2023-10-29   AOR AR-DV1 - "NO res. Mainboard!" fix.

NB! This fix does NOT apply if there is a hardware fault.

The "NO res. Mainboard!" is a bug which arises when the firmware is updated to 2107A with the receiver system date (year) being older than 2014, or after update, the user sets by mistake a date (year) before 2014.

The fix is a bit tricky. No tools required, but you'll need quick fingers. The goal is to enter a new and valid date and time later than 2014. After turning the radio on, it will display the "NO res. Mainboard!" message and start emitting two alternating plops. One lower pitch and one higher pitch. Right after the higher pitch plop, there is a one second window where the radio accepts key presses.

1. Turn on the radio.
2. Wait for the high pitch plop and quickly press F+3 to enter the clock setting menu
3. Now quickly press the down arrow to select the 4th line which shows the system date and time
4. Now enter a valid date/time in the format yy-mm-dd hh:mm, ie 221111 1111 and press ENT
5. Done! Your radio should now be working normally again.

NB! Paragraph 3 and 4 must also be performed as fast as possible as there is a window of just a few seconds before the radio locks up again and you will have to wait for the next high pitch plop for another attempt. It will keep looping at this menu until you're fast enough, so there is no need to turn the radio off and on.

I personally had this problem after an accidental year change to 2012 which triggered the bug. After performing the above procedure, my DV1 worked normally again. I updated the firmware directly after this incident as this bug has actually been fixed by AOR.

My humble thanks to Jeff Marlbrook for his deep knowledge of the DV1 which saved my radio from being an expensive door stop.

73 and good luck

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