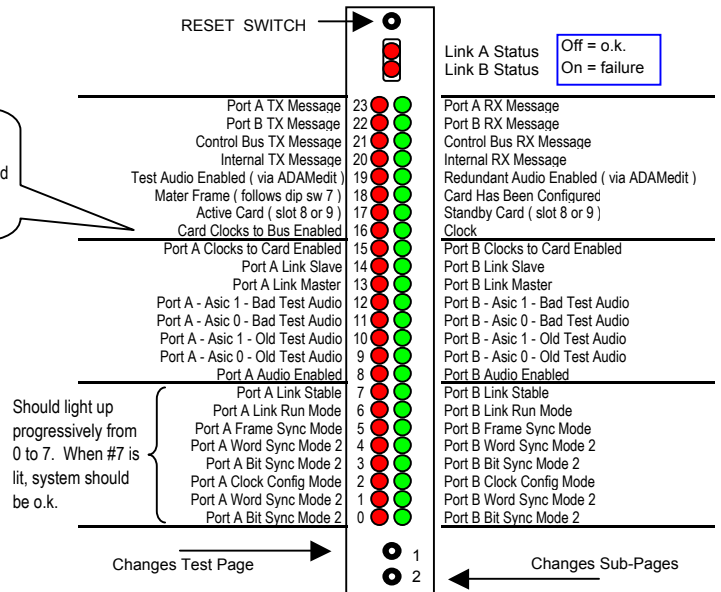
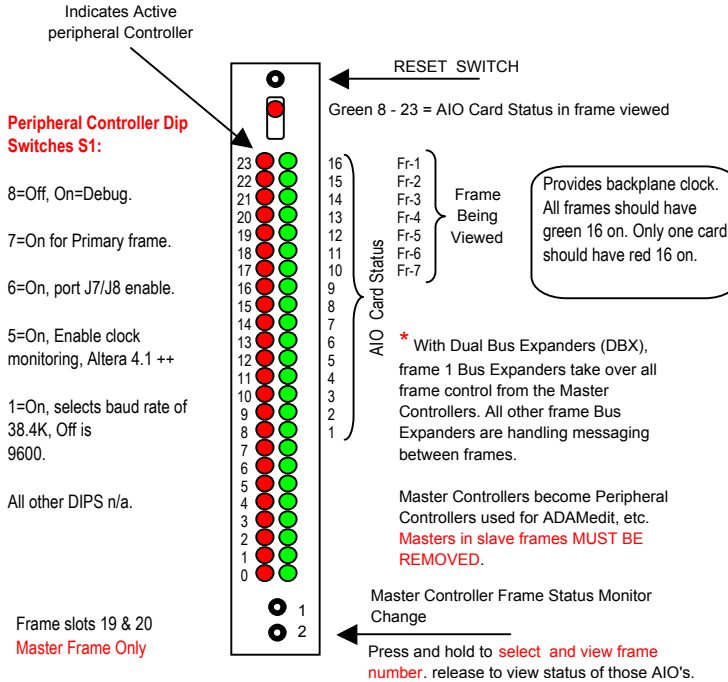


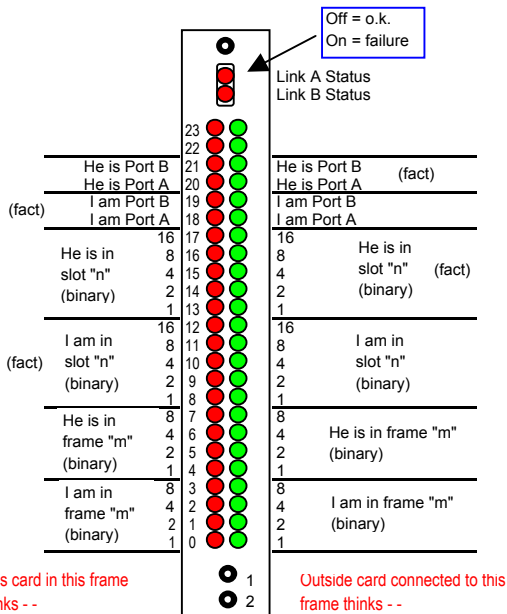
## Dual Bus Expander (DBX) LED Diagnostics

Page 1 (power up default) will always have LEDs 13 or 14 on as well as one #17 from either card (active or standby) in slot 9  
There should never be both 13 & 14 in either green or red.



