When initially plugged in, or after a power outage long enough to completely drain the backup capacitor, the clock will flash "12" until the time has been set. The clock has several minutes of reserve power, so a brief outage or moving the clock to a different outlet is not a problem.

Press the SET (left rear) button to enter setting mode, starting with the hours. Additional presses of the SET button will step through the settable values in the table below. The value currently being set is indicated by a label (composed of two overlapped digits) on the left Nixie tube. 1-digit values are displayed on the right tube. 2-digit values are displayed on both tubes, alternating with the label. 3-digit values show the first digit at the same time as the label, followed by the other two digits. The switch on the front of the clock will raise (right) or lower (left) the displayed value. Both switches auto-repeat at a rate of twice per second if held.

DOWN/UP

SET

LABEL	DESCRIPTION		RANGE	ORIG. VALUE	YOUR VALUE
0	Hours	Always entered in 24 hour format - add 12 to hours after noon	0-23		
0	Minutes	Changing the minutes will reset the seconds to zero	0-59		
0	Month		1-12	Settings from Month on down are non-volatile	
0	Day		1-31		
0	Century		20-99		
0	Year		0-99		
0	Normal display mode	Add together any of the following values: 1 - hours & minutes 2 - seconds 4 - month & day 8 - year 16 - test/demo mode	0-16	3	
0	Display mode when switch pushed right		0-16	8	
0	Display mode when switch pushed left		0-16	4	
0	Display options	Add together any of: 1 - 24 hour time format 2 - day before month 4 - year before date 8 - lead zero blanking	0-15	8	
0	Duration of digits	Units are 1/120 second	25-240	85	
0	Gap between digits	Units are 1/120 second	0-60	5	

Pressing the SET button one more time will exit setting mode.
The clock will also exit setting mode automatically after several minutes of inactivity.

This is the label on the
bottom of the clock:

DOWN ↑ UP

Nixie Clock type 2a #3

http://pobox.com/~JasonHarper/Nixie2a.html

JasonHarper@pobox.com

120V 60Hz ONLY

0 Hours	TIME SETTING SUMMARY
0 Minutes	
0 Month	
0 Day	
0 Century	
0 Year	
2 Normal	1 hours & mins 2 seconds
3 Right	4 month & day 8 year
4 Left	16 test/demo
5 Options	1 24 hour time 2 day < month
3 Digit time	4 year < date 8 leading zero
2 Gap time	blanking

↙ SET switch on rear