14S	\$77.00
OPC474	Radio to radio cloning cable (3.5mm to 3.5mm)	\$20.00
OPC478	PC to handheld programming cable with RS-232S connector for radios with 2-pin connectors	\$60.00
OPC478UC	PC to handheld programming cable with USB connector for radios with 2-pin connectors	\$70.00

A24 / A6

VHF Air Band Transceiver

SPECS

Frequencies:

Tx (COM) 118.000-136.975MHz

Rx (COM,NAV) 108.000-136.975MHz

(Weather) 161.650-163.275MHz

Output Power: 5.0/1.5W typ. (PEP/CW)

Channels: 200 (20 Channels X 10 banks)

Channel Spacing: 25kHz

Mode: AM (6K00A3E)

WX FM (16K0G3E)

Mil Spec: MIL 810 F

Also meets equivalent MIL-STD-

810-C, -D and -E

Weight (approx): 15.2 oz (with BP210N)



FEATURES

Made with the student pilot in mind

700mW loud audio

Compact, light weight and rugged body

Durable Ni-MH battery pack

Side tone function allows you to hear your own voice via a third party aviation headset

LCD backlight for night time operation

ANL (Auto Noise Limiter) for noise reduction

Low battery indication and beep alert

Adjustable microphone gain setting

BNC type antenna connector

Supplied Accessories

Battery pack (BP210N)

Belt clip (MB103)

Wall charger (BC167S)

Antenna (FAB02AR)

Carrying case LC159 (Not included in A6)

Headset adapter (OPC499)

Handstrap

Owner's manual

Warranty: 3-Year



A24 / A6

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A24 01	Air band 5W handheld transceiver with VOR navigation	\$555.00
A6	Air band 5W handheld with large display; COMM ONLY	\$475.00

Accessories

Model	Description	MSRP
Antennas		
ANT SB	Avionic switchbox	\$115.00
FAB02AR	Standard antenna for Aviation handheld radios	\$37.00
Batteries		
BP208N	Battery case that holds 6 AA alkaline batteries.	\$22.00
BP210N	NiMH 7.2V 1650mAh battery	\$75.00
Belt Clips		
MB103	Alligator belt clip	\$12.50
MB86	Swivel belt clip that screws into back of radio	\$11.00
MB96F	Leather belt hanger. Use with the MB103/Y, MB94 or MB98.	\$35.00
MB96N	Swivel belt hanger. Use with the MB103/Y, MB94 or MB98.	\$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$26.00
OPC656	DC power cable for BC121N or BC197 gang chargers	\$12.00
Carrying Cases		
LC159	Leather carrying case for the A6/A24	\$43.00
Chargers		
AD101	Adapter cup for the BC119N or BC121N for the BP210N & BP211 batteries	\$28.00
AD94 11	Adapter cup for the BC119N or BC121N for the BP209N/BP210N batteries	\$28.00
BC145SA 31	AC adapter for BC119N; 100-240V with US style plug	\$25.00
BC157S	AC adapter for the BC121N/BC197 chargers; 100-240V with US style plug	\$120.00
BC157SE	AC adapter for the BC121N/BC197 chargers; 100-240V with Euro style plug	\$126.00
BC167SA	Wall trickle charger; 100-240V with US style plug	\$35.00
BC167SD	Wall trickle charger; 100-240V with Euro style plug	\$40.00
CP20	Cigarette lighter cable with noise filter and DC-DC converter. Charges the BC167 with a 12V/24V cigarette lighter socket.	\$61.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$35.00
Headsets		
PA OPC499	Headset adapter	\$60.00
PTT SW	Avionic PTT switch. Plugs into your headset.	\$28.00
Manuals		
94414904	A24/A6 CD service manual	\$0.00
97714915	A6/A24 service manual hardcopy	\$38.32
98814945	A24/A6 owner's manual	\$16.73

A24 / A6

VHF Air Band Transceiver

Accessories

Model	Description	MSRP
Programming Software & Cables		
CSA24	A24 Cloning Software	\$65.00
OPC474	Radio to radio cloning cable (3.5mm to 3.5mm)	\$20.00
OPC478	PC to handheld programming cable with RS-232S connector for radios with 2-pin connectors	\$60.00
OPC478UC	PC to handheld programming cable with USB connector for radios with 2-pin connectors	\$70.00

Mobiles / Panel Mounts



A120

VHF Air Band Transceiver

SPECS

Frequencies:	118.000-136.992MHz
Output Power:	36W typ. (P.E.P.)
Channels:	200 with 12 character channel names
Channel Spacing:	8.33/25kHz
LCD Display:	Dot-matrix with alphanumeric icons & characters
Waterproofing:	IP54 dust protection & water resistant
Mil Spec:	810 C, D, E, F, G
Weight (approx):	3 lb 3 oz



FEATURES

- Active Noise Cancelling (ANC) reduces background noises
- Optional Bluetooth® board to connect to Bluetooth® headsets
- Program channels from the front panel
- ON-hook scan
- Dual watch
- Side tone function
- Dual watch and priority scan functions
- Compatible with both 12V and 24V systems
- Power on password protection
- CI-V commands for external control
- Connect with other radio devices with the VEPG3 RoIP gateway

