

CHIRP - New Model # 1287

Status:	Blocked	Priority:	Normal
Author:	Kenneth Cox	Category:	
Created:	12/07/2013	Assignee:	
Updated:	10/25/2016	Due date:	
Chirp Version:	0.3.0		
Equipment Loan Offered:	No		
Subject:	Kenwood TM-D710G		
Description	I have a TM-D710G model and can issue commands to gather data if you need so you can add it to Chirp. I have tried but it doesn't work with current version.		

Associated revisions

Revision 2318:c7d3dd7a942b - 01/10/2015 03:40 pm - Dan Smith

changeset: 2304:ac2833aa99bd

tag: tip

parent: 2283:d3f3ad0c14a1

user: Patrick Lang <patrick.lang@hotmail.com>

date: Sun Dec 28 14:49:59 2014 -0800

summary: [TM-D710G] Add support for Kenwood TM-D710G, no functional difference from TM-D710A #1287

History

#1 - 12/07/2013 04:25 pm - Tom Hayward

- Status changed from New to Blocked

Try going through the command reference for the D710A (found on the D710 Yahoo Group) and document the differences.

#2 - 12/29/2013 10:30 am - Tom Hayward

Any luck with this? I suspect most or all of the commands are the same, but the fields returned might be different. This was the case going from the D710 to the D72. I expect the D710G to be very similar to the D72.

#3 - 07/08/2014 03:49 am - John Ronan

Hi,

Tried chirp last night on my TM-D710GE (with wideband TX mod), it wasn't able to recognise my Radio (Windows download), but I'll try a build from source this evening. Is there any diagnostics I can perform?

Thanks

John

#4 - 11/30/2014 03:57 pm - Patrick Lang

I'm getting "An error has occurred. Unsupported model 'TM-D710G'" as well. Chirp 0.40

I'll look into the docs, I don't think there should be any substantial changes to the programming side from the TM-D710A or even TM-V71A from my understanding

#5 - 11/30/2014 05:27 pm - Patrick Lang

I'm still waiting on the yahoo group membership to get the protocol document, but I added it as a new model inheriting from the existing D710 class and it seems to be working so far for reading and writing memory.

#6 - 12/04/2014 08:51 am - Patrick Lang

This looks like the same field order as the older TM-D710A, rather than the TM-D72. It has 16 fields, and reading/writing memory seems ok as-is.

Here's some examples I pulled using a term emulator:

```
ME 000,0146820000,0,2,0,1,0,0,13,08,000,00600000,0,0000000000,0,0
ME 001,0146960000,0,2,0,1,0,0,13,08,000,00600000,0,0000000000,0,0
ME 003,0147340000,0,1,0,1,0,0,12,08,000,00600000,0,0000000000,0,0
ME 004,0145490000,0,2,0,1,0,0,13,08,000,00600000,0,0000000000,0,0
ME 005,0145110000,0,2,0,1,0,0,13,08,000,00600000,0,0000000000,0,0
N
ME u0
,0144390000,0,0,0,1,0,0,29,08,000,00600000,0,0000000000,0,0
ME u1
,0144950000,0,0,0,1,0,0,29,08,000,00600000,0,0000000000,0,0
N
N
MN 000,K7LED
MN 002,K7NWS
MN 003,K6RFK
MN u0
,APRS
MN u1
,W7EFR-10
```

After setting lockout on #4 K7LWH

```
ME 004,0145490000,0,2,0,1,0,0,13,08,000,00600000,0,0000000000,0,1
```

Fields

```
ME 004, - 0 channel number
0145490000, - 1 frequency
0, - 2 tuning step
2, - 3 duplex (-)
0, - 4
1, - 5 tone
0, - 6 tone sql
0, - 7 DTCS
13, - 8 rtone
08, - 9 ctone
000, - 10 DTCS
00600000, - 11 offset
```

0, - 12 mode
0000000000, - 13 split tx frequency
0, - 14 - unknown
1 - 15 - lockout / mem skip

#7 - 12/04/2014 09:49 am - Tom Hayward

So all we need is the model detection? Are you planning to submit a patch to add this? I would also add the experimental warning since this radio has only been lightly tested.

#8 - 12/04/2014 12:57 pm - Patrick Lang

I'm planning to submit a patch within a few days. I'm digging into the code a bit more to see if there are any other model differences that need to be addressed such as `valid_name_length`. I'd like to be able to make some other improvements later on and going through the normal patch/review process seems like a good first step. I also have a TH-D7 and access to a TH-D72 for testing.

#9 - 01/04/2016 03:25 pm - Rob Ogilvie

Are there any updates to this? I have a TM-D710G (the seller reports it as the D710GA, but CHIRP reports it as the TM-D710GP) and I'm trying to work out how difficult it would be to implement support for my radio.

As I only have Mac and Linux systems available, I'm actually unable to program my radio currently, which is quite inconvenient.

#10 - 10/25/2016 03:23 pm - A R

Rob Ogilvie wrote:

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As I only have Mac and Linux systems available, I'm actually unable to program my radio currently, which is quite inconvenient.

I experienced the same issue. Simple solution: use the port on the back of the radio, not the faceplate. Then CHIRP will correctly identify the model.