

Avolites LTD Engineering Change Notice.

ECN title	Titan Net Processor Hyper threading BIOS setting change		
ECN Number	ECN-208		
Related Product(s)	All Titan Net Processors fitted with a LV67H MB !! Fujitsu based TNPS are not affected		
Date / Author	19/01/2017	JB Toby	
Reasons for ECN	Hyper threading on LV67H MB can cause occasional DMX pauses		
Parts required	None		
Tools required	USB keyboard		
Estimated time	10 Minutes		

Background:

Only to TNP units fitted with the LV67H MB Hyper threading enabled may have the the following effect:

When the TNP is under heavy load (processing a large numbers of changing fixture parameters) playback events such as firing, killing, flashing and releasing may be significantly delayed (in the worst cases by 10s of seconds) however shapes and key frame shapes in playbacks that are fired continue to output and cycle smoothly.

Therefore this ECN will change the BIOS setting to Hyper threading disabled

1. Connect a USB keyboard to the TNP
2. Power up the TNP and press [Delete] during boot to enter the BIOS
3. When the BIOS screen shows
4. Using the [Left or Right] keys to select “Advanced” and press [Enter]
5. Using the [Up or Down] keys to select “Processor Configuration” and press [Enter]
6. Using the [Up or Down] keys to select “Intel (R) HT Technology” and press [Enter]
7. Using the [Up or Down] keys to select “Disabled” and press [Enter]
8. Press [F10] and then [Enter]
9. Allow the TNP to restart and check that it loads Titan properly
10. Test the unit to be sure by connecting it to a console and generating DMX

This concludes the ECN

