

xOxiO Build Manual for Custom PCB's & Standard Enclosure		Change Log	v1.04
Date	Change		Rev
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 5, R145 added to the List for 1k. Symbol color also added.		1.0
12-13-2011	page 6, R234 & R268 added to List of LED resistors. These <i>are</i> LED resistors, not 10k.		1.0
12-13-2011	page 6, R207,R254,R255,R270 removed from the List of LED resistors. They should be 10k resistors.		1.0
12-13-2011	page 6, symbol for R234 was highlighted the wrong color. It is now highlighted green to indicate LED resistor.		1.0
12-13-2011	page 6, symbol for R237 was mislabeled R234. The designation has been corrected to indicate R237.		1.0
12-13-2011	page 7, 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 7, 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
01-01-2012	page 86, picture was showing probe on the wrong pin		1.01
01-01-2012	page 86, added picture showing probe connected to pin 3 of VR4		1.01
01-01-2012	page 86, text incorrectly stated to test pin 2 of VR3. Fixed to indicate pin 3 of VR4.		1.01
01-01-2012	page 108, picture showed incorrect connection of red wire from shielded cable.		1.01
05-22-2012	page 6 added to indicate default LED colors and corresponding resistor values.		1.02
05-22-2012	page 9, component R135 is highlighted added to the list as 4.7k, was missing.		1.02
05-22-2012	page 9, instruction added indicating new value for R127 when using BA6110.		1.02
05-22-2012	page 12, added LM358 as option for IC11 (newer kits).		1.02
05-22-2012	page 20, added 2SC1815GR as option for Q3 & Q4 (newer kits).		1.02
05-22-2012	page 26, C202 0.1uF added to text list and highlighted in pic.		1.02
05-22-2012	page 32. R303 added to the list for 10K.		1.02
05-22-2012	page 35, added NJM4558 as option for IC301 & IC302.		1.02
05-22-2012	page 46, removed R476 as 1k. It is 10k and is already placed on page 45.		1.02
05-22-2012	page 50, added LM358 as primary option for IC401.		1.02
05-22-2012	page 50, updated IC specs to indicate TLC272 option		1.02
05-22-2012	page 50. Note added regarding IC sockets.		1.02
05-22-2012	page 51, C412 changed from 10uF to 0.33uF for kits shipping after May 5 2012. Notes added.		1.02

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Date	Change	Rev	
05-22-2012	page 51, C415 changed from 6.8uF to 4.7uF for kits shipping in 2012 onwards. Notes added.	1.02	
05-22-2012	page 55 added to indicate jumper that is placed on kits shipped from May 2012 onwards.	1.02	
05-22-2012	page 56 updated to indicate whether or not to place Q409 & Q410.	1.02	
05-22-2012	page 57, Q403 was shown upside-down in the layout picture.	1.02	
05-22-2012	page 60, list of potentiometers was messed up. Fixed.	1.02	
05-22-2012	page 63, LED405 & LED406 orientation was shown upside-down in the layout picture.	1.02	
05-22-2012	page 82, fixed pad number for testing for 5.333V. Before indicated Pad 5, fixed to indicate Pad 6.	1.02	
05-22-2012	page 86, picture showing test pin for VR4 was wrong. Pic replaced with correct image.	1.02	
05-22-2012	page 98. text describing Xmod testing was incorrect.	1.02	
05-22-2012	page 99, notes added concering J6 connections.	1.02	
05-22-2012	page 107, component R161 missing from list. It's 1k.	1.02	
05-22-2012	pages 108-110, added instructions for Mixer PCB install for the latest Rev 2.0 mainboard.	1.02	
07-25-2013	page 51, fixed errors in notes for C412 & C415.	1.03	
07-25-2013	pages 74-77, added Section 8 to detail mainboard fabrication errors.	1.03	
07-25-2013	page 83 & 84, corrected text and pic to show direct CV connection to pad 7, not pad 27	1.03	
07-25-2013	page 87, added more waveform pics to show variation.	1.03	
07-25-2013	page 101, added line q) showing the connection of Pad A on the x0xi0 I/O PCB to J7-1 on the x0xb0x I/O Board.	1.03	
07-25-2013	page 126, fixed picture to show the test lead connected to the correct pin of the volume pot.	1.03	
10-09-2013	pages 83-87, updated text to describe VCO1 tuning in more detail	1.04	
10-09-2013	page 95 added to show VCO2 CV connection	1.04	