

1. Install Tally System Console 2 from

[ftp://TSI\\_USER2%2Eimagevideo%2Ecom:xiS8od@www.imagevideo.com/GB/ TALLY\\_CONSOLE/](ftp://TSI_USER2%2Eimagevideo%2Ecom:xiS8od@www.imagevideo.com/GB/ TALLY_CONSOLE/)

2. Download files from:

[ftp://TSI\\_USER2%2Eimagevideo%2Ecom:xiS8od@www.imagevideo.com/GB/ FILES/BP-Aug-2018/](ftp://TSI_USER2%2Eimagevideo%2Ecom:xiS8od@www.imagevideo.com/GB/ FILES/BP-Aug-2018/)

3. Unzip files from "TSI-Redis-Bpix.ZIP".
4. Run VmWare Player, navigate to TSI-Redis-Bpix folder, and run VM "TSI-Redis".
5. Press Ctrl-G to access the terminal (Ctrl-Alt will cancel this state).
6. To change IP address of TSI-4000 VM press the following three keys sequentially: "T", then "3", then Enter to get this screen:

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03:Comm debug                                     page 1   of 108
Wtchdog on      000      Interface#      001      FastSave      000
Shared CPU     65535     Sr blocking    001      Tq CHgList    00000
TskChk Ctr     000      Sys Eval   015      SysErrCnt     4778
TskChk On      000      TskChk Err 000      Trace max     040
Gbln str tmr   90000     Gbln err tmr 240000   Gbln str sts  00032

Net Info:IPA,SNM,GTW,MAC  Tab:Select F3:Execute F4:Discard
NET1  [192.168.000.161]  255.255.255.000  192.168.000.252  00.25.90.ca.b7.17
NET2   192.168.002.161  255.255.255.000  000.000.000.000  00.25.90.ca.b7.16
      000.000.000.000  000.000.000.000  000.000.000.000  00.00.00.00.00.00
      000.000.000.000  000.000.000.000  000.000.000.000  00.00.00.00.00.00

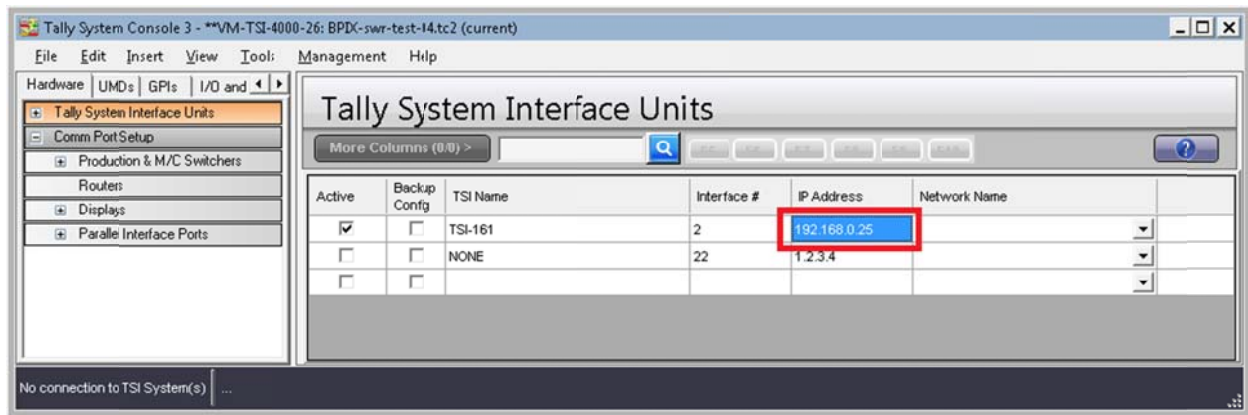
NET1      000.000.000.000  000.000.000.000
NET2      000.000.000.000  000.000.000.000
      000.000.000.000  000.000.000.000
      000.000.000.000  000.000.000.000

