

## A-80

### High Performance, Professional Transceiver

- 50 groups of CTCSS & 104 groups of DCS
- Priority scan.
- Double-vco.
- Busy channel lock-out.
- Channel number announcer.
- High/Low power switch.
- Transmitter time-out timer.
- Automatic power save.
- Alarm function key.
- Wired clone.
- Programmable.
- Monitor key.
- Adjustable squelch level.
- Low battery alert.

### It has the following features

#### Rugged and Ergonomic.



Enhanced ergonomic design, built around a die-cast aluminum chassis and encased in a polycarbonate cabinet, complies with the industry's most demanding specifications. Tested under the rainproof and shockproof US-Military Standards.

**Priority Scan.** 16 programmable channels with one dedicated scan channel.

#### Full Power Handheld Radio.



High quality design Toshiba/Mitsubishi/Hitachi MOSFET components for a minimum 5W output power.

**Radio Status Announcer.** Voice indicated radio self-check routine, channel number and transmit power make the radio user friendly even in low-light conditions. Different languages and voice tones available.



**Gold-Plated SMA connector and copper antenna for the best ANTENNA-RADIO Match.**

#### Extended operation Times.



High capacity 1200mAh to 1800mAh Ni-Mh and Li-ion battery packs together with the power saving feature ensure long-lasting, continuous and reliable operation.

#### Effective solution for anti-interference.

50 groups of standard and non-standard CTCSS and 104 groups of DCS, an effective solution for anti-interference to prevent unwanted conversation on the same frequency.

**Alarming function key.** While emergency or accident occurs, with a simple press of a button a defined emergency procedure is active. This sounds an emergency alarm to let other person know.

**Double-VCO.** Enables a better communication and Long-Distance talk.

**PC Programmable.** With the optional programming cable, the parameters could be configured through PC Software.

**Wired Radio-to-Radio Clone.** To quickly set the parameters on a radio, you can clone the radio data from another radio with the supplied cloning cable, saving the time of parameter setting.

**Squelch Level Programmable.** Squelch reduces background noise and improves sound quality. Squelch level adjustable by PC software makes the radio can be widely used in various environments.

**Environmental-Friendly Design.** By using cadmium-free batteries and avoiding the use of plastic Packages, ABELL promotes the development of environmental-friendly technologies and products.



## Standard accessories



Intelligent & rapid charger



VHF/UHF Antenna



Belt clip



High capacity Ni-Mh Battery



Adapter

## Optional accessories



TH-AE001  
Boom Speaker Headset



TH-AE002  
Headset



Speaker Mic



Throat earphone



Nylon carrying case



Leather carrying case



A-80

## TECHNIQUE PARAMETER

MODELS		A80(D)	A80(C)	A80(A)
Frequency Range(MHz)	L	400-440	350-370	136-174
	H	440-480	370-390	
General	Channel Capacity	15+1 Scan channel		
	Channel Spacing	25kHz/12.5kHz		
	Operation Temperature	-20-60°C		
	Programming Method	Computer		
	Cloning Ways	Wired		
	Keyboard	X		
	CTCSS	✓		
	DTMF	X		
	DGT	✓		
	SmartTrunk-2	X		
	Mpt1327	X		
	Talk-Around & Reverse	X		
	Power save	✓		
	Time out timer	✓		
	Low Battery Warning	✓		
	Audio Output	500mW		
	Standard	MIL-STD-810C/D/E		
	Rain Proof	✓		
Scan	✓			
Easy to repair	Yes			
Weight	330g (with battery)			
Dimension	50×110×30mm			
Receiver	Sensitivity	0.18uv		
	Operating Bandwidth	±7kHz/±3.5kHz		
	Adjacent Channel Selectivity	≥65dB		
	Intermodulation Rejection	≥60dB		
	Spurious Respond Rejection	≥60dB		
	Audio Frequency Power	500mW / distortion <5%		
Transmitter	Frequency Stability	±2.5ppm		
	Output Power	≤5w		
	Modulation	F3E		
	Spurious and Harmonics	<-65dB		
	FM Noise	<-40dB		
	Audio Frequency Distortion	<5%		
	Frequency Stability	±2.5ppm		
Max. Frequency Deviation	±5kHz/±2.5kHz			

- Due to technology advancements, the technical data of real products maybe slightly different from the above data.
- The physical product may look slightly different from the picture.

## Dealer Area



**ABELL INDUSTRIES CO., LTD**

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