



PM Foundations ER-808 v1.4  
Assembly Guide

## 1. Introduction

This is PMF's tribute to the Roland TR-808, as a Eurorack-compatible module composed of a panel and a set of build-it-yourself PCBs.

Thank you for purchasing this module! Some of the pads are quite small and you will need a chisel tip or screwdriver tip soldering iron, 0.5mm solder and the skill to solder these tiny joints. You should use a temperature adjustable solder station set to the correct temperature.



The module is designed and sized for **Eurorack** systems. You will need a 16-10 pin eurorack power ribbon connector with  $-12/0/+12$  which is connected to a synth power supply.

Follow the parts lists, these instructions and the PCB silkscreen text to build the modules. You should follow the order of assembly as described below since some components may be soldered underneath other components. There are also parts placement diagrams at the end of this manual.

The project consists of module PCB boards, a common bus board PCB and a front panel.

Please check and arrange all your parts according to the BOMs in readiness for construction.

## 2. Recommended build order

For ease of testing, this is the recommended build order:

- Accent module
- Control module
- Join the Accent and Control module together
- Bus board (Touch or Button version)
- Initial testing (covered in Bus assembly guide)

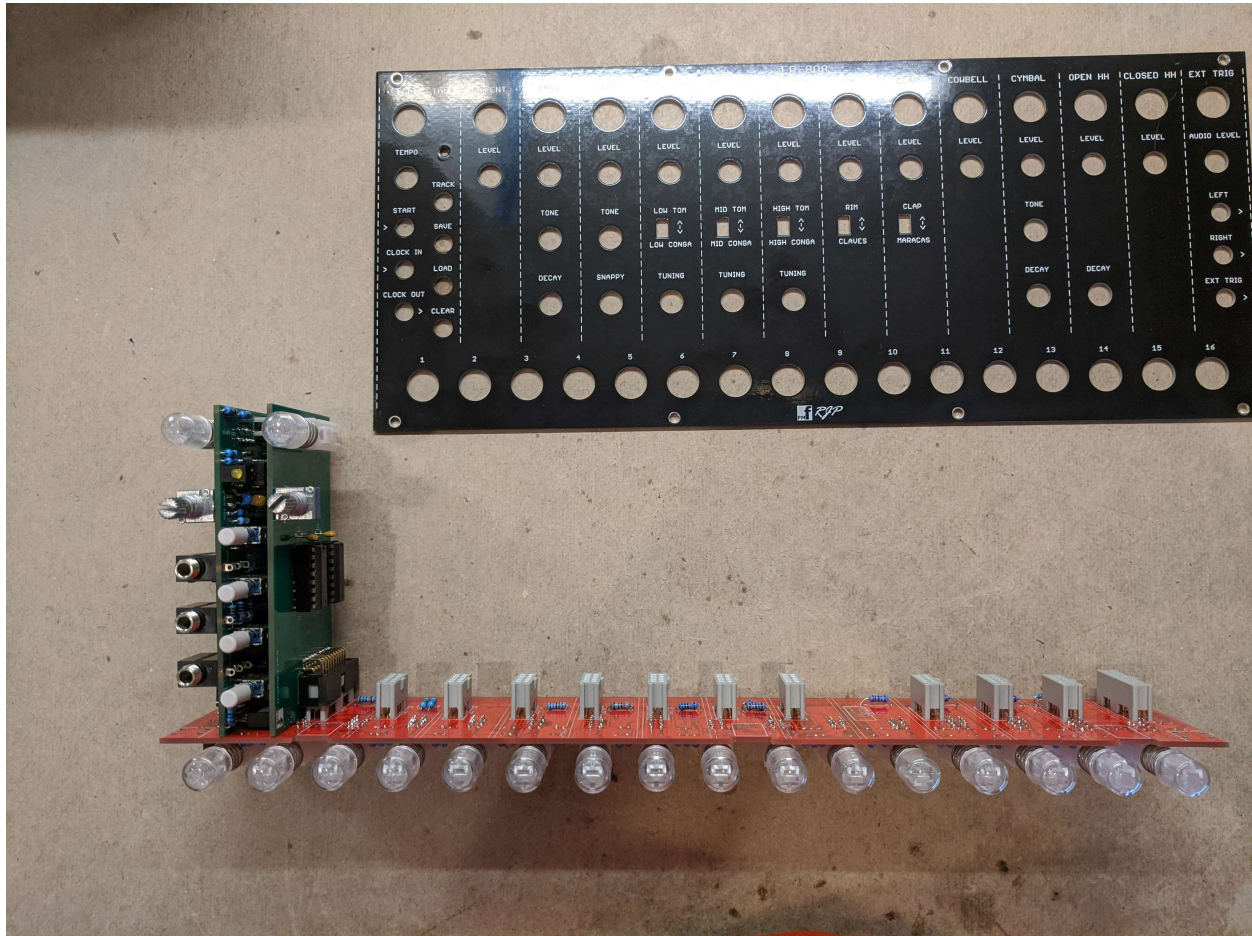
- External Trigger/Output module
- Bass
- Snare
- Low Tom
- Mid Tom
- High Tom
- Rim
- Cowbell
- Clap
- Closed Hat
- Open hat
- Cymbal

### **3. General construction procedures**

Each module has its own build manual and BOM. The construction photographs may show earlier versions of each board but the placement of switches, headers, pots and jacks will be unchanged.

### **4. Final assembly**

Put all the modules into the bus PCB and lay the assembly on its back.



Place the front panel so that the jacks, pots, switches and LED align with the holes in the panel.

Put nuts on the jacks and pots.

Install the knobs.