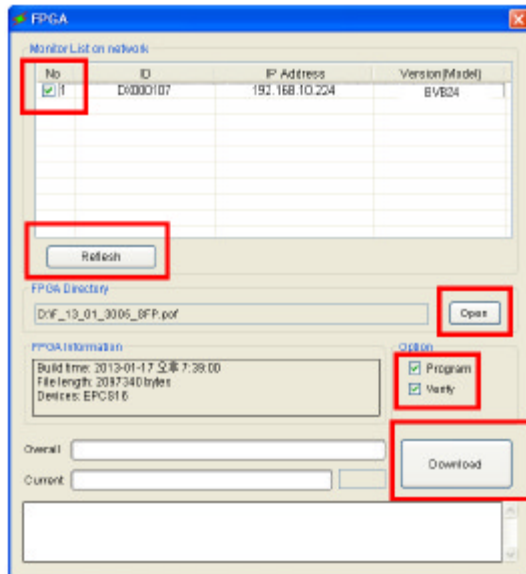# Procedure – LVB, PVB, BVB **FPGA upgrade**

2015-03-20-BLM, 2016-06-04-mb, 7/13/17-mb.

Materials & Software
1. Requires BSC-100 vers. 3.0.1 or later (see BSC-100 manual for installation and full operation details)
2. Reference: PC 2nd NIC setup procedure: NICquickprocedure_BSC_FPGA.pdf
    (for when PC is on office network subnet different from Monitor on second NIC card)

Assembly & Procedure
1. Connect monitor and PC to network router of same subnet (for example, 192.168.0.X).
2. Start BSC-100 and select 'FPGA ISP' under Tool Menu:

3. Click Refresh button (to find attached monitor[s]).
4. Select monitor in list (click on check-box).
5. Open FPGA.pof file (copied to local PC before disconnecting from Network [due to NIC Disable/Enable]).
6. Click-check the Program and Verify boxes
7. Click Download button
8. When status box says "IP Programming is successfully finished", connect another monitor, or exit program and reconnect to the network.