

## CHIRP - Feature # 8185

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	Derek Salling	<b>Category:</b>	
<b>Created:</b>	08/17/2020	<b>Assignee:</b>	Jim Unroe
<b>Updated:</b>	10/13/2020	<b>Due date:</b>	
<b>Chirp Version:</b>	daily		
<b>Model affected:</b>	Tenway UV-5R Pro		
<b>Subject:</b>	Tenway UV-5R Pro power levels		
<b>Description</b>			
<p>The Tenway UV-5R Pro has three power levels: High 8W, Medium 4W, Low 1W In CHIRP, the user can select High or Low power for each channel, but once loaded to the radio, this corresponds to High or Medium power. Low power must be specifically selected by the user if desired, for each channel, on the radio.</p> <p>Please correct the power level options for this radio to include all three options.</p> <p>Firmware message during 3+Power-On is: VER BFB298 Firmware listed in CHIRP is: HN5RV01</p> <p>Happy to provide more info if needed.</p>			

### Associated revisions

Revision 3408:98b8a850b0f1 - 10/11/2020 07:39 pm - Jim Unroe

[UV-5R] Tenway UV-5R Pro Tri-Power Support

This patch moves the Tenway UV-5R Pro alias from UV-5R to BF-F8HP in order to pick up the appropriate support for 3 power levels.

fixes #8185

### History

#1 - 08/20/2020 07:01 am - Jim Unroe

- Status changed from New to Feedback

Hi Derek,

You are selecting the wrong model. You should be selecting...

Vendor: Baofeng

Model: BF-F8HP

As shown on the CHIRP [Supported Radio Models](#) list.

#### Baofeng/Pofung

- BF-F8HP (3 power levels)

Jim KC9HI

**#2 - 08/20/2020 08:26 am - Derek Salling**

Hi Jim,  
Thanks for the feedback. Selecting the BF-F8HP and then downloading from my radio does give me control over 3 power levels (have not tried uploading yet, will try that after work today).

However, this introduces a new issue: only the memories tab is accessible; I can no longer view or change the radio settings.

At this point I'm still convinced that specific support for the *Tenway UV-5R Pro* needs to be improved.

**#3 - 08/20/2020 07:13 pm - Jim Unroe**

Derek Salling wrote:

*Hi Jim,  
Thanks for the feedback. Selecting the BF-F8HP and then downloading from my radio does give me control over 3 power levels (have not tried uploading yet, will try that after work today).  
  
However, this introduces a new issue: only the memories tab is accessible; I can no longer view or change the radio settings.  
  
At this point I'm still convinced that specific support for the Tenway UV-5R Pro needs to be improved.*

There is 1 or more settings that are out-of-range. Attach a freshly downloaded CHIRP Radio Images (\*.img) file so I can investigate them.

Jim KC9HI

**#4 - 08/20/2020 11:44 pm - Derek Salling**

- File *Baofeng\_BF-F8HP\_20200820.img* added

Ran into some connection issues this evening... Had three separate errors:

- Radio refused to send second block 0x1f00
- Radio did not respond
- Radio refused to accept block 0x0640

Using a cable with the CH340 driver, so I don't think its the cable, but I'm too new to this to know what to blame.

My freshly downloaded Baofeng BF-F8HP image is attached.

**#5 - 08/20/2020 11:44 pm - Derek Salling**

- File *Tenway\_UV-5R Pro\_20200820.img* added

And here is a freshly downloaded Tenway UV-5R Pro image.

**#6 - 08/21/2020 10:34 am - Jim Unroe**

- File *Tenway UV-5R Pro Settings.png* added

Derek Salling wrote:

| *And here is a freshly downloaded Tenway UV-5R Pro image.*

Derek,

Thanks for attaching a CHIRP Radio Images (\*.img) file from your radio. Unfortunately I don't see any problem with it. All the settings tabs display just fine for me. See attached screen capture.

Oh wait. I see the other file now. Standby...

Jim KC9HI

**#7 - 08/21/2020 10:55 am - Jim Unroe**

Derek,

The problem has to do with the TX Power level settings in the VFO. Would you, using the keypad, set VFO A to the MID power level and VFO B to the LOW power level. Then download the changes to CHIRP and attach the downloaded file.

Thanks,

Jim KC9HI

**#8 - 08/22/2020 12:19 am - Derek Salling**

- File Baofeng\_BF-F8HP\_20200821.img added

Hi Jim,

I made the suggested changes, and downloaded to CHIRP. See attached file.

It was not quick, as I had a lot of connectivity issues. Since this download I have been unable to make any more uploads or downloads, using either the BF-F8HP or the UV-5R Pro radio selections. I'm thinking more and more that my cable is junk.