### Peripheral Controller Status Display

ver 10.x Master Controller Firmware  
was old Master Controller Card



### DBX Frame Wiring Problem Diagnostic Display

"I" refers to the card that is showing this display and "He" refers to the card connected to the port indicated by red LED 18 or 19.

Note: If there is a wiring problem, the DBX cards should indicate it, as they know which cards they should be connected to. If a problem is detected, the DBX card will halt and alternately flash the fail LEDs. The chart above will show where the miswire has occurred. **However**, the DBX cards can't detect TX to TX or RX to RX miswiring.

Press and hold the reset button to note the error LED's otherwise they will clear.

### DBX Port Status Display (page 1)

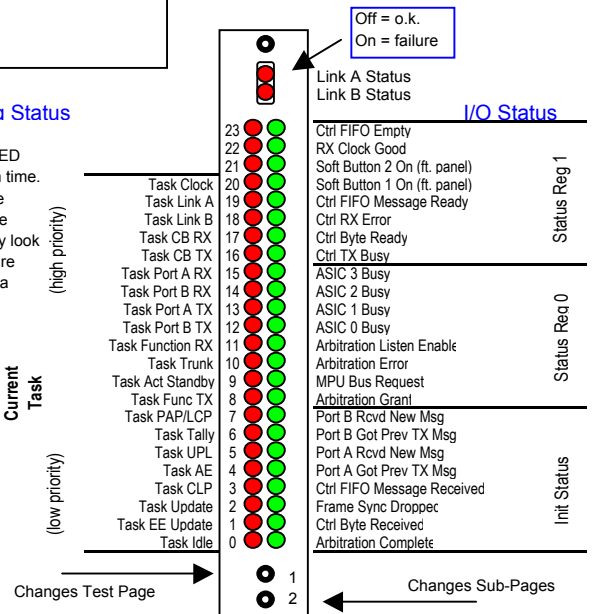
**DBX DIP Switch Settings (each card)**  
Set DIP # 7 on all DBXs as respective Master or Slave Frames.  
# 7 ON = Master Frame, OFF = Slave Frame  
# 8 ON = Debug Mode  
# 1-6 = N/A

#### Tasking Status

Only one red LED on at any given time. However, these displays change rapidly and may look like there is more than one on at a time.

Current Task (high priority)

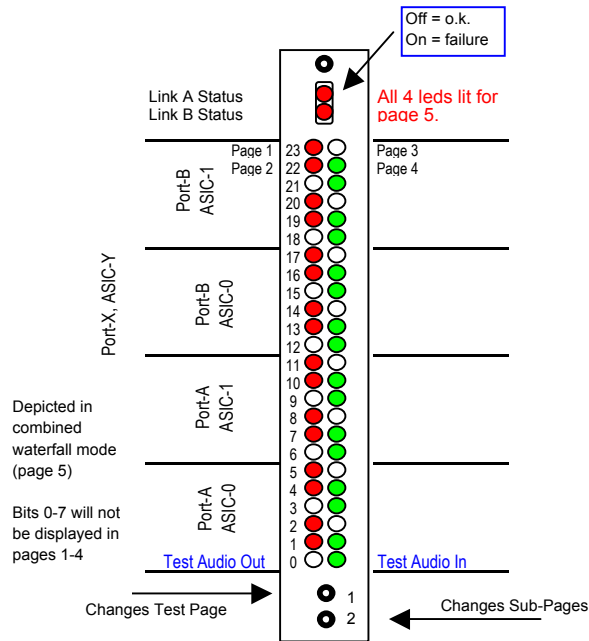
(low priority)



### DBX Executive Display (page 2)

\* No RED LED should be on continuously (without any other RED LEDs flashing). If it is, the DBX may have crashed and the lit RED LED will indicate which task was running when the system crashed.

