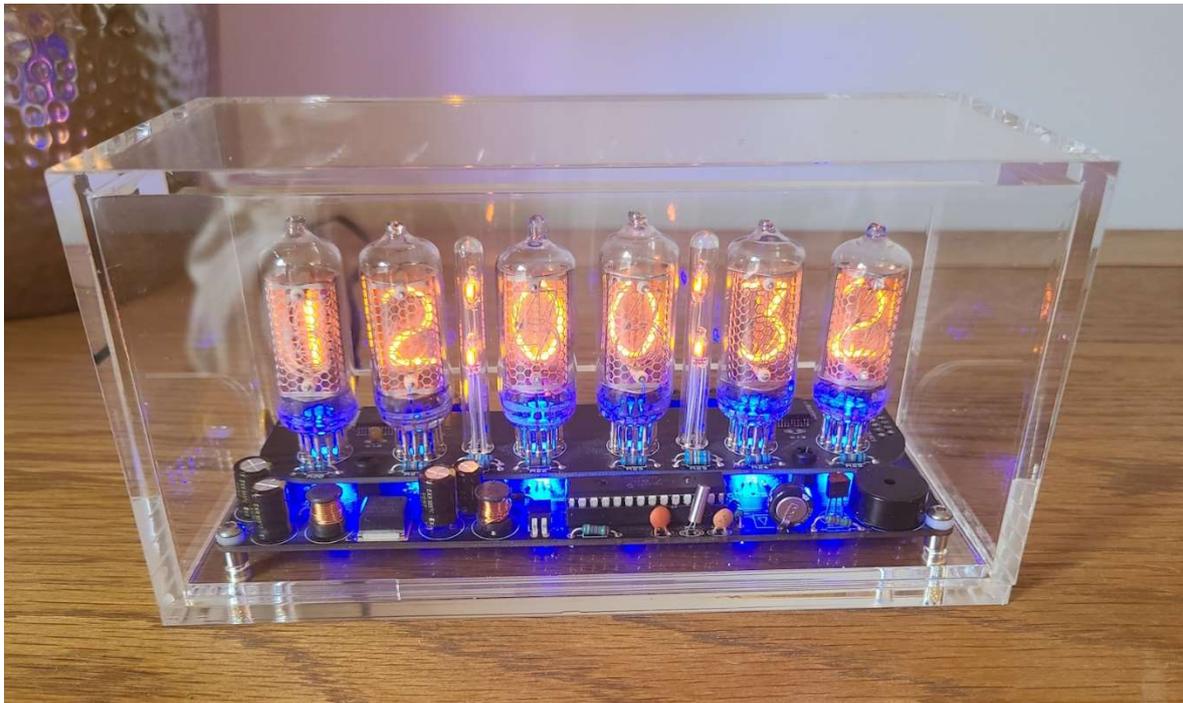


# Assembly Notes

## Prisma Case For Nixie Clock 'QTC, QTC+ and Elite'



## REVISION HISTORY

Issue Number	Date	Reason for Issue
1	27 August 2025	New document

### 1. APPLICABILITY

This case is suitable for the following Nixie Clocks:

QTC+: All PCB Dates

Elite: All PCB dates

QTC: All PCB Dates

### 2. PACK CONTENTS



### 3 PACK CONTENTS DESCRIPTION

Component	Qty	Further info
Mitre-Cornered Cover Case	1	
5mm Plexiglass Base Plate	1	
3mm Plexiglass Cover Locator	1	
M3 X 16mm Button Head Screw	4	
M3 Brass Captive Insert	4	
4mm Nickel Plated Spacer	4	
Self Adhesive Rubber Feet	4	

## 4 CASE ASSEMBLY

### 4.1 Placement of Brass Captive Inserts

Take care to insert from the bottom face of the 5mm Base Plate. This can be identified by one of the following:

- Label: 'Insert Brass Sockets From This Side'
- Opposite side to the printed branding on the plexiglass

At each corner, peel back a little of the protective film, to expose the corner hole. Press the insert in firmly, then remove the protective film completely.



### 4.2 Placement of 3mm Cover Locator

Remove the protective film from the 3mm Cover Locator, then place over the 5mm Base Plate aligning the 4 holes.



### 4.3 Placing the 4mm Spacers

Place a 4mm spacer over each of the corner holes. It's likely they will be dislodged somewhat when placing the PCB, but their position can be adjusted at that point so they are concentric with the Plexiglass holes. Also, place a 2mm nylon spacer on each of the 16mm screws.



### 4.4 Secure the PCB to the Plexiglass Base

We recommend to remove tubes and neon glass covers (QTC+) or tube PCB (Elite), prior to attaching the clock PCB. This will avoid the possibility of tubes interfering, or neon glass covers falling off and breaking!

Gently lower the clock PCB onto the 4mm spacers, aligning the four PCB holes with the spacers as best you can. The 4mm spacers can be adjusted for concentricity as you place each screw.

Insert each screw / 2mm spacer and initially just locate and engage the thread of each screw into the brass threaded insert. Once all screws are engaged, you can tighten all four screws. Don't over-tighten.

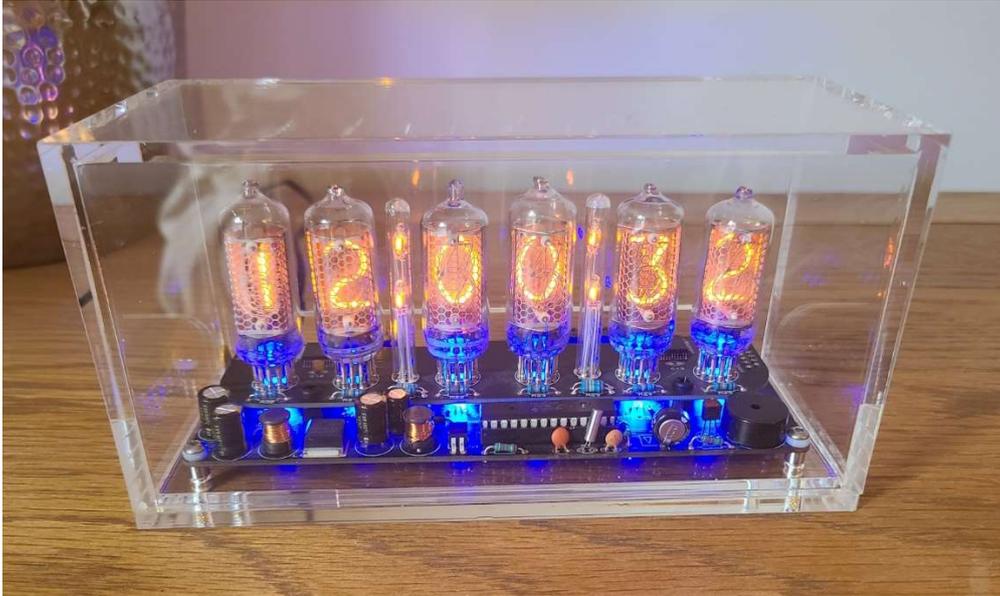


#### **4.5 Attach the Four Rubber Feet**

Place the four rubber feet near the corners of the 5mm Base Plate, to your liking and aesthetic.

#### **4.6 Re-assemble the Clock, Then Place the Top Cover**

Self – explanatory!



#### **4.6 ENJOY! WE HOPE YOU LIKE THE CASE!**