**#9 - 09/15/2020 01:07 pm - J Gep**

If I may contribute, these are what the settings need to be to support the 3 power levels:

lowpower: 0x01 (.....01b) = MED

lowpower: 0x01 (.....00b) = HIGH

lowpower: 0x01 (.....10b) = LOW

**#10 - 09/16/2020 05:17 am - Jim Unroe**

Derek Salling wrote:

| *Hi Jim,*

| *I made the suggested changes, and downloaded to CHIRP. See attached file.*

*It was not quick, as I had a lot of connectivity issues. Since this download I have been unable to make any more uploads or downloads, using either the BF-F8HP or the UV-5R Pro radio selections. I'm thinking more and more that my cable is junk.*

Derek,

As I expected, manually changing the settings in the radio's VFOs corrected the invalid values stored in them. Now the settings tabs display as they should. All should be good now.

Jim KC9HI

**#11 - 10/04/2020 05:30 pm - J Gep**

Are all 3 power levels for the Tenway UV-5R Pro going to be part of native support? I'm manually setting them in the developer section right now.

**#12 - 10/05/2020 04:58 am - Jim Unroe**

J Gep wrote:

*Are all 3 power levels for the Tenway UV-5R Pro going to be part of native support? I'm manually setting them in the developer section right now.*

You should use the BF-F8HP model selection to get support for 3 power levels.

Jim KC9HI

**#13 - 10/06/2020 05:28 pm - Bernhard Hailer**

*- Status changed from Feedback to Closed*

The issue submitted originally appears to have been resolved.

**#14 - 10/07/2020 01:26 pm - J Gep**

Just my opinion, but if I have to select a model other than the Tenway UV-5R Pro in the Chirp software for the full features to be supported, then why is the Tenway UV-5R Pro model a selectable option in Chirp? Shouldn't it default to the BF-F8HP instead? It seems misleading to the users of Chirp to list the Tenway model when you aren't supposed to select the Tenway model to get everything to function correctly.

**#15 - 10/07/2020 01:54 pm - Bernhard Hailer**

*- Status changed from Closed to Feedback*

*- Target version set to chirp-daily*

I think you're right. Reopened it so that it can be worked on.

**#16 - 10/08/2020 04:24 am - Jim Unroe**

J Gep wrote:

*Just my opinion, but if I have to select a model other than the Tenway UV-5R Pro in the Chirp software for the full features to be supported, then why is the Tenway UV-5R Pro model a selectable option in Chirp? Shouldn't it default to the BF-F8HP instead? It seems misleading to the users of Chirp to list the Tenway model when you aren't supposed to select the Tenway model to get everything to function correctly.*

Who ever added the Tenway UV-5R Pro made it an alias of the UV-5R (so it only supports 2 power levels). It needs to be changed to be an alias of the BF-F8HP (so it will support 3 power levels). I just need someone to confirm that when used with the Vendor: Baofeng / Model: BF-F8HP selections, it works properly.

Jim KC9HI

**#17 - 10/08/2020 08:44 am - Derek Salling**

Jim Unroe wrote:

*Who ever added the Tenway UV-5R Pro made it an alias of the UV-5R (so it only supports 2 power levels). It needs to be changed to be an alias of the BF-F8HP (so it will support 3 power levels). I just need someone to confirm that when used with the Vendor: Baofeng / Model: BF-F8HP selections, it works properly.*

*Jim KC9HI*

Hi Jim,

Using the Vendor: Baofeng / Model: BF-F8HP selections seems to working OK for me. I'm still a rookie here, so unable to properly explore all functions, but power levels seem to be loading correctly.

I've also moved from a CH340 cable to an FTDI cable; connection is much more reliable.

**#18 - 10/11/2020 12:58 pm - Jim Unroe**

- % Done changed from 0 to 100

I just added a patch to alias the Tenway UV-5R Pro with the Baofeng BF-F8HP model instead of the Baofeng UV-5R model. Tri-power support should be in the next CHIRP daily build. In the mean time, use the BF-F8HP selection.

Jim KC9HI

**#19 - 10/11/2020 12:59 pm - Jim Unroe**

- Status changed from Feedback to Resolved

- Assignee set to Jim Unroe

Update Status and Assignee

Jim KC9HI

**#20 - 10/13/2020 02:01 pm - Anonymous**

- Status changed from Resolved to Closed

Applied in changeset commit:98b8a850b0f1.

**Files**

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Baofeng_BF-F8HP_20200820.img	6.5 kB	08/20/2020	Derek Salling
Tenway_UV-5R Pro_20200820.img	6.5 kB	08/20/2020	Derek Salling
Tenway UV-5R Pro Settings.png	22.7 kB	08/21/2020	Jim Unroe
Baofeng_BF-F8HP_20200821.img	6.5 kB	08/22/2020	Derek Salling