## Dual Bus Expander (DBX) LED Diagnostics



DBX Test Audio Display - Waterfall  
(page 3)

| RED                         | Sub-Pages | GREEN                          |
|-----------------------------|-----------|--------------------------------|
| Port-A, ASIC 0 Audio Out    | page 1    | (1) Port A, ASIC 0 Audio In    |
| Port-A, ASIC 1 Audio Out    | page 2    | (2) Port A, ASIC 1 Audio In    |
| Port-B, ASIC 0 Audio Out    | page 3    | (3) Port B, ASIC 0 Audio In    |
| Port-B, ASIC 1 Audio Out    | page 4    | (4) Port B, ASIC 1 Audio In    |
| Combined Audio Out (folded) | page 5    | (5) Combined Audio In (folded) |

Note: In the combined display, the 24 bit audio samples of each ASIC are "folded" twice, (i.e. upper 12 bits or'd with lower 12 bits, then upper 6 bits of the 12 or'd with the lower 6 bits), and displayed as 6 bits per ASIC as indicated by the legend of the right side of the above chart.

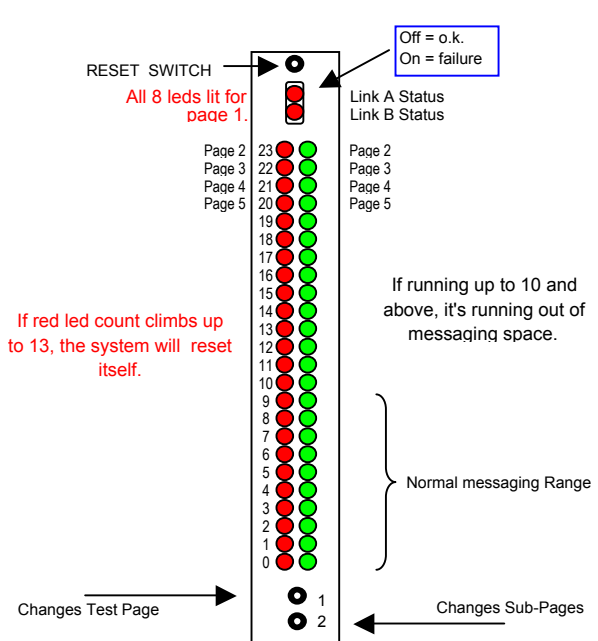
Use the bottom button to select sub-pages.

Sub-page number is displayed on bits 22-23 while bottom button is pressed and held in.

Control Bus TX Target is only shown when frame being viewed is your frame.

Slave frames only display its own frame. Frame 1 can display any frame in the system.

Pages 1,3,5 very useful in determining link status. Links can be displayed as up on page 1 but if a control bus problem exists, that will be displayed on page 5.

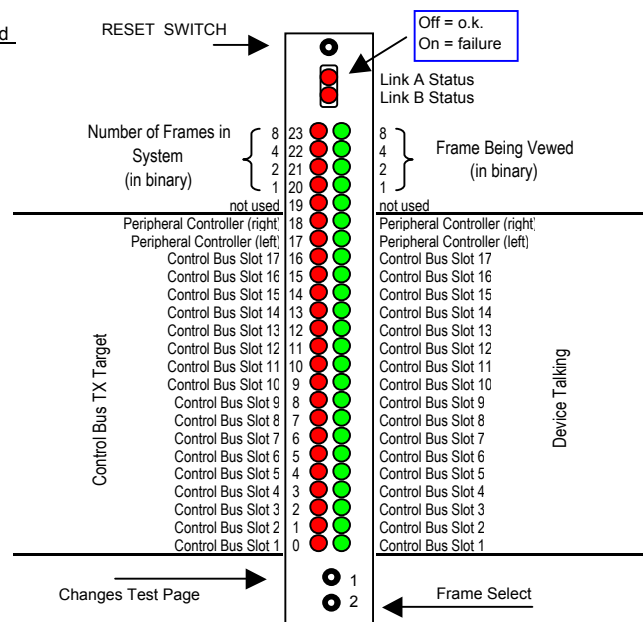


DBX Message Queue Display  
(page 4)

| RED                   | Sub-Pages | GREEN                                 |
|-----------------------|-----------|---------------------------------------|
| Max Message Allocated | page 1    | Messages Currently in Use (real time) |
| Queue to Port A       | page 2    | Queue to Port B                       |
| Queue to Local MC     | page 3    | Queue to Local AIO Cards              |
| Queue to ADAMedit     | page 4    | Queue to Command Line Protocol        |
| Queue to PAP/LCP      | page 5    | Queue to This Card                    |

Use the bottom button to select sub-pages.

Sub-page number is displayed on bits 22-23 while bottom button is pressed and held in.



DBX Card Status Display  
(page 5)