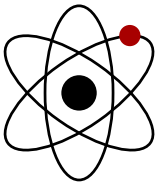
The Christmas Tree
by L² Electron Design



Installation

To install the device do the following:
1 Install the PCB into the stand. Use the narrower back slot.
2. Install the front glass panel into the stand Use the remaining thicker slot.
3. Connect the battery to the PCB.
NOTE: Considerable force might be necessary when installing the PCB and glass panel, especially during the first installation.

Saftey Notes

Make sure the glass panel is always installed. It does not only look good but also provides protection from the very bright LEDs.
The device must only be used or charged under supervision.
Only use the device indoors and with a proper USB power supply.

Troubleshooting

If the device does not turn on make sure the battery is charged. If you plug in a USB power supply and none of the charge indication LEDs come on, the cable or the supply could be faulty. Power banks can in principle be used, but are known to cause problems when the drawn current is too low. If your problem still persists, feel free to contact us!

Usage

Use the On/Off button on the backside of the device labeled "Ein/Aus" to turn the device on.
The button labeled "Auswahl" cycles through the 15 pictures.
The knob labeled "Helligkeit" controls the brightness of the LEDs.
To charge the battery connect a USB power source through the USB-C connector. State of charge is indicated by red and green LEDs near the battery port.
For further functionality provided through the USB - UART interface consult this projects' Github page.

Hacking

We love hacking!
We would love to see what you can come up with. You can either use the interface through the on-board USB-UART bridge or even write your own software and use the hardware expansion headers.
For further technical documentation to get you started see this projects' Github page. We are looking forward to what custom pictures, animations or functionalities you design.

Merry Christmas!

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