

Professional in every sense! Performance, build, audio and operation



- 5W output power, 136–174MHz full VHF coverage
- Professional RF performance, resistance to interference
- 750mW* loud and intelligible audio with BTL amplifier and large 36mm speaker
* Typical value with internal speaker.
- IP54 and MIL-STD-810 rugged construction
- Large capacity Li-Ion battery pack provides 18.5 hours* of operating time
* Typical operation. 5:5:90 duty cycle with auto power save.
- Wide/narrow channel spacing
- Integrated VOX function
- 200 channels
- Built-in CTCSS and DTCS encoder/decoder
- 5 character alphanumeric display
- Priority, memory and skip scanning
- 16 DTMF autodial memories
- Repeater lockout and busy channel lockout
- Time-out-timer
- Power save function and auto power off



SPECIFICATIONS

GENERAL	
Frequency coverage	136-174MHz
Type of emissions	F2D, F3E (FM)
Number of channels	200 channels
Antenna impedance	50Ω (BNC)
Power supply requirement	7.2V DC
Operating temperature range	-20°C to +60°C (Radio only)
Frequency stability	±2.5ppm (-20°C to +60°C) at 25°C
Current drain (approx.)	
Tx High	1.4A
Rx Max. audio Internal SP	300mA typ. (16Ω load)
External SP	180mA typ. (8Ω load)
Stand-by/Power save	60mA/33mA typ.
Dimensions (W×H×D) (Projections not included)	58 × 112 × 30 mm
Weight (approx.)	140g (without battery pack) 360g (with BP-264 and antenna)
TRANSMITTER	
Output power (at 7.2V)	5.0/2.5/0.5W (High/mid/low)
Max. frequency deviation	±5.0kHz/±2.5kHz (Wide/narrow)
Spurious emissions	Less than -70dB
Ext. microphone connector	3-conductor 2.5(d)mm (1/10")/2.2kΩ
RECEIVER	
Sensitivity	0.18μV typ. (at 12dB SINAD)
Squelch sensitivity	0.13μV typ. (threshold)
Selectivity	72dB/65dB typ. (Wide/narrow)
Intermodulation	72dB typ.
Spurious and image rejection	80dB typ.
Audio output power	
Internal SP	750mW typ. (16Ω load)
External SP	420mW typ. (8Ω load)
External speaker connector	3-conductor 3.5(d) mm (1/8")/8Ω

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	-
Salt Fog	509.4	-
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

Ingress Protection Standard	
Dust & Water	IP54 (Dust-protection and water resistant)

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.



Battery packs	Type and capacity	Operating time* (Approx.)
BP-263	AA (LR6) batteries × 6	-
BP-264	Ni-MH, 7.2V 1400mAh	13.5 hours
BP-265	Li-Ion, 7.4V 1900mAh (min.) 2000mAh (typ.)	18.5 hours

* Tx: Rx: standby = 5:5:90. Power save function ON.

REGULAR CHARGER
For BP-264 (Ni-MH battery)



BC-147S/BC-206S*1 BC-192
Charges the BP-264 in 16 hours (approx.).

RAPID CHARGER
For BP-264 (Ni-MH battery)



BC-123S*2 BC-191
Charges the BP-264 in 2 hours (approx.).

RAPID CHARGER
For BP-265 (Li-Ion battery)



BC-123S*2 BC-193
Charges the BP-265 in 2.5 hours (approx.).

*1 BC-147SA for 120V AC. SV for 240V AC. BC-206SE for 230V AC. *2 BC-123SA for 120V AC. SE for 230V AC. SV for 240V AC.

MULTI-CHARGER
For BP-264/BP-265



BC-197 BC-157S

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES



CP-23L For use with BC-191 or BC-193
OPC-515L For use with BC-191, BC-192 or BC-193
OPC-656 For use with BC-197

HEADSETS and PLUG ADAPTER CABLE



HS-94 Earhook type
HS-95 Behind-the-head type
HS-97 Throat type
OPC-2004 Required when using any of these headsets

SPEAKER-MICROPHONES



HM-158LA HM-159LA

EARPHONE MICROPHONE



HM-153LA

CHARGER BRACKET



MB-130 For use with BC-191, BC-192 or BC-193

FA-B2E VHF ANTENNA
Same as supplied.

MB-124 BELT CLIP
Alligator type clip.
Same as supplied.

CHARGER ADAPTERS
• AD-120 for BP-264
• AD-121 for BP-265
Either AD-120 or AD-121 charger adapters are supplied with the BC-197, depending on BC-197's version.

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