

A-85T

Digitalize your communication

Vocoder

AMBE++

Compatible with
most of mainstream
DMR brands

**T
D
M
R
A**

Features:

- ◆ Dual mode analog/digital
- ◆ Dual capacity in direct mode
- ◆ Durable and super dust-proof
- ◆ Emergency alarm
- ◆ DTMF encode & decode
- ◆ PTT-ID
- ◆ Group call/ All call/Single call



MIL-STD

Based on over 20 years experiences in design and material, according to the military standard MIL-STD, we ensure the durability of A-85T. Maximize the return of your investment.

General

Frequency Range	VHF: 136-174 Mhz UHF: 400-470MHz
Channel Numbers	32 channel
Channel Spacing	25kHz/12.5kHz
Operating temp. Range	-25° C~+60 ° C
Operating Voltage.	7.5V DC
Antenna Impedance	50Ω
Microphone Impedance	2. 2KΩ
Battery	Li-ion DC7.4V 1600 mAh
Dimension (W×D×H)	135 mm×53 mm×33 mm
Weight	197g (Tranceiver) /318g (include battery)

Receiver

Sensitivity Ana. (12dB SINAD)	25K \leq 0.22uV (12dB SINAD) 12.5K \leq 0.25uV (12dB SINAD)
Sensitivity Digi. (12dB SINAD)	5% BER 0.3uV
SNR(Signal-To-Noise Ratio)	25K \geq 45 dB 12.5K \geq 40 dB
Adjacent Ch. Selectivity	25K \geq 70 dB 12.5K \geq 65 dB
Intermodulation Rejection	25K \geq 65 dB 12.5K \geq 60 dB
Spurious Respond Rejection	\geq 65 dB
Audio Output Power	\geq 1000 mW
Audio Distortion	\leq 5%
Frequency Stability	\pm 2.5ppm
Battery Stand-by Time	60 Hours

Transmitter

Output Power	H: 4 W /5 W L: 1.5 W
Modulation	25K/16K Φ F3E 12.5K/8K Φ F3E
4FSK Digital Modulation	12.5KHZ Data 7K60FXD 12.5KHZ Data and Audio 7K60FXE
AMBE++	AMBE+2TM
Digital protocol	ETSI-TS102 361-1
Spurious and Harmonics	\geq 70 dB
Residual Freq. Modulation	25K \leq -45 dB 12.5K \leq -40 dB
Audio Distortion	\leq 5%
Freq. Stability	\pm 2.5 ppm
Max. Freq. Deviation	25K \leq 5 kHz 12.5K \leq 2.5 kHz

- Li-ion battery operation temperature -10°C ~+60°C
- Those parameters and features above may be updated along with our technology improvement.

Standard accessories



BC-82
Rapid charger with
Power adaptor



VHF/UHF Antenna



ABC-82P
Belt clip



AB-L1682
1600mAh Li-ion battery

Optional accessories



TH-AE002
Earhook style earphone



AE-ATL
Acoustic tube earphone



AC-UL
USB Programming Cable



Hand strap



AE-EL
Speaker microphone



AH-L81
Leather carrying case

Dealer Area



ABELL INDUSTRIES CO., LTD

Website: www.abell.com.cn E-mail: sales@abell.com.cn