COMES WITH

- Hand microphone (HM216)
- DC power cable
- Mounting bracket
- Microphone hanger kit
- Fuses
- Owner's manual
- Warranty: 2-Year



A120

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A120	Airband mobile with 200 channels with open VFO, 8.33/25kHz	\$1,559.00
A120B	A120 with 120V power supply and cabinet for base station	\$1,804.00
A120BE	A120 with 220V power supply and cabinet for base station	\$1,841.00

Accessories

Model	Description	MSRP
Antennas		
ANT SB	Avionic switchbox	\$115.00
B ANT	Base station antenna 118.8-126.8MHz with 50' 4" cable for Avionic mobile units.	\$365.00
K220A	Aviation mobile antenna with a magnetic mount	\$75.00
K220C	Aviation mobile antenna with a rooftop hole mount	\$60.00
Cables		
OPC2275	5m audio connection cable between the VEPG3 and the F5061/D series or A120 (RJ-45 modular plug connector with speaker plug).	\$150.00
OPC344	A110/A120 power cord	\$16.00
Encryption & Internal Modules		
UT133	Bluetooth unit	\$99.00
External Speakers		
SP30	20W large external speaker	\$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$60.00
Headsets		
OPC871A	Headset adapter A120/A110	\$154.00
PTT SW	Avionic PTT switch. Plugs into your headset.	\$28.00
VS3	Bluetooth pendant earpiece microphone w/PTT	\$149.00
Microphones		
HM216	Standard microphone for A120	\$47.00
HM217	Microphone with built-in speaker and front panel includes up/down buttons and two programmable buttons (P1/P2)	\$100.00
SM26	Desktop microphone with monitor switch for mobile radios	\$90.00
Miscellaneous		
VEPG3	ROIP gateway	\$1,900.00
Mounting Hardware		
MB99A	Wall mounting bracket VEPG3/IP1000C	\$65.00
Power Supplies		
ICT ICO11	120V power supply and cabinet for base station use for A120	\$200.00
ICT ICO11 220V	220V power supply and cabinet for control station use for A120	\$230.00
Programming Software & Cables		
CSA120	Programming software A120	\$90.00
OPC478UC	PC to handheld programming cable with USB connector for radios with 2-pin connectors	\$70.00
OPC592	Programming cloning cable for PC to radio (must use with OPC-478/UC)	\$17.00

A120

VHF Air Band Transceiver

A220

VHF Air Band Transceiver

SPECS

Frequencies:

TX/RX 8.33kHz	118.000-136.992MHz
25kHz	118.000-136.975MHz
RX Weather channel	161.650-163.275MHz

Frequency spacing: 8.33kHz/25kHz

Output Power: 8W typical (carrier power)

Channels: 20 regular memory
50 (10 Ch x 5 groups) group memory
10 GPS, 10 weather
10 auto stack memory

Display: Organic light emitting diode (OLED)

Mil Spec: 810 C, D, E & F

Scan: VFO

Weight (approx): 2.2 lb

Versions: Radio without TSO approval
Radio with TSO approval



FEATURES

TSO version meets RTCA-160G requirements for use in strict environments. The A220T can be used for a primary VHF radio in general aviation (part 23) class aircraft and is accepted for ETSO approval under the TSO/ETSO reciprocal acceptance policy.

Automatic squelch function

White OLED display with white key backlight

Easy channel selection

GPS memory function*

12V/24V DC power source

Intercom functions

D-sub 25-pin industry standard connector for easy installation

Two types of menu mode: setting menu and configuration menu

One touch access to 121.5MHz emergency frequency

Side tone function for monitoring your voice with headset

ANL (Automatic noise limiter) function reduces pulse type noise

Remote control capability

Time-out-timer

PC programming capability*

Dial lock and panel lock*

Dual watch and priority watch functions

*Excludes TSO version

COMES WITH

Mounting bracket kit

Owner's manual

Warranty: 2-Year



A220

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A220	Panel mount aviation radio	\$2,165.00
A220B	Radio with PS80 04 power supply for base station option	\$3,595.00
A220M	Radio with MB-53 for mobile mount	\$2,615.00
A220T	TSO approved panel mount aviation radio	\$2,780.00

Accessories

Model	Description	MSRP
Antennas		
B ANT	Base station antenna 118.8-126.8MHz with 50' 4" cable for Avionic mobile units.	\$365.00
K220A	Aviation mobile antenna with a magnetic mount	\$75.00
K220C	Aviation mobile antenna with a rooftop hole mount	\$60.00
Cables		
OPC1529R	Data cable (RS232 to 3.5mm)	\$41.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$60.00
Microphones		
HM176	Microphone for the A220/A210/A200/PS80	\$185.00
Mounting Hardware		
A200 TRAY	Mounting tray for A200/A210/A220	\$65.00
MB53	Mobile mounting bracket that includes HM176 microphone, SP35 external speaker, MBA-3 rear panel adapter, and harness for A200/A210/A220	\$500.00
MBA3	Rear panel adapter with a card edge connector for the A220	\$105.00
Power Supplies		
PS80	Power supply that includes the HM-176 & MBA-3 for A220/A210/A200	\$1,245.00
Programming Software & Cables		
CSA220	Programming software A220	\$90.00



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