



The Exshtender



Gdalya

[VIEW IN BROWSER](#)

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Summary

Bringing you closer to God by bringing your siddur closer to you.



1.32 hrs



1 pcs



0.20 mm



0.40 mm



PET



14 g



Prusa MK4

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Executive Summary

- Raises the shelf of [Kibbutz Lavi Synagogue Seating System](#) by a few inches
 - It's surprising what a difference those few inches makes in increasing the readability of my [siddur](#)
- Similar in function to [Lavi's multi-position shelf latch](#)
 - Should work with all existing [Lavi Classic Series](#) installations

Anatomy of the Exshtender™

- On one end, there is a foot that rotates +/- 15°

- On the other end, is the grip which rotates from 0° to 64°
 - The bottom of the grip is the jaws which attach to the lip / bookstop of the shelf
 - On the top of the grip are the thumb tabs, which you push together to open the jaws when you attached the ExshtenderTM to the shelf
- Connecting the foot and the grip is the main body

How to USE the ExshtenderTM

- Fold the shelf down
- Pushing the thumb tabs together, slip the jaws over the lip / bookstop of the shelf
 - Place the ExshtenderTM toward the side of the shelf, so that it isn't covered by your siddur
- Release the thumb tabs – the ExshtenderTM should now have a firm grip on the lip / bookstop
- Close the shelf
- Lift the back of the shelf, and move the arm that is inside the storage compartment into the upright position
- Raise the front of the shelf – the ExshtenderTM should rotate into place automatically
 - You may need to give the ExshtenderTM a little help the first few times until the joint loosens

Printing Tips

- I have only ever printed these in PET-G
 - If you use another material, such as PLA, please let me know how it works for you
- If the foot shifts off the bed before, put supports under the foot only
- Getting the tolerances correct for the “Lego” in the middle of the main body is really tricky and varies from printer to printer. I find that if you activate “Fuzzy Skin” in your slicer, it corrects the problem
 - I only activate fuzzy skin for the six pegs using PrusaSlicer's Add Modifier>Box feature

The Next Level

- Have you mastered ExshtenderTM?
- Do you wish it
 - Did more?
 - Was Taller?
- Check out <https://www.printables.com/model/921947-the-exshtender-premium-edition>

Model files



genser_7_2.stl

Print files



1_genser_7_2_fuzzy_04n_02mm_petg_mk4is_1h19m.bgcode

 PET  0.40 mm  0.20 mm  1.32 hrs  14 g  Prusa MK4

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