CHIRP - New Model # 7179

Status:	Closed	**Priority:**	Normal
Author:	Don B	**Category:**	
Created:	10/25/2019	**Assignee:**	Jim Unroe
Updated:	06/11/2021	**Due date:**	

Chirp Version:	daily
Equipment Loan Offered	No
Subject:	Retevis RT22S

Description

The RT22 model works, but I cannot program the RT22S.

The only difference I see is that the S has a channel display screen.

Related issues:

duplicated by New Model # 7051: Anyone ever programmed a Retevis RT22S?	**Closed**	**09/07/2019**

Associated revisions

Revision 3517:f11ac962cb8e - 06/11/2021 07:42 pm - Jim Unroe

[RT22S] Prepare for adding Retevis RT22S

The RT22S requires support that is nearly identical to that of the Radtel T18.
This patch makes changes to the T18 driver in order to make it ready to support
the addition of the Retevis RT22S.

No features or settings have been modified, added or removed by this patch.

related to #7179

Revision 3518:6be165140f5f - 06/11/2021 07:42 pm - Jim Unroe

[RT22S] Add support for Retevis RT22S

This patch adds support for the Retevis RT22S FRS radio to the
Radtel T18 driver module.

related to #7179

History

#1 - 10/25/2019 11:56 pm - Art Wholeflaffer

RT22S actually quite different from RT22.
RT22S has 22 channels instead of RT22's 16, plus has compander and scrambler options for each channel location.

#2 - 11/08/2019 07:00 am - Kenny Madsen

I am curious on the RT22 model that works. At one point in time it worked now I get the dredded "The radio did not accept program mode after five

tries.

Check you interface cable and power cycle your radio." Tried different ports, tried different (Windows 10) desktops, and iMAC. Awaiting on another cable to see if that works. Any replies helpful.

#3 - 11/11/2019 12:43 pm - Art Wholeflaffer

Kenny Madsen wrote:

> *I am curious on the RT22 model that works. At one point in time it worked now I get the dredded "The radio did not accept program mode after five tries.*
> *Check you interface cable and power cycle your radio." Tried different ports, tried different (Windows 10) desktops, and iMAC. Awaiting on another cable to see if that works. Any replies helpful.*

Kenny,

I am of the impression that this radio's hardware/firmware has been updated between RT22 production runs. I have noticed that the radio's casing was updated from the rounded style identical to the WLN and similar versions to a slightly more angular styling, so perhaps there were internal changes made at that time or at some other point in its lifecycle.

From reading various sources, including this site, the firmware change (affecting Chirp) might be as simple as having added an exclamation point to the radio ID string. It'd be good if someone could test that theory (or show that it's been tested). Unfortunately it might mean having two options to choose from (within Chirp) if you are programming an RT22 - "old" vs "new" versions.

#4 - 11/13/2019 11:05 am - Kenny Madsen

Thank You Art - Right now we need these but are sending them back for a different model.

#5 - 12/11/2019 09:11 am - Luke Cunnien

Any further updates Kenny or Art? I am running into the same issue with out RT22 models. We have bought 20 more and are trying to program them all the same from an original RT22 we bought about a year ago. The older model works perfectly (downloading and uploading) but none of the new ones will take an upload. It's pretty frustrating that the Dev's can't send out an update to fix this.

#6 - 12/11/2019 09:34 am - Kenny Madsen

Thanks for writing Luke. No - No updates. I basically told them to tank these and buy Kenwoods (3230). They are much easier to program albeit more expensive. Truly you get what you pay for. And you don't need a cable.

https://www.amazon.com/Kenwood-TK-3230DX-Compact-Durable-Business/dp/B0068U5OLG I burned out on a lot of time with these.

#7 - 05/15/2020 09:56 pm - Bernhard Hailer
- Subject changed from Retevis RT22S Model Not Detected by CHIRP to Retevis RT22S
- Priority changed from High to Normal

#8 - 05/24/2020 05:24 pm - Brad Goodman

If you do get a resolution on this, I would be interested. I can program my RT22's but not the new RT22S's.

Thanks!

#9 - 05/24/2020 05:34 pm - Brad Goodman

Here is a link to RT22S software and worked for me:

https://www.retevis.com//resources_center/software/RT22S-softwareV1.41.zip

#10 - 01/05/2021 10:53 pm - Art Wholeflaffer

I am beginning to examine the RT22S more closely, having just obtained a pair. It is sold worldwide with a variety of channels locked in memory, and I am thinking there might have to be programming software that would permit changes to the frequencies. Until then, in the USA users are stuck with FRS preset frequencies and power levels, and the software allows editing of only adjunct features like CTCSS and DCS tones and a few radio default settings.
Another thing - it appears that these units actually may have 32 channel capability. That number makes more sense than 22.
The RT22S programming software's data file is not as straightforward and readable as the RT22 data file. I will take a closer look at that soon as well.

#11 - 01/21/2021 10:34 pm - Art Wholeflaffer

The RT22S is constrained to 22 channels as delivered, but I now have mine loaded with 32 memory channels using Retevis software. Just make a couple changes to settings.ini. I am still working through the data file; bear with me I am new to this.

#12 - 06/11/2021 11:28 am - Jim Unroe
- Status changed from New to In Progress
- Assignee set to Jim Unroe

Retevis donated an RT22S to me to be used for development purposes. I'll be submitting a patch to add it soon.

Jim KC9HI

#13 - 06/11/2021 12:56 pm - Jim Unroe
- Status changed from In Progress to Resolved
- % Done changed from 0 to 100

Patches submitted. Support will be in the next CHIRP daily build following acceptance.

Jim KC9HI

#14 - 06/11/2021 07:18 pm - Jim Unroe
- Status changed from Resolved to Closed

Patch accepted. Support will be in the next CHIRP daily build.

Jim KC9HI