



2-tier wooden table/nightstand with futuristic light

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Summary

You can use it as simple 2-tier wooden table or turn it into something special at night with glowing led lamp.

[Household](#) > [Bedroom](#)

Tags: [table](#) [light](#) [led](#) [bed](#) [nightstand](#) [futuristic](#)
[bedlamp](#)

Full height of table/nightstand is 73 cm, but you can shorten legs and make it smaller.

Printed parts list:

1. Small table x 1pc
2. Small table lower mount x 3pcs
3. Small table top mount x 3pcs
4. 3mm pins x 3pcs
5. Big table top mount x 3pcs
6. 3way connection x 1pc
7. Big table legs x 3pcs
8. Led ring base x 1pc
9. Led ring reflector x 1pc

Other parts:

1. 58 cm long, 21mm diameter big table leg (3 pcs)
2. 20 cm long, 14mm diameter small table leg (3pcs)
3. 40cm diameter Big table top (1pc)
4. 3.5x16 mm wood screw (**12 or 15 pcs depending on assembly type, see 3) in assembly guide**)
5. M3x6 mm bolt (3 pcs)
6. M3 spacer (3 pcs)
7. 6 mm diameter 14 mm long Wooden dowel (**3 pcs optional depending on assembly type, see 4) in assembly guide**)
8. 3x12 mm wood screw (9 pcs)
9. Led strip 12 V DC (50 cm long, if you choose to use with higher power, you won't notice individual led)
10. 12 mm Cylinder hinge (1pc)
11. 12V DC power supply (1A minimum) with 2.1x5.5 connector (1pc)
12. 2.1x5.5 mm DC male connector (1pc)
13. 12V Led strip dimmer (optional)

Assembly instructions

1. You need to cut one side of legs at correct angle (both types of legs No. 1; No. 2; from other parts list), for this you can use printed top table mounts (for big table No. 5; for the small No. 3; from printed parts list). Simply put them on one end, mark the edge and then cut it with saw.

I recommend to start assembly with bigger table:

1. Connect big legs (No.1 from Other parts) with printed 3way connection (No.6 from printed parts list), put printed Big table top mounts (No. 5 from printed parts list) on one side of the legs (the one that you cutted at an angle).
2. Then put big table (No.3 from Other parts) on the ground and find the correct position for all the legs (all top mounts should sit evenly on big table, without gaps). Then mark with pencil areas around top mounts.
3. Remove top mounts (No.5 from printed parts list) from the legs and put them on the big table at position which you marked in previous step. Now there is two ways that you can connect big table (No.3 from Other parts) with top mounts (No.5 from printed parts list): using wood dowels (No.7 from Other parts) or wood screws (No.4 from Other parts) at the center hole. With wood screws you get better

rigidity, but assembly is a little bit harder (it's harder to align legs, when to top mount is screwed to the table).

1. **If you decide to use wood dowels** mark the center hole of top mount at the big table. Drill it with 6mm drill bit and do the same to the each leg.
2. **If you decide to use wood screws** simply screw top mount to the table through center hole.
4. Then you can connect big table with legs and 3way connection.
5. Secure it with screws: drive 3 screws through top mount to the table.



6. Drive another 3 screws through 3way connection to the legs.



7. Connect printed big table legs (No.7 from printed parts list) to the wooden legs and secure it with screws. If length of your wooden legs is slightly uneven, you can compensate (level) it with printed legs, simply don't push them to the end.



