

CHIRP - New Model # 9579

Status:	In Progress	Priority:	Normal
Author:	john S	Category:	
Created:	12/05/2021	Assignee:	Jim Unroe
Updated:	03/17/2022	Due date:	
Chirp Version:	daily		
Equipment Loan Offered:	No		
Subject:	Retevis RT21V		
Description	<p>Requesting Chirp support for this radio model Retevis RT21V tried to use RT21 but failed wit this error message</p> <pre>[2021-12-05 16:19:13,918] chirp.ui.common - ERROR: ----- [2021-12-05 16:19:13,918] chirp.ui.clone - ERROR: Clone failed: Radio returned unknown identification string [2021-12-05 16:19:14,035] chirp.ui.clone - DEBUG: Clone thread ended [2021-12-05 16:19:14,042] chirp.ui.reporting - DEBUG: Reporting model usage: Retevis_RT21,download,True [2021-12-05 16:19:14,045] chirp.ui.reporting - DEBUG: Reporting exception [2021-12-05 16:19:14,046] chirp.ui.inputdialog - ERROR: --- Exception Dialog: Radio returned unknown identification string</pre>		

History

#1 - 12/05/2021 04:54 pm - Jim Unroe

- File `retevis_rt21v_dl_only.py` added
- Status changed from New to Feedback

Let's see if you can download an "image" from the radio. I have attached a test driver module that might do it.

Instructions for using the attached download test driver module.

1. Save the attached driver module to a convenient location. **DO NOT** download by right-clicking the link.
2. Enable **Enable Developer Functions** in the **Help** menu.
3. Choose **Load Module** in the **File** menu.
4. Locate and load the download test driver module that was saved in step 1.

CHIRP should now have a red background to indicate it is running with an external driver module. Try to download from your RT21V. If successful, attach the CHIRP Radio Images (*.img) file to this issue. DO NOT TRY TO DO ANYTHING ELSE. If not successful, close CHIRP and attach the new debug.log file to this issue and optionally describe the exact error message, if any.

Jim KC9HI

#2 - 12/06/2021 04:38 pm - john S

- File `debug.log` added

Followed instructions using the test retevis rt21v diver.

connection to rt21v did not fail with any connection error code but was not able to read any data fields screen was blank. When attempt was made to save image file it failed with an error code. Attached is the .img file and the debug.log

Thanks

John

#3 - 12/06/2021 04:39 pm - john S

image file

#4 - 12/06/2021 04:54 pm - Jim Unroe

- File *retevis_rt21v_dl_only_#2.py* added

Thanks for trying. Give this one a go.

Jim KC9HI

#5 - 12/07/2021 01:53 pm - john S

- File *debug.log* added

Tried this file also with same results.

No Error on connection but blank data screen with no data in any fields

attached is latest debug file

thanks

John

#6 - 12/07/2021 04:16 pm - Jim Unroe

- File *retevis_rt21v_dl_only_#3.py* added

OK. Try this. Maybe 3rd time is the charm? If this results in the same blank screen, would you provide a screen capture of the windows? Thanks.

Jim KC9HI

#7 - 12/07/2021 05:38 pm - john S

- File *debug.log* added

- File *Screenshot 2021-12-07 202721.png* added

Thanks, but no change results are the same as 2 previous files

attached are the debug.log and screen capture

#8 - 12/07/2021 06:10 pm - Jim Unroe

- File *retevis_rt21v_dl_only_#4.py* added

Doh! I'll bet this makes a difference.

Jim KC9HI

#9 - 12/07/2021 08:10 pm - john S

- File *debug.log* added

- File *Screenshot 2021-12-07 223943.png* added

Yes this version was able to read the basic channel configuration !!!

Attached the debug and screen shot

There are additional features and options that chirp is not reading like scan function, scrambler function, function button options, time out timer, squelch level setting.

Is it possible to configure these functions or will Chirp just do basic channel setup?

#10 - 12/07/2021 08:21 pm - Jim Unroe

All I am trying to do right now is get physical possession of an "image" captured from the radio. Unfortunately you didn't attach one. It won't be until after that I can start looking into providing CHIRP support.

