

CHIRP - New Model # 2435

Status:	New	Priority:	High
Author:	Gary Tourville	Category:	
Created:	03/16/2015	Assignee:	
Updated:	05/01/2018	Due date:	
Chirp Version:	0.4.0		
Equipment Loan Offered:	Yes		
Subject:	Wouxun KG-UV899		
Description	<p>Just purchased this unit a few weeks ago and was hoping CHIRP would work, but alas it did not. Manufacturers software doesn't even support this radio as of yet. Help!</p>		

History

#1 - 06/10/2015 03:26 pm - Tim Bonine

Any update on this? I have a UV-899 on order.

#2 - 01/09/2016 06:02 am - Piotr Stec

Is there any way I can help you to support this radio?

#3 - 01/09/2016 06:31 am - Piotr Stec

- File Monitoring Session read from radio.spm added
- File Monitoring Session write to radio.spm added

I attach 2 log files from serial port monitor - while reading from device and while writing to it via Wouxun original software. I wish it could be helpful somehow. If there's anything else I can do, just tell me.

#4 - 01/10/2016 10:11 am - Piotr Stec

- File read 2 text.txt added

I add another log of reading from this device. It seems like I should send liNHRGc" to identify device and then data is sent in packets of length 68. I was working on existing files wouxun.py and wouxun_common.py. I don't understand do_download function from the second one. Especially line cmd = struct.pack(">cHb", "R", i, blocksize) what is that for? I always get exception in this function because required data length does not match real length.

#5 - 01/10/2016 08:28 pm - Pavel Milanes

Hi Piotr,

struct is a python class to interpret strings as packed binary data with a predefined format.

You can have a peek in the python docs here [<https://docs.python.org/2/library/struct>]

```
cmd = struct.pack(">cHb", "R", i, blocksize)
```

This is packing the data with Big Endian coding(>), "R" as char (1 byte long), i as a unsigned short (two bytes long) and blocksize as signed char (1 byte long)

For example:

```
i = 256
blocksize = 64
cmd = struct.pack(">cHb", "R", i, blocksize)
```

Then cmd will have "\x52\x01\x00\x40"

the reverse function is easy also:

```
CMD, i, blocksize = struct.unpack(">cHb", cmd)
```

Cheers

#6 - 01/11/2016 12:11 am - Piotr Stec

Thank you for your answer, but i still do not know what does >cHb mean. I see now that '>' means Big Endian coding, but what does the other part mean? cHb?

#7 - 01/11/2016 07:40 am - Pavel Milanes

Piotr Stec wrote:

Thank you for your answer, but i still do not know what does >cHb mean. I see now that '>' means Big Endian coding, but what does the other part mean? cHb?

In simple terms: it's a handy function to pack/unpack data into a binary form, many radios have a predefined structure on the headers it's send/receive; with this function/procedure you make shorter code to pack/unpack data. As simple as that.

"<cHb" it's just the format the data has to be encoded/decoded, it's like a template to render the binary data you pass as variables, in the last post I put a translation for each term.

#8 - 01/09/2018 01:26 am - Ernesto Sanchez

Any update? Can I help in any way?

I ordered this radio last week.

#9 - 05/01/2018 05:17 pm - Alexandre Graczik

Hdh

Files

Monitoring Session read from radio.spm	60.1 kB	01/09/2016	Piotr Stec
Monitoring Session write to radio.spm	155.3 kB	01/09/2016	Piotr Stec
read 2 text.txt	165.6 kB	01/10/2016	Piotr Stec