CHIRP - New Model # 9734

Status:	Closed	**Priority:**	Normal
Author:	Jim Unroe	**Category:**	
Created:	02/01/2022	**Assignee:**	Jim Unroe
Updated:	04/16/2022	**Due date:**	
Chirp Version:	daily		
Equipment Loan Offered	Yes		
Subject:	Add support for the BTECH FRS-B1		

Description

Baofeng Tech provided a sample BTECH FRS-B1 to be used for development.

Jim KC9HI

Associated revisions

Revision 3653:bb9204ee2234 - 02/01/2022 11:37 pm - Jim Unroe

[FRS-B1] Driver Maintenance: radtel_t18.py [patch 1 of 2]

This patch reorders some of the settings to make it easier to add support

for additional radios. No features have been added to or removed from any of

the currently supported radio models.

related to #9734

Revision 3654:164528caafdc - 02/01/2022 11:37 pm - Jim Unroe

[FRS-B1] Add BTECH FRS-B1 [patch 2 of 2]

This patch adds support for the Baofeng Tech FRS-B2.

related to #9734

History

#1 - 04/16/2022 06:13 pm - Aaron Blankenship

- File Screenshot 2022-04-16 140650.png added

- File Default FRS-B1 via CHIRP BF-888 profile.img added

- File Default FRS-B1 from original software.xml added

(I'm not a dev)

You can get the "official" software on BTECH page:

https://baofengtech.com/product/frs-b1/

https://baofengtech.com/wp-content/uploads/2022/02/frs-b1-v1-cps.zip

BTECH software isn't fully updated for this radio either but it does expose some of the new settings, such as "WX #" channels (preset to NOAA Rx only). It also enforces USA Fed compliance by limiting the settings you can change. "Side key" setting appears to do nothing? "Beep" only controls if

the radio beeps for orange button (flashlight) short press. Long press of orange button is monitor. Orange button cannot be configured.

CHIRP daily-20220408 will import 16 channels via BF-888 profile, but not the other 8 (15-22) channels that allow transmit. The WX channels do not show up either.

#2 - 04/16/2022 06:41 pm - Aaron Blankenship

Notes from attempting to use CHIRP to configure FRS-B1 via BF-888 profile:

High/Low voltage inhibit transmit settings appear to be swapped. Not sure which is correct since I can't test this. The mysterious side key settings appears in both software but of course doesn't exist as a physical button on the FRS-B1.

The power limit lock that makes these compliant with FRS regulations is built into the programing software, not the firmware of FRS-B1. This matches some people's "theory" that the programing+operator of a radio is what makes it compliant with Fed regulations, not the hardware itself. This "theory" is not universally shared by all operators.

I saw no issues using the BF-888 profile to program one of these radios, and they work fine with my older units via the DCS code that I like to use. I do not recommend using CHIRP for programming FRS-B1 unless you know how to test that there are no problems caused.

#3 - 04/16/2022 07:52 pm - Aaron Blankenship

Opps, I found the BTECH profiles in CHIRP for FRS-B1.
This fixes my report of backwards inhibit settings.

#4 - 04/16/2022 09:48 pm - Jim Unroe
- Status changed from In Progress to Closed
- % Done changed from 0 to 100

Aaron Blankenship wrote:

> *Opps, I found the BTECH profiles in CHIRP for FRS-B1.*
> *This fixes my report of backwards inhibit settings.*

Yeah... this issue should have been closed a couple of months ago. It now will be.

Jim KC9HI

Files

Screenshot 2022-04-16 140650.png	225.5 kB	04/16/2022	Aaron Blankenship
Default FRS-B1 via CHIRP BF-888 profile.img	1.1 kB	04/16/2022	Aaron Blankenship
Default FRS-B1 from original software.xml	8.2 kB	04/16/2022	Aaron Blankenship