Jim KC9HI

#11 - 12/07/2021 08:44 pm - john S

ok forgot to get the image will send one asap

#12 - 12/07/2021 08:50 pm - john S

- File *Retevis_RT21V_20211207.img* added

image file retevis rt21v

#13 - 12/08/2021 07:05 pm - Jim Unroe

- File *retevis_rt21_rt21v_#1.py* added

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

- Assignee set to *Jim Unroe*

- Target version set to *chirp-daily*

John,

I've been working on this most of the day. Give it a try. Let me know if you discover anything that doesn't work right.

This will let you program all 16 channels. The first 5 are the regular MURS channels. The remaining 11 channels can be programmed with any step compatible frequency from 136-174 MHz. If they are any of the 5 MURS frequencies, they will transmit. If they are anything other than the 5 MURS frequencies, they are TX disabled. This way you can set aside a channel to listen to the local NOAA WX Radio station or a 2-meter ham repeater, etc.

Jim KC9HI

#14 - 12/09/2021 06:13 pm - john S

Jim

Thanks much will check it out, appreciate your efforts. The factory retevis rt21v software will not run on my computers and so was hoping Chirp would work, as I use Chirp for all of ham radio gear. I will test it and report back the results.

John

#15 - 12/09/2021 06:45 pm - Jim Unroe

Yeah. The OEM software (fortunately it works fine for me on my Win7 Pro 32-bit computer) only allows programming the first 5 channel positions. I have a hunch that channels 6-16 will also work. So please let me know if the channels above 5 work or not. If they don't, then I will have to remove them.

Jim KC9HI

#16 - 12/14/2021 11:16 am - john S

Jim,
update works for the 1-5 channels on my radios the channel switch is 1-5 only, and ok with that. I found an old Win XP laptop in basement that ran oem software and see there are options for program side option switch, squelch levels, speech scrambler operation. Can Chirp also program these features? John

#17 - 12/14/2021 11:41 am - Jim Unroe

john S wrote:

*Jim,
update works for the 1-5 channels on my radios the channel switch is 1-5 only, and ok with that.*

Oh... OK. I assumed it used the same 16 position switch as the RT21. No problem. I will remove the support for channels 6-16. I will attach it once I have it.

I found an old Win XP laptop in basement that ran oem software and see there are options for program side option switch, squelch levels, speech scrambler operation. Can Chirp also program these features? John

Yes. I just disabled the settings tab for the time being.

Jim

#18 - 12/14/2021 01:36 pm - Jim Unroe

- File `retevis_rt21_rt21v_#2.py` added

Here is the next version with only 5 channels. It also has fixes for a couple of bugs that I noticed. This one also has the Settings tabs restored. If it tests OK for you, it will be what I submit to be included in CHIRP.

Jim KC9HI

#19 - 03/17/2022 07:37 am - john S

Sorry for the delay some personal stuff come up and was out of town will check this out and respond on the results.

Thanks

John

Files

debug.log	30.1 kB	12/05/2021	john S
retevis_rt21v_dl_only.py	32.5 kB	12/05/2021	Jim Unroe
debug.log	46.7 kB	12/06/2021	john S
retevis_rt21v_dl_only_#2.py	40.2 kB	12/06/2021	Jim Unroe
debug.log	38.5 kB	12/07/2021	john S
retevis_rt21v_dl_only_#3.py	40.3 kB	12/07/2021	Jim Unroe
debug.log	39.8 kB	12/07/2021	john S
Screenshot 2021-12-07 202721.png	21.5 kB	12/07/2021	john S
retevis_rt21v_dl_only_#4.py	40.3 kB	12/07/2021	Jim Unroe
debug.log	57.8 kB	12/07/2021	john S
Screenshot 2021-12-07 223943.png	32 kB	12/07/2021	john S
Retevis_RT21V_20211207.img	1.2 kB	12/07/2021	john S
retevis_rt21_rt21v_#1.py	43.7 kB	12/08/2021	Jim Unroe
retevis_rt21_rt21v_#2.py	41.6 kB	12/14/2021	Jim Unroe