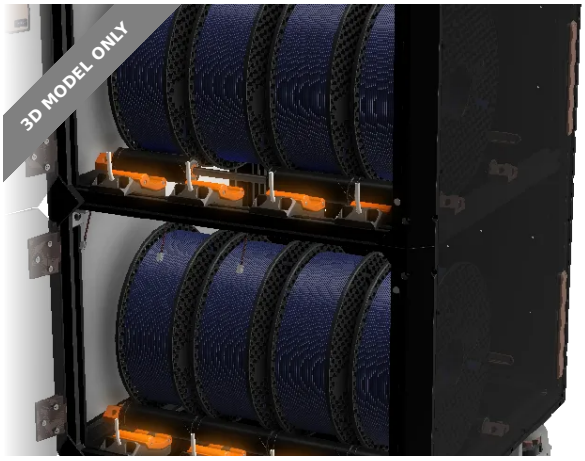


Assisted Speed Loader - for INBXX-series

Voxel3D_NL

VIEW IN BROWSER

updated 28. 10. 2026 | published 28. 10. 2026

Summary

Small, modular loading assist for INBXX-series of accessory cabinets

3D Printers > Prusa Parts & Upgrades

Tags: filament loader loading filamentloader coreone coreonemod coreoneupgrade indx indxsystem coreoneplus inbxx indx8 indxcoreone

What is ASL?

Assisted Speed Loader (ASL) is a simple, modular device to load the filament from INBXX to the toolhead with the press of 1 button. Each module mounts on the 2020 profile in front of the spools, and the modules link together with small interconnect cables.

What does it do?

Loading filament from INBXX all the way to the toolhead can be a long and fiddly job. The Assisted Speed Loader does the pushing for you: hold the

button, and the module feeds the filament from the spool through the PTFE tube towards the