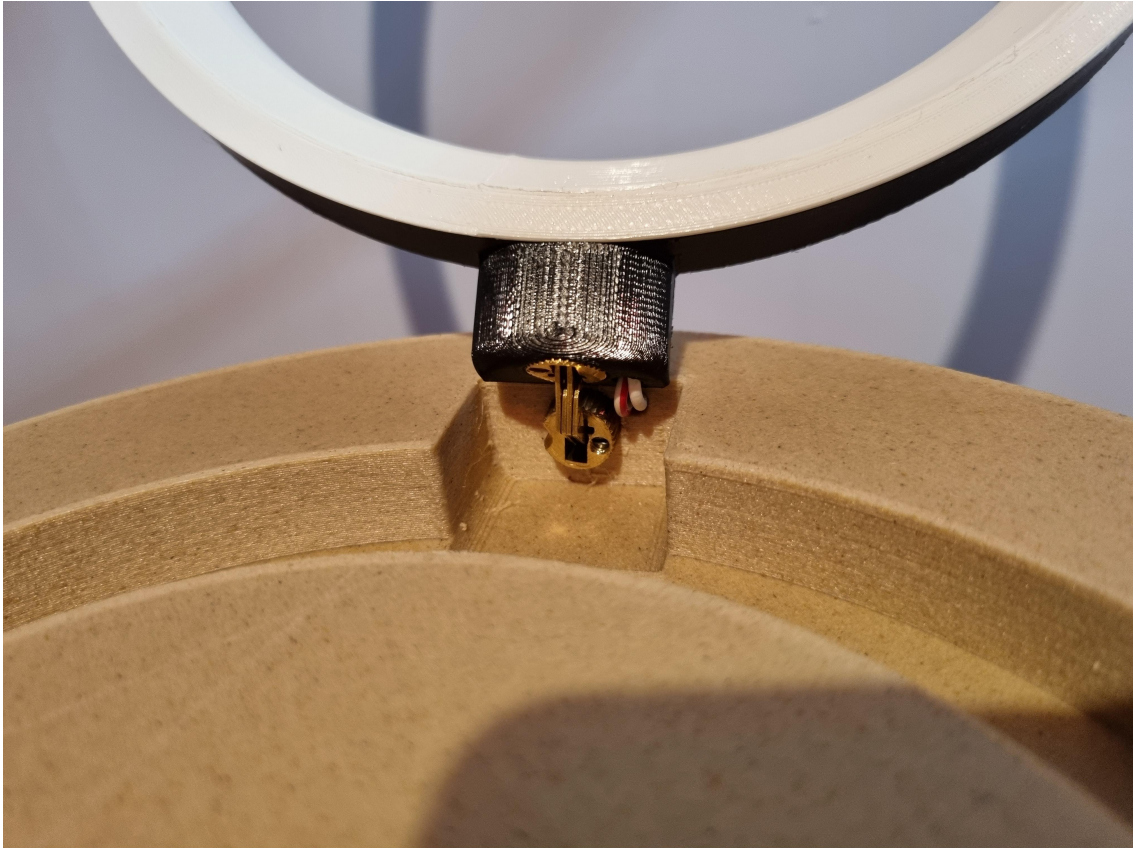
Now you can assemble top table:

1. At the bottom of printed small table (No.1 from printed parts list) you will find 3mm holes. Put 3 mm pins (No.4 from printed parts list) in the outer holes.



2. Put printed Small table top mounts (No.3 from printed parts list) on the printed table (No.1 from printed parts list), and connect it with pins (you may need to shorten pins a little bit). Then secure it using M3 bolt (No.5 from Other parts) with spacer (No.6 from Other parts).
3. Put short legs (No.2 from Other parts) to the mount top mount (No.3 from printed parts list). Drive small screw (No.8 from Other parts) through top mount.
4. Connect other end of the wooden leg (No.2) with Small table lower mount (No.2 from printed parts list).
5. Put small table with legs on top of the big table and mark the areas where lower mount touches big table.
6. Remove Small table lower mount (No.2 from printed parts list) from the short legs (No.2 from Other parts) and drive a screw (No.8 from Other parts) through center hole of the mount to the big table (No.3 from Other parts).
7. Connect lower mounts with the small table assembly and secure it with screws (through lower mount to the short legs).

8. Now glue led strip (No.9 from Other parts) around Led ring base (No.8 from printed parts list) and push cable through the small hole.
9. Put led ring deflector (No.9 from printed parts list) on the base. It fits pretty well, push it until you hear a click.
10. Now connect one end of Cylinder hinge (No.10 from Other parts) with the big hole in Led



- ring base (No.8 from printed parts list).
11. Push cable through small hole in the printed small table (No.1 from printed parts list) and push another end of Cylinder hinge (No.10 from Other parts) in the big hole of the small printed table.
 12. Connect 2.1x5.5 mm DC male connector (No.12 from Other parts) with the cable. Then you can connect led dimmer to it (it allows to control brightness, pulsation and you can turn led strip on or off), or simply connect DC power supply.

And the assembly is finished 😊

I printed this on Ender 3 V2. All parts printed at 0.2 mm height.

For Led ring base I used black PET-G, for Led ring reflector and 3 mm pins - white PLA.

All other parts were printed with wood filament using 0.6 mm nozzle

Model files



small-table-top-mount.stl



small-table-lower-mount.stl



big-table-top-mount.stl



small-table.stl



3way-connection.stl



big-table-legs.stl



led-ring-base.stl



led-ring-reflector.stl



3mm-pin.stl

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