

## CHIRP - Bug # 9982

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	Doug Rehman	<b>Category:</b>	
<b>Created:</b>	08/10/2022	<b>Assignee:</b>	Jim Unroe
<b>Updated:</b>	08/23/2022	<b>Due date:</b>	
<b>Chirp Version:</b>	daily		
<b>Model affected:</b>	RB26 and others		
<b>Platform:</b>	All		
<b>Subject:</b>	Retevis RB26 Tone Error		
<b>Description</b>	<p>CTCSS/DCS cannot be changed/set for channels 8-14 (the 467 MHZ low power/narrow frequencies).</p> <p>I was able to change them using the browser, but not with the standard settings tab.</p>		

### Associated revisions

Revision 3733:af1890971f56 - 08/23/2022 12:30 am - Jim Unroe

[RB26] Unable to Select Tones

Trying to set squelch tones was causing validation errors to pop up thus preventing the user to edit tone values. This was caused by the way CHIRP was programmed to keep various FRS, GMRS and PMR values valid.

This patch reworks how the driver validates Frequency, Mode and Power selections.

Fixes #9982

### History

#1 - 08/11/2022 02:32 am - Jim Unroe

- File *retevis\_rb26\_temp\_fix.py* added
- Status changed from New to In Progress
- Assignee set to Jim Unroe
- Target version set to chirp-daily
- Model affected changed from (All models) to RB26 and others
- Platform changed from Windows to All

I will be looking at this to come up with a permanent fix. In the meant time you can use the attached driver module as a temporary fix.

To use it do the following...

1. save the attached file (*retevis\_rb26\_temp\_fix.py*) to a convenient location. Note: **Do not right-click the link to download.** Left-click the link, wait for the next page to load. Then left-click the **download** link near the top.
2. open CHIRP
3. enable **Enable Developer Functions** in the **Help** menu
4. click **Load Module** in the **File** menu
5. locate and load the file that was saved in step 1

CHIRP should now have a red background to indicate that it is running with an externally loaded driver module. This does not permanently change your CHIRP installation. Once you close CHIRP, the next time you open CHIRP you will have to load this test driver module to have access to it again.

Hopefully you will be able to make your changes with this temporary driver module. Let me know if you can't.

Jim KC9HI

**#2 - 08/11/2022 02:46 am - Doug Rehman**

- File RB26 Error 2.JPG added

It works for CH9-14. It doesn't work for CH8 (467.5675)

**#3 - 08/11/2022 05:33 pm - Jim Unroe**

Doug Rehman wrote:

| *It works for CH9-14. It doesn't work for CH8 (467.5675)*

Interesting. I did my testing with CH8. No matter, I am still looking to create a permanent fix.

Also, a better solution than using the Developer's **Browser** would be to use the **Memory Properties Editor** to edit the CTCSS tones/DCS codes. After selecting the memory row(s) that you wish to edit (yes you can edit common parameters of multiple channels at the same time), either click the **[Properties]** button at the top of the **Spreadsheet Style Memory Editor** or right-click a highlighted memory row and choose **Properties** from the list that appears. This method appears to not be affected by the "bug".

Jim KC9HI

**#4 - 08/14/2022 12:55 am - Jim Unroe**

- File retevis\_rb26\_fix\_b1.0.py added

After a lot of research and many hours of trial and error, I believe I have a workable solution for the troublesome "Validation" code. Please test and provide feedback. Thanks in advance.

These changes also affect Retevis, RB17A, RT21, RT29\_UHF, RT29\_VHF and RT76 radio models. CHIRP [images](#) for these radio models are in the CHIRP [Repository](#) if you would like to test any of them.

As a part of this I also made changes so that High was the default power level on channels where High power is permitted. I will likely have to split these changes into a minimum of 2 patches for them to be accepted. I left them combined as a convenience for testing.

Jim KC9HI

**#5 - 08/15/2022 12:38 pm - Doug Rehman**

CH8-14 are now programming properly.

On the other channels, there's an issue with certain mode/power combinations. In testing using the first four channels (alter

settings>upload>download):

Original	New	Actual	
FM/High	NFM/Low	NFM/High	<<<<ERROR
FM/Low	NFM/High	NFM/Low	<<<<ERROR
NFM/Low	NFM/High	NFM/Low	<<<<ERROR
FM/Low	FM/High	FM/Low	<<<<ERROR

Once I change a channel to Low, I can't change it back to High.

**#6 - 08/15/2022 04:26 pm - Jim Unroe**

- File *retevis\_rb26\_fix\_b1.1.py* added

Good catch. I was just testing images and wasn't uploading to / downloading from the radio. I dug out my RB26 and I think I have resolved the issue. I have attached the update.

Jim KC9HI

**#7 - 08/16/2022 01:53 am - Jim Unroe**

- File *deleted (retevis\_rb26\_fix\_b1.1.py)*

**#8 - 08/16/2022 01:55 am - Jim Unroe**

The *retevis\_rb26\_fix\_b1.1.py* beta file was removed because it still has a bug.

Jim KC9HI

**#9 - 08/19/2022 01:22 am - Jim Unroe**

- File *retevis\_rb26\_fix\_b1.2.py* added

Hopefully this should do better. I have dug out my RT21, RB17A, RB26, RT76, RT29\_UHF and RT29\_VHF and tested each one.

Jim KC9HI

**#10 - 08/21/2022 12:36 am - Doug Rehman**

Worked perfectly for me—thanks for your work!

An unrelated question please: I updated "New Model #4851" (TYT TH-8600) 10 days ago to inquire about the status and haven't seen any response. The original request was 5/30/2017 with multiple duplicate requests and offer of radios since. Is there any chance of it being supported?

Thanks,  
Doug

**#11 - 08/21/2022 02:38 am - Jim Unroe**

Doug Rehman wrote:

*Worked perfectly for me—thanks for your work!*

Thank your for the testing and feedback. It has been very valuable to me. I will try to get these changes submitted in the next few days.

*An unrelated question please: I updated "New Model #4851" (TYT TH-8600) 10 days ago to inquire about the status and haven't seen any response. The original request was 5/30/2017 with multiple duplicate requests and offer of radios since. Is there any chance of it being supported?*

Getting a radio supported requires the following...

1. a radio
2. a programming cable
3. the factory programming software
4. a volunteer developer that is willing to do the work

It would seem that one or more of the requirements are missing.

Jim KC9HI

**#12 - 08/21/2022 10:00 pm - Jim Unroe**

- Status changed from *In Progress* to *Resolved*

- % Done changed from 0 to 100

A patch has been submitted. Support will be in the next CHIRP daily build following acceptance.

Jim KC9HI

**#13 - 08/23/2022 12:53 am - Anonymous**

- Status changed from *Resolved* to *Closed*

Applied in changeset commit:af1890971f56.

**Files**

debug.log	58.3 kB	08/10/2022	Doug Rehman
RB26 Error.JPG	85.3 kB	08/10/2022	Doug Rehman
retevis_rb26_temp_fix.py	46.9 kB	08/11/2022	Jim Unroe
RB26 Error 2.JPG	92.4 kB	08/11/2022	Doug Rehman
retevis_rb26_fix_b1.0.py	43 kB	08/14/2022	Jim Unroe
retevis_rb26_fix_b1.2.py	44.2 kB	08/19/2022	Jim Unroe