

sysnog

System Knowledge As I See It

March 13, 2012

How to clone a Yaesu FT-2900

By sysnog

Recently I had one of my FT-2900r ham radios stop working, sort of. I don't think it was broken but the settings had been changed somehow to where I was only able to get what looked like some memory block message "B1000" on the screen, regardless of turning it off and on and switching in and out of memory mode. If I rotated the VFO dial I could increment the number but I was not able to access any of my usual frequencies in memory or in normal VFO operation.



(https://sysnog.files.wordpress.com/2012/03/ft-2900r_thumb.jpg) After *unsuccessfully* going through the "reset to default" procedures, I decided to do some searching on the web to see if anyone else had found this issue. Oddly, I only found a couple folks asking how to get out of the mode but there were no response to their posts.

Next, I thought maybe I can simply "clone" it from one of my other 2900's to get it back to its normal operating mode. I found the Clone section in the manual and began to look

for a cable. After spending some time digging up the original box I was disappointed to find that there was no cable for cloning provided. No problem, they looked easy enough to build.

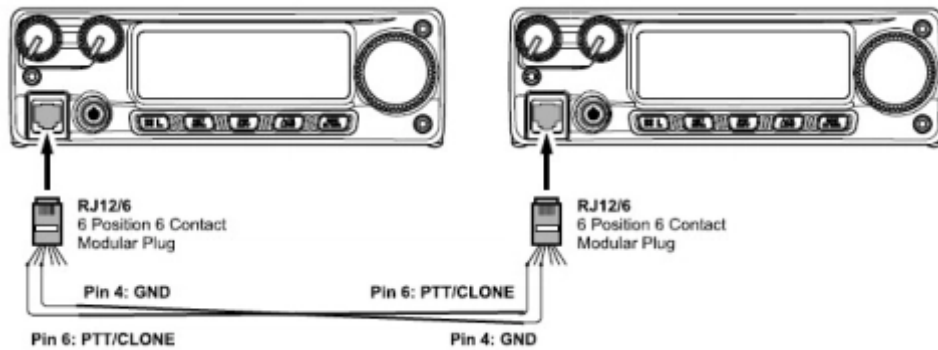
I did find one issue with the manuals diagram for the RJ12 pins a little confusing, the image shows the pins being straight through but after closer inspection I found that the pins were actually crossed. In the end it worked and I was very happy to get the radio back operating. I hope this post will help anyone else who finds this message on their radio and gets them back up and running a bit faster than it took me.

Here's some quick and simple steps to clone your FT-2900.

Tools you will need:

- (2) RJ12 connectors – you can get these from Home Depot, Radio Shack, or a less at Harbor Freight.
- (1) RJ12 6-pin wire crimpers – about \$30 from Home Depot, Radio Shack, or a less at Harbor Freight.
- 1) Make your cable –

I used some cat-5 computer network cable that I had. I cut a short piece off about 15 inches. I then trimmed the shielding off. You only need one twisted pair, you can cut the others off. Straighten the 2 wires out, I used the solid color for Pin 6 and the striped for Pin 4. Be sure to its the same for both connectors, 6 is solid and 4 is striped.



(https://sysnog.files.wordpress.com/2012/03/ft-2900_clone1.jpg).

Now we can begin cloning.

- 2) Turn off both radios
- 3) Connect the new cable to the mic ports
- 4) Press and hold the [Low (A/N)] key while turning on the radio. Do this to both, they will say "CLONE" on the screen.
- 5) On the Destination radio, press the [D/MR (MW)] key to put it in "WAIT" state.
- 6) On the Source radio, press the [MHz (SET)] key to begin sending data, "—TX—" will be displayed. You should see the power meter act like a progress bar.
- 7) When completed the screen will display "CLONE"

If it fails the screen will read "ERROR". At this point you can check your cable connectors and verify the correct pins are wired. If it looks OK try it again. If all else fails call Yaesu Support at (714)827-7600 between 8AM – 5PM PST.

I hope this saves someone some time.

73's

This entry was posted on Tuesday, March 13th, 2012 at 3:35 am and posted in Uncategorized. You can follow any responses to this entry through the RSS 2.0 feed.

4 responses to "How to clone a Yaesu FT-2900"

- *Greg Michie*

January 6th, 2014 at 9:50 pm

I was finally able to clone my radios only after contacting the Yaesu Support number and talking to a technician. The correct pin-out is pin 1 to pin 1 (solid color) and pin 3 to pin 3 striped. I used the brown colors. Pin 1 is on the far left as you look at the rj6/12 with the locking tab down(bottom), and the pins at the top.

Reply

- *Raymond Morris*

March 31st, 2014 at 4:23 pm

Can I use my ft2900 plus any other radio to clone my YESU ft2900

Reply

- *sysnog*

September 14th, 2014 at 3:32 pm

I wouldn't think so, the cloning feature is to copy the same setting from one radio to another, each model has different features.

Reply

- *Zoe Edwards*

June 10th, 2015 at 9:09 pm

Lovely website, it loads really fast and looks very awesome.

Reply

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