



# BTECH FRS-A1

## ALL-PURPOSE WALKIE TALKIES



### LICENSE FREE FRS WALKIE TALKIES

The FRS-B1 is the ideal choice for users that want a license free radio that can be completely customized to their needs. Most two way radios require a license (such as LMR, Amateur, and GMRS), but the FRS-B1 does not.

The FRS-B1 are license free FRS walkie talkies programmed with all 22 FRS channels used by FRS radios. All 22 FRS Channels are pre-programmed and able to be customized for your unique application needs. The radios support all 260 DCS and CTCSS privacy tones (up to 5720 channel combinations) making them compatible with any other FRS radio. The FRS-B1 allows quick monitoring of all traffic on a channel with the monitor key, and also includes a built-in flashlight.

A compact and powerful walkie talkie, the FRS-B1 outputs the maximum power allowed for FRS radios.

#### FEATURES AND FUNCTIONS

- License Free
- NOAA Weather Radio
- Flashlight
- VOX Hands Free Operation
- CHIRP Programmable
- USB-C Charging
- Fully Customizable
- Kenwood K1 Accessory Jack



## TECHNICAL SPECIFICATIONS

### GENERAL

Frequency Range	FRS
Operation Mode	Simplex
Duty Cycle	5 / 5 / 90%

### POWER

Operating Voltage	3.7V DC $\pm$ 10%
Antenna Impedence	50 ohm
Operating Temp.	-10°C ~ +40°C

### DIMENSIONS

Dimensions	2 x 0.75 x 5.5 in
Weight	8 oz

### TRANSMITTER

RF Power Output	2W(1-7&15-22 Channels) / 0.5W(8-14 Channels)
FM Modulation	11K0F3E @ 12.5 KHz
Adjacent Channel Power	60dB @ 12.5 KHz
Transmission Current	$\leq$ 1000mA

### RECEIVER

Sensitivity (12dB SINAD)	0.25 $\mu$ V
Adjacent Channel Selectivity	$\geq$ 55dB @ 12.5KHz
Intermodulation and Rejection	$\geq$ 55dB @ 12.5KHz
Spurious Emission	$\leq$ -57dB @ 12.5KHz
Rated Audio Power Output	0.75W @ 8 ohms
Receive Current	$\leq$ 380mA
Rated Audio Distortion	$\leq$ 5%

### ACCESSORIES

Connector	Kenwood K1
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## COMPATIBLE ACCESSORIES



**PC03 Programming Cable**



**BTECH APRS-K1 Audio Cable**



**BTECH 3.5mm Audio Adaptor**



**HS03 OEM Earpiece Kit**



**QHM07 Kit**



**QHM22 Speaker Mic**