

CHIRP - New Model # 3745

Status:	In Progress	Priority:	Normal
Author:	Anthony Farnsworth	Category:	
Created:	06/13/2016	Assignee:	Jim Unroe
Updated:	08/21/2017	Due date:	
Chirp Version:	daily		
Equipment Loan Offered:	No		
Subject:	luiton lt-725uv		
Description			
<p>Please provide programming support for the new luiton lt-725uv dual band VHF/UHF mobile radio.</p> <p>Attempts have been made on suspected clone models with no luck.</p> <p>Attached are the debug logs from the unsuccessful attempts and serial monitor logs of succesfull read/writes using the factory software on windows 8 64bit</p>			

Associated revisions

Revision 2763:7b4b20b2cf67 - 09/03/2016 04:54 pm - Jim Unroe

[LT-725UV] Add Support for LUITON LT-725UV

This patch adds basic support for the LUITON LT-725UV mobile radio.

#3745

Revision 2764:ff2daca5a662 - 09/04/2016 08:37 am - Dan Smith

[LT-725UV] Add Test image

#3745

History

#1 - 06/13/2016 06:52 pm - Anthony Farnsworth

Anthony Farnsworth wrote:

Please provide programming support for the new luiton lt-725uv dual band VHF/UHF mobile radio.

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New model request opened after conversation started on Issue #2673 <http://chirp.danplanet.com/issues/2673#note-74>

#2 - 06/27/2016 09:53 am - Pavel Milanec

- Status changed from New to Feedback

Hi Anthony,

Looking at the serial logs I can tell this radio is not a clone of the BTECHs & family, it's a completely new model. In your serial logs are the 40% of the info to make a driver from it, I'm very busy right now.

If you offer to loan a radio of these maybe some other developer can pick it up and build a driver for it. At a glance the download/upload is straight forward and channel data looks not very complicated.

I'm busy with work now and I live in Cuba, radio transceivers import/export from here is a no go (*for now, I have a bird telling me this may change in a very near future, I hope for this to happen soon*)

73 Pavel CO7WT

#3 - 06/27/2016 11:22 am - Pavel Milanec

- File read_headers.txt added

- Status changed from Feedback to In Progress

- % Done changed from 0 to 10

I got a spare time and I get into playing with your logs and I found this:

Radio comms baud-rate & parity are not clear at this time

To put radio in Clone mode send "PROM_LIN" in binary, radio answer with the classic ACK (\x06)

From this point forward you simply ask for data with the syntax: "READ" + 2 bytes of address + one unknown byte + one byte for the data payload. Apparently there is no header in the data and no ACK for the received data.

So far this is the most wide range identified: 0x0400-0x1C00 But the radio has another mem zones, it will be fun to hack into it...

73.

#4 - 09/03/2016 04:54 pm - Jim Unroe

- Assignee set to Jim Unroe

- Target version set to 0.5.0

- % Done changed from 10 to 90

#5 - 08/15/2017 04:28 pm - Hal Hostetler

Jim,

Will this driver ever make it to 100% and leave the Beta stage?

Hal WA7BGX

#6 - 08/21/2017 03:30 pm - Jim Unroe

Do you have any bugs to report? It is complete as far as I am concerned.

Jim

Files

debug.log	29.5 kB	06/13/2016	Anthony Farnsworth
lt-725uv serial logs.zip	47.2 kB	06/13/2016	Anthony Farnsworth
read_headers.txt	1.6 kB	06/27/2016	Pavel Milanes