CHIRP - Bug # 7991

Status:	Closed	**Priority:**	Normal
Author:	Mike Parks	**Category:**	
Created:	06/17/2020	**Assignee:**	Jim Unroe
Updated:	06/21/2020	**Due date:**	
Chirp Version:	daily		
Model affected:	IC-T8A/E		
Platform:	All		
Subject:	fix for Icom IC-T8E		
Description			

The latest version of CHIRP will not program the above, but version 20190215 does the job.

It would be good if a future tweak could address: hi / lo power column, 12.5khz handling.

Thank you

Mike - G4UPD

Associated revisions

Revision 3372:eae1ccc93439 - 06/17/2020 02:05 pm - Jim Unroe

[IC-T8] Add Icom IC-T8A/E Valid Tuning Steps

Fixes #7991

History

#1 - 06/17/2020 04:40 am - Jim Unroe

- Status changed from New to Feedback

What are the valid steps for this radio?

Jim KC9HI

#2 - 06/17/2020 05:59 am - Mike Parks

Hi Jim,

Tuning steps (kHZ) = 5,10,12.5,15,20,25,30,50,100.

It would be good to have more than the current 4 character spaces in the column for the memory station ID, handy when editing, not displayed on the Icom IC-T8E screen though.

Also a column for High/Low power setting would be good, the older CHIRP version results in a LOW setting as shown on the display; there is no LOW shown on the display when a key press on the rig changes from high to low and vice versa.

Kind regards and many thanks.

Mike - G4UPD

#3 - 06/17/2020 07:05 am - Jim Unroe

- Status changed from Feedback to In Progress

- Assignee set to Jim Unroe

- Target version set to chirp-daily

- Model affected changed from (All models) to IC-T8A/E
- Platform changed from Windows to All

Hi Mike,

Mike Parks wrote:

> *Tuning steps (kHZ) = 5,10,12.5,15,20,25,30,50,100.*

Perfect. I have the patch ready to go except for the steps. I will add them and submit the patch in a few minutes.

> *It would be good to have more than the current 4 character spaces in the column for the memory station ID, handy when editing, not displayed on the Icom IC-T8E screen though.*

As far as I know, this is a limitation of the radio, not CHIRP.

> *Also a column for High/Low power setting would be good, the older CHIRP version results in a LOW setting as shown on the display; there is no LOW shown on the display when a key press on the rig changes from high to low and vice versa.*

The driver doesn't map the memory where the power levels are. To take a stab at this I would need...
1 to know what the power levels are
2 have multiple CHIRP Radio Image (*.img) file with the only difference being the power level setting on a particular channel

I can't promise anything, but if you can supply the above power level information, I can at least take a look at it.

Jim KC9HI

#4 - 06/17/2020 07:17 am - Jim Unroe
- % Done changed from 0 to 50

The patch adding the valid tuning steps has been submitted. Once approved, support will be available in the following CHIRP daily build.

Jim KC9HI

#5 - 06/17/2020 08:00 am - Mike Parks

Hi Jim,
Great news re. the spacings.
The rig does only shows the frequency not the name so I think it might be a CHIRP matter and it would not need to be uploaded but merely as a reminder of the repeater callsign.
The power levels are 5W high and 0.5W low. Low power shows as 'LOW' on the display, if High power is button selected there is no note on the display.
Hope this helps.
Regards
Mike - G4UPD

#6 - 06/17/2020 08:10 am - Jim Unroe

Mike Parks wrote:

> *The rig does only shows the frequency not the name so I think it might be a CHIRP matter and it would not need to be uploaded but merely as a reminder of the repeater callsign.*

CHIRP does not edit or supply comments. It only edits the radio's memory. The radio only supplies enough memory to store 4 characters per name, per channel. Sorry, but this is a radio limitation. You might export the channels to a CSV file and add comments to that.

> *The power levels are 5W high and 0.5W low. Low power shows as 'LOW' on the display, if High power is button selected there is no note on the display.*

Thanks for the providing the power levels. I still need the CHIRP "images". At least one *.img file with a channel set to 5W and a second *.img file with the same channel set to 0.5 watts.