TAB,type,ENTER,F3 to save and reboot>_
DbgIPAddress  000.000.000.000  000.000.000.000  F1:(Insert,n.n.n.n,Enter)
DbgThreadID   00000                                F2:(Insert,n,Enter)
```

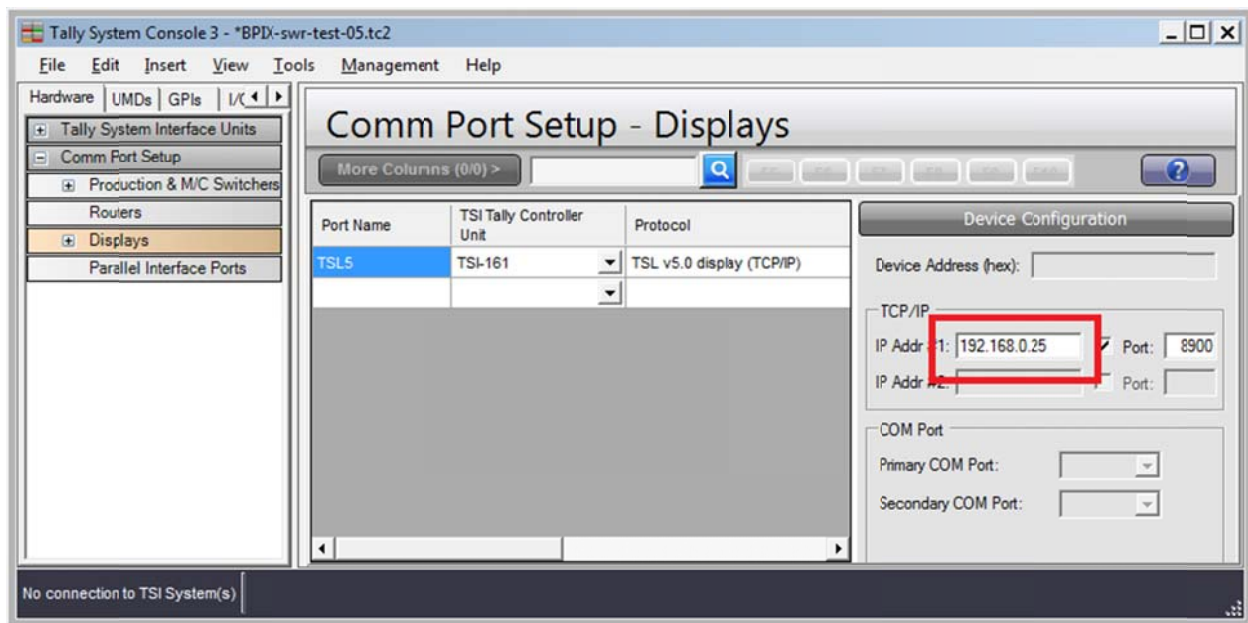
7. Press Tab twice to position the square bracket cursor over the "NET1" IP address.
8. Type the IP address and press enter.
9. Tab to the subnet and gateway setting and repeat as needed.
10. Press F3 to accept the changes. The program will restart.

11. Start Tally System Console and load file “BPIX-swr-test-05.tc2”

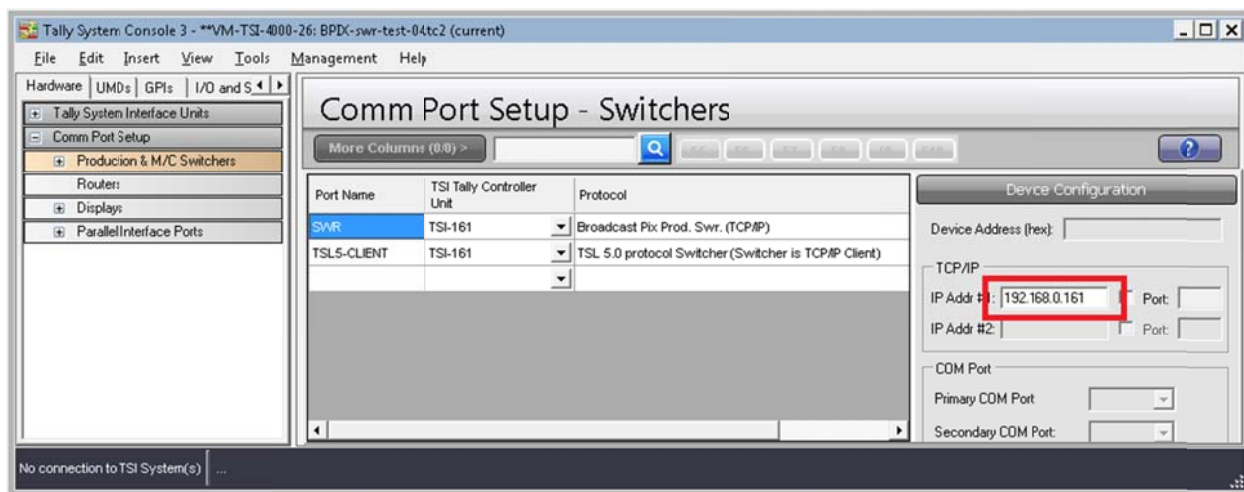
12. Click Hardware > “Tally System Interface Units” and modify TSI-4000 IP address to suit your network.



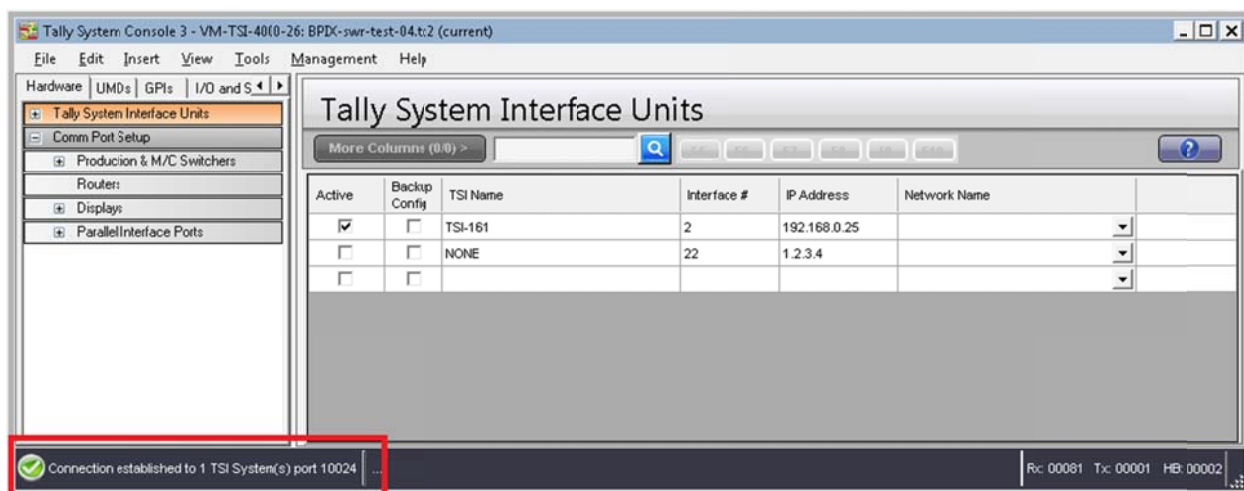
13. Click Hardware > “Comm Port Setup” > Displays > TSL5. Modify this IP address to match that of the previous step (same as Tally System Interface Unit).



14. Click Hardware > Switchers > SWR and set the IP address to that of your Broadcast Pix Production Switcher.



15. Press Ctrl-U to upload the changes.
16. Return to the Virtual Machine terminal and press Ctrl-A, Ctrl-R to restart the program.
17. At the Tally System Console press Ctrl-K to connect to the TSI-4000.



18. Click on UMDs > Display Devices, then click on “More Columns”

The screenshot shows the TallySystem Console 3 interface. The 'Display Devices (UMDs)' window is open, displaying a table of UMDs. The 'More Columns (2/2)' button is highlighted with a red box. The table has the following columns: UMD Device Name, Section #, Live Display, Raw Control, and Raw Expression. The table lists 16 UMDs, with the first four showing 'Prog', 'Prev', 'ProgME1', and 'PrevME1' respectively, and the remaining 12 showing 'SRC' (Source) values from SRC-1 to SRC-16. The 'Live Display' column shows the state of each source, with 'Prog' and 'Prev' in green and 'SRC' in red or amber.

| UMD Device Name | Section # | Live Display    | Raw Control | Raw Expression                                                         |
|-----------------|-----------|-----------------|-------------|------------------------------------------------------------------------|
| 001             | 1         | Prog : SRC-2    |             | a(1)Prog : "sl"SWR:Prog",A,100)                                        |
| 002             | 1         | Prev : SRC-7    |             | a(1)Prev : "sl"SWR:Prev",A,100)                                        |
| 003             | 1         | ProgME1 : SRC-7 |             | a(1)ProgME1 : "sl"SWR:ProgME1",A,100)                                  |
