

Assembly Notes

Finned Case For Nixie FunKlock



REVISION HISTORY



Issue Number	Date	Reason for Issue
1	10 Nov 2016	New document

1. APPLICABILITY

This case is suitable for the following Nixie Clocks:

'FunKlock': PCB dates 26 Aug 13
10 Sept 13

2. PACK CONTENTS

Component	Qty	Further info
Case	1	
Plexi rear cover	1	
M3 X 6mm screw	4	
M3 X 2mm washer	8	
M3 X 8mm hex Male / Female spacer	4	
M3 X 11mm hex Male / Female spacer	4	
Rubber Foot	4	

3. TOOLS REQUIRED

A small multi tool with hex key and sockets adapters is ideal for assembling the case:



Alternatively, a 2mm allen key and a small pair of long nose pliers will be satisfactory.

4. ASSEMBLY NOTES

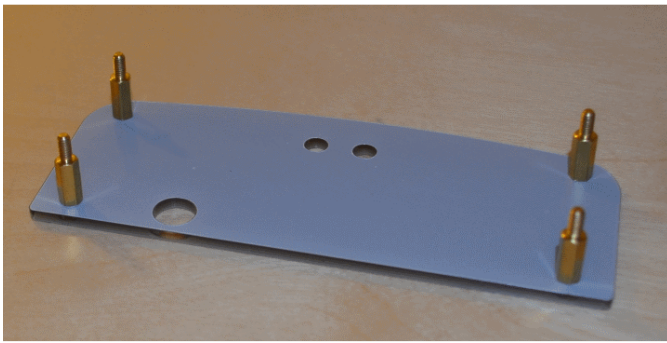
4.1 Prepare the PCB

If you previously soldered the horizontal switches as used in the standard kit and for the Plexi Case, these will need to be removed and the vertical switches soldered. If you are concerned you do not have the skills to safely remove the switches please contact us.

Ensure the AM / PM neons align with the holes in the case by making a test fit and any adjustments necessary. Also make sure that the tube lighting LEDs align with the corresponding holes in the tube PCB.

4.2 Attachment of the Tube PCB

Separate the two PCBs and put the driver PCB to one side for later. Place the four longer 11 mm spacers loosely over the four holes on the rear cover:



Then place the tube PCB over the four studs and place a 2mm washer over each stud:



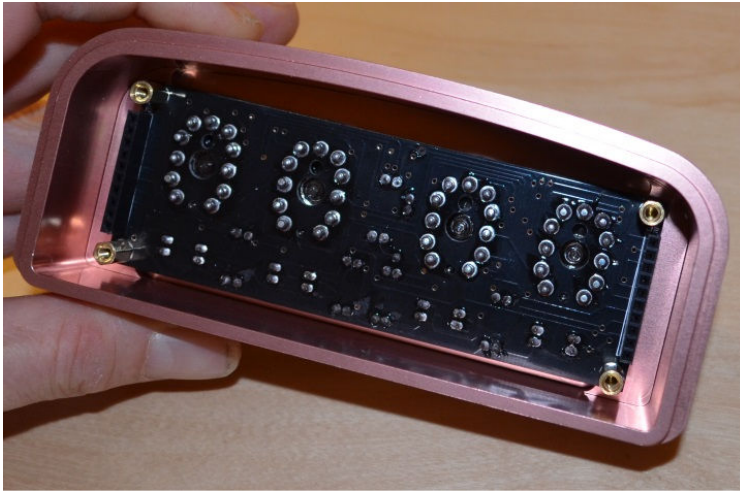
carefully lift the case cover and place on a stand which is narrow enough to pass into the case body:



Now carefully place the case over the top ensuring the neons align with their holes:



Keeping the PCB pressed into the case, invert the assembly, remove the plexi base and then tighten the four spacers but do not over-tighten:



4.3 Attach the Driver PCB

Place the driver board into position, ensuring the tube lighting LEDs locate correctly in the holes in the tube PCB and attach with the 8mm spacers and 2mm washers:



4.4 Place the Rear Cover

Peel the protective film from the laser-cut rear cover. You can use warm soapy water if any traces of film remain around the engraved areas. Place the rear cover and secure with 4 X M3 screws:



4.5 Place the Rubber Feet

Don't forget to apply the four rubber feet on the base of the case.