Jim KC9HI

#7 - 06/17/2020 08:15 am - Mike Parks

OK re the characters allowed, is now understand.
I don't remember seeing a drop down / whatever in either version of CHIRP that showed power level; I'll have another look when I fire up my Windows PC.
Mike - G4UPD

#8 - 06/17/2020 08:44 am - Mike Parks
- File Icom_IC-T8A_20200616oldchip2.img added

Hi Jim,
attached a CHIRP file from my IC-T8E using the 20190215 version.
Regards and thanks for all your help.
Mike - G4UPD

#9 - 06/17/2020 09:25 am - Jim Unroe

Mike Parks wrote:

> *OK re the characters allowed, is now understand.*
> *I don't remember seeing a drop down / whatever in either version of CHIRP that showed power level; I'll have another look when I fire up my Windows PC.*
> *Mike - G4UPD*

Mike,

There isn't one (yet). What I need is two image. The first one would be a fresh download from your radio. The at the radio you would change the power level of just 1 channel and download again. Supply both image. I then have to compare the two images to see if I can figure out where in the radio the

per-channel power level is stored (assuming it is a per-channel setting). It might be a global setting and that would explain why the author of the IC-T8 driver didn't implement it.

Jim KC9HI

Jim KC9HI

#10 - 06/17/2020 09:37 am - Mike Parks

OK JIm,
I'll try to do what you ask this evening.
I have a zip file of the ICOMUK programming file if that might shed any light for you.
Mike

#11 - 06/17/2020 10:06 am - Jim Unroe

Mike Parks wrote:

> *OK JIm,*
> *I'll try to do what you ask this evening.*
> *I have a zip file of the ICOMUK programming file if that might shed any light for you.*
> *Mike*

There is not rush. Whenever it is convenient for you. I have to work it into my schedule here as well.

Don't attach the ICOMUK programming software to this issue. It is not considered appropriate and would be removed.

Jim KC9HI

#12 - 06/17/2020 10:34 am - Mike Parks
- File Icom_IC-T8A_20200617 Channel 1 HIGH.img added

OK Jim, two files attached. I understand re. the other file.
Regards
Mike

#13 - 06/17/2020 11:27 am - Mike Parks
- File Icom_IC-T8A_20200617 channel 1 LOW.img added

Jim, it looked as though the two files weren't uploaded, hence this new note. Mike

#14 - 06/17/2020 04:39 pm - Jim Unroe

Mike Parks wrote:

>

> *Jim, it looked as though the two files weren't uploaded, hence this new note. Mike*

Thanks, Mike. I'll take a look at them. I'll let you know what I find out.

Jim KC9HI

#15 - 06/17/2020 04:45 pm - Jim Unroe

Mike,

It doesn't look like the transmitter power level is a per-channel setting. If you change it, it changes for all of the channels, right?

Jim

#16 - 06/17/2020 11:58 pm - Mike Parks

Jim,

correct, the power level setting stays even when you change from VFO to MR and back, also the level does not change from band to band.

Mike

#17 - 06/18/2020 12:23 am - Mike Parks

JIm,

It is of course possible to change the power setting at will when moving from band to band and VFO to MR.

Sounds a silly statement but it is factual!

Output power levels do vary depending on the battery pack used.

Mike

#18 - 06/18/2020 04:59 am - Jim Unroe

Mike Parks wrote:

> *Jim,*
> *correct, the power level setting stays even when you change from VFO to MR and back, also the level does not change from band to band.*
> *Mike*

So then all you need to do is set the power level in the radio to the way you want it and then download the radio into CHIRP and save it to a CHIRP Radio Images (*.img) file. If the radio was set to the HIGH power level, then the radio will always be set to the HIGH power level after the upload.

Jim KC9HI

#19 - 06/18/2020 05:35 am - Mike Parks

Jim,

Yes, quite so.

Mike - G4UPD

#20 - 06/21/2020 11:38 am - Anonymous

- Status changed from In Progress to Closed

- % Done changed from 50 to 100

Applied in changeset commit:eae1ccc93439.

Files

Icom_IC-T8A_20200616oldchip2.img	2.1 kB	06/17/2020		Mike Parks
Icom_IC-T8A_20200617 Channel 1 HIGH.img	2.1 kB	06/17/2020		Mike Parks
Icom_IC-T8A_20200617 channel 1 LOW.img	2.1 kB	06/17/2020		Mike Parks