| 004             | 1         | PrevME1 : SRC-3 |             | a(1)PrevME1 : "sl"SWR:PrevME1",A,100)                                  |
| 101             | 1         | SRC-1           |             | sv(TA,1)sv(S,"_DA::SRC-1")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 102             | 1         | SRC-2           |             | sv(TA,1)sv(S,"_DA::SRC-2")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 103             | 1         | SRC-3           |             | sv(TA,1)sv(S,"_DA::SRC-3")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 104             | 1         | SRC-4           |             | sv(TA,1)sv(S,"_DA::SRC-4")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 105             | 1         | SRC-5           |             | sv(TA,1)sv(S,"_DA::SRC-5")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 106             | 1         | SRC-6           |             | sv(TA,1)sv(S,"_DA::SRC-6")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 107             | 1         | SRC-7           |             | sv(TA,1)sv(S,"_DA::SRC-7")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 108             | 1         | SRC-8           |             | sv(TA,1)sv(S,"_DA::SRC-8")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 109             | 1         | SRC-9           |             | sv(TA,1)sv(S,"_DA::SRC-9")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv  |
| 110             | 1         | SRC-10          |             | sv(TA,1)sv(S,"_DA::SRC-10")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |
| 111             | 1         | SRC-11          |             | sv(TA,1)sv(S,"_DA::SRC-11")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |
| 112             | 1         | SRC-12          |             | sv(TA,1)sv(S,"_DA::SRC-12")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |
| 113             | 1         | SRC-13          |             | sv(TA,1)sv(S,"_DA::SRC-13")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |
| 114             | 1         | SRC-14          |             | sv(TA,1)sv(S,"_DA::SRC-14")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |
| 115             | 1         | SRC-15          |             | sv(TA,1)sv(S,"_DA::SRC-15")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |
| 116             | 1         | SRC-16          |             | sv(TA,1)sv(S,"_DA::SRC-16")sv(TXT,s(v(S),if(len(v("___TEXT")),0,A)))sv |

The first four displays will show that crosspoint selected by the Program, Preview, M/E-1 Program, and M/E-1 Preview. The others will generate tally (red and amber) indicating the state of each source on program or preview.

