

x0xi0 Build Manual for Custom PCB's & Custom Enclosure		Change Log	v1.04
Date	Change	Rev	
12-13-2011	page 5, R234 & R268 added to List of LED resistors. These are LED resistors, not 10k.	1.0	
12-13-2011	page 5, R207,R254,R255,R270 removed from the List of LED resistors. They should be 10k resistors.	1.0	
12-13-2011	page 5, symbol for R234 was highlighted the wrong color. It is now highlighted green to indicate LED resistor.	1.0	
12-13-2011	page 5, symbol for R237 was mislabeled R234. The designation has been corrected to indicate R237.	1.0	
12-13-2011	page 5, R245 & R258 removed from the List of 10k resistors. They are Led resistors and were added to the correct List	1.0	
12-13-2011	page 5, R206 & R259 missing from the List for 10k resistors. They have been added.	1.0	
12-13-2011	page 5, R36 removed from the list for 10k resistors.	1.0	
12-13-2011	page 5, R145 removed from the List for 10k.	1.0	
12-13-2011	page 7, R145 added to the List for 1k. Symbol color also added.	1.0	
12-13-2011	page 7, R234 resistor symbol color removed. The symbol should not be colored in this step.	1.0	
12-13-2011	page 8, R106 resistor symbol color removed. The symbol should not be colored in this step. It is 24k on another page.	1.0	
12-13-2011	page 8, R135 resistor symbol color removed. The symbol should not be colored in this step. It is 4.7k on another page.	1.0	
12-13-2011	page 10, R36 added to a new List for 11k. Resistor symbol also highlighted to correspond with List.	1.0	
12-13-2011	page 10, R271, added to to indicate it is 5.1M on newer kits. Older kits used 10M. 5.1M is recommended.	1.0	
12-13-2011	page 11, R159 removed from the Not Used List. It is 33k and installed in an earlier step.	1.0	
12-13-2011	page 11, R155 added to the Not Used List.	1.0	
12-20-2011	page 30, D309 replaced with Jumper. (This change only necessary for kit using custom enclosure)	1.0	
01-05-2012	page 9, component R135 is highlighted added to the list as 4.7k, was missing.	1.01	
01-01-2012	page 82, picture was showing probe on the wrong pin.	1.01	
01-01-2012	page 82, added picture showing probe connected to pin 3 of VR4.	1.01	
01-01-2012	page 82, text incorrectly stated to test pin 2 of VR3. Fixed to indicate pin 3 of VR4.	1.01	
02-29-2012	page 12, added LM358 as primary option for IC11.	1.02	
02-29-2012	page 20, added 2SC1815GR as primary option for Q3 & Q4.	1.02	
02-29-2012	page 26, C202 added to the text list and highlighted in pic.	1.02	
02-29-2012	page 31, R320 & R323 highlighted parts removed from the picture.	1.02	
02-29-2012	page 42, removed R476 as 1k. It is 10k and is already shown on page 40.	1.02	
02-29-2012	page 46, added LM358 as primary option for IC401.	1.02	
02-29-2012	page 78, fixed Pad number for testing for 5.333V. Before indicated Pad 5, fixed to indicate Pad 6.	1.02	
02-29-2012	page 82, picture showing test pin of VR4 was wrong, replaced with correct picture.	1.02	
02-29-2012	page 94, text describing Xmod testing was incorrect.	1.02	
02-29-2012	page 101 & 102, it was not indicated which potentiometers to use for VR301 & VR302.	1.02	
02-29-2012	page 111, pads E & F were described as connecting to the x0xi0 Top PCB. This was incorrect, they connect to Mainboard.	1.02	
02-29-2012	page 118, component R161 was missing from list of parts for the Mixer PCB.	1.02	
05-22-2012	page 5 added to indicate default LED colors and corresponding resistor values.	1.03	
05-22-2012	page 9, instruction added indicating new value for R127 when using BA6110.	1.03	
05-22-2012	page 35, added NJM4558 as option for IC301	1.03	

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05-22-2012	page 46, updated IC specs to indicate TLC272 option	1.03	
05-22-2012	page 47, C412 changed from 10uF to 0.33uF for kits shipping after May 5 2012. Notes added.	1.03	
05-22-2012	page 47, C415 changed from 6.8uF to 4.7uF for kits shipping in 2012 onwards. Notes added.	1.03	
05-22-2012	page 51 added to indicate jumper that is placed on kits shipped from May 2012 onwards.	1.03	
05-22-2012	page 52 updated to indicate whether or not to place Q409 & Q410.	1.03	
05-22-2012	page 53, Q403 was shown upside-down in the layout picture.	1.03	
05-22-2012	page 59, LED405 & LED406 orientation was shown upside-down in the layout picture.	1.03	
05-22-2012	page 95, notes added concering J6 connections.	1.03	
05-22-2012	pages 118-122, added instructions for Mixer PCB install for the latest Rev 2.0 mainboard	1.03	
05-22-2012	page 130-140 added to detail screws used for enclosure assembly.	1.03	
07-25-2013	page 47, fixed errors in notes for C412 & C415.	1.04	
07-25-2013	pages 70-73, added Section 8 to detail mainboard fabrication errors.	1.04	
07-25-2013	page 79 & 80, corrected text and pic to show direct CV connection to pad 7, not pad 27	1.04	
07-25-2013	page 83, added more waveform pics to show variation.	1.04	
07-25-2013	page 96 added to show wire connections to SW302. This step was missing previously.	1.04	
07-25-2013	page 98, picture update to show correct wire connections/orienatation for SW301.	1.04	
07-25-2013	page 111, added line p) showing the connection of Pad A on the x0xi0 I/O PCB to J7-1 on the x0xb0x I/O Board.	1.04	
07-25-2013	page 111, added line q) showing the connection of red wire to pad S on the x0xi0 I/O board.	1.04	
07-25-2013	page 148, test procedure for VCO Jack removed because this version of kit does not have VCO Out.	1.04	
07-25-2013	page 149 added to show connection of red wire from pad S of x0xi0 I/O PCB to pad T on the x0xi0 Top PCB.	1.04	
07-25-2013	page 152, fixed the picture to show the test lead connected to the correct pin of the volume pot.	1.04	