



# BTECH FRS-A1

## ALL-PURPOSE WALKIE TALKIES



### LICENSE FREE FRS WALKIE TALKIES

The FRS-A1 is the perfect radio to use on vacations, camping trips, hiking, hunting, and for general walkie talkie uses for all families, friends, and businesses.

The FRS-A1 adds several of our commercial BTECH radio features into a simple walkie talkie package. With dual watch, you can simultaneously monitor two channels at the same time allowing you to monitor multiple groups at the same time.

The FRS-A1 allows you to use any CTCSS and DCS privacy tones (260 tones). Easily scan channels and tones to pair with other walkie talkie without hassle.

The FRS-A1 is designed to be easily customized. You can simply rename channels instead of using generic channel names or numbers.

#### 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 462.5500 ~ 467.7250 MHz
Memory Channel	22 FRS Channels + 7 NOAA Weather
Battery Capacity	1200 mAH (Li-ion)

### POWER

Operating Voltage	3.7V DC $\pm$ 10%
Frequency Stability	$\pm$ 2.5 ppm
Mode of Operation	Simplex
Antenna Impedence	50 ohm
Operating Temp.	-20°C to +60°C

### DIMENSIONS

Dimensions	2 x 0.75 x 5.5 in
Weight	8 oz

### TRANSMITTER

RF Power Output	FRS 2W/0.5W
FM Modulation	11K0F3E @ 12.5 KHz
Adjacent Channel Power	60dB @ 12.5 KHz
Transmission Current	$\leq$ 1200mA

### 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	0.5W @ 8 ohms
Receive Current	$\leq$ 350mA
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**