

Konrad – Agora's engineer reports xnodes2 nasty behaviour
They use AXIA extensively from year 2008, have A LOT of AXIAs equipment in multiple studios.

Staretd with FW 1.1.0

A few days ago we connected the new xNODE2 for the first time, FW updated to 1.1.0.

Changes in the interface positive, LCD display also OK, extension of AoIP compatibility - great.

Today I noticed a problem.

Perhaps it affects one piece of the device, we have not yet checked on other pieces, but I'm reporting because maybe the topic is already known.

Well, we are testing two xNODE2s MICs connected to each other via a switch, I wanted to simulate a failure by unbundling the axia network.

Instead of a short silence and a quick return of sound we got.... reboot of one Xnode.

Additionally found that momentarily unplugging the RJ45 from the xNODE at one end results in a reboot of the xNODE at the other end of the connection. We do NOT use PoE.

The same thing happens when directly connecting the two xNODEs with a Xcable. Now we see the reboot of the xNODE which subscribed LW streams from the other xNODE.

Let us know if this is new to you, then we will do more thorough testing.

The phenomenon repeats itself every time. Now on the next RJ45 unplugging both xNODEs restarted.

Recomended to change NIC mode to BONDED FAILOVER

BONDED FAILOVER does not help.

by the way - the FAILOVER option (understood as two links plugged into the same switch) does not work as it should, unplugging one also results in a reboot, preceded by a few seconds of buzzing sound. In addition, in FAILOVER mode, I think there is a problem with access to the configuration, as if http works only on one of the RJ's.

Please report to the manufacturer that he sells bubbles for big money, and ask if there is any newer FW available, without defects that prevent you from using this equipment.

I found another failure - sound distortion, some dithering.

It appeared when I tried to adjust the output AoIP gain at RECEIVER. After a few more attempts, the distortion disappeared, later it reappeared again. The sample in the appendix is a FAILURE!

UPDTAED FW to 1.1.2

The latest firmware has reduced the frequency of reboots when the RJ is unplugged. Now it happens occasionally, and not always. Nevertheless, it still takes an unbearably long time for the audio to return - about 25 sec caonted from RJ45 reconnection. In comparison, on the old xNODE after RJ45 reconnection, the audio returns after 1 sec!

The next problem appeared when we interfaced new xNODE2 with old xNODE.

LiveStereo signals produced on xNODE2 cringe when received on old xNODE .

After switching the source to StandardStereo the interference disappears.

The master (leader) is the new xNODE2.

We do tests on a tiny Axia system consisting of three nodes, an iQX and a switch.

Status for today - these new xNODE2 cannot be used.