

## CHIRP - Bug # 3737

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	William Kisse	<b>Category:</b>	
<b>Created:</b>	06/11/2016	<b>Assignee:</b>	
<b>Updated:</b>	02/04/2020	<b>Due date:</b>	
<b>Chirp Version:</b>	daily		
<b>Model affected:</b>	TYT TH-9800		
<b>Platform:</b>	All		
<b>Subject:</b>	TH-9800 Won't communicate with most recent build		
<b>Description</b>			
	Build I downloaded - chirp-daily-20160604-installer - works perfectly with my TH-9800		
	Build chirp-daily-20160611-installer will not communicate with TH-9800.		
<b>Related issues:</b>			
related to Bug # 4563: TYT TH-9800+ (PLUS version) - Failed to communicate wi...	<b>Feedback</b>	<b>02/26/2017</b>	

### Associated revisions

#### Revision 2719:b656da94c361 - 06/12/2016 02:58 am - Nathan Crapo

Make radio model identification for TH-7800 and TH-9800 more specific so they don't interfere with each other, or completely different radios. The TH-7800 was ahead of the TH-9800 in the list of Radios to identify against, so Chirp would use it for TH-7800 *and* TH-9800 radios. This patch makes both TH-7800 and TH-9800 drivers check their model more carefully so order of Radios Classes doesn't matter. It's more robust that way.

TH-7800 seems to use "TH9800" for a model string too. Check for a "TH9800" *or* "TH7800" string in the th7800.py driver in case TYT doesn't consistently set the model or in case owners change their model name.

Fixes #3737.

### History

#### #1 - 06/11/2016 06:02 pm - Nathan Crapo

I'm guessing the model detection code isn't working right in the TH-7800 and TH-9800 drivers. I will see if I can fix that.

William, can you provide your debug log? If my theory is correct, I think you can temporarily work around the issue by ensuring TH-9800 is selected before you try to do an upload or download to/from your radio. I'm guessing CHIRP has selected TH-7800 instead. Once I fix the model match code you won't have to do that anymore.

#### #2 - 06/11/2016 08:10 pm - Nathan Crapo

Ignore my last suggestion to force the model - it doesn't work. I just submitted a patch to fix the issue. I was able to reproduce the issue locally without either radio by:

- 1) Run chirp
- 2) Load TH-9800 from tests/images/TYT\_TH-9800.img
- 3) Select Radio->"Upload to Radio"

The model incorrectly shows as TH-7800. TYT TH-7800 files identify as TYT TH-7800. This is because the code in both drivers is not specific enough.

Unfortunately, TYT chose to use "TH9800" as a model name for both radios: TH-7800 *and* TH-9800. Maybe other TH-7800 owners have something different? I used the band-limit registers to determine what model it really was. I also added a check for TH9800 *or* TH7800 in the TH-7800 model check in case TYT fixes this at some time or users update it in their own radios with the OEM software. Hopefully that will be more robust.

**#3 - 06/12/2016 11:07 am - William Kisse**

My most sincere thanks for your prompt attention and time to resolution.

Bravo!

73,

Bill

W3MSH

**#4 - 02/04/2020 04:49 pm - Bernhard Hailer**

- *Status changed from New to Closed*
- *Priority changed from High to Normal*
- *Target version set to chirp-daily*
- *Chirp Version changed from 0.4.0 to daily*
- *Model affected changed from (All models) to TYT TH-9800*
- *Platform changed from Windows to All*

No more input by submitter, looks like this has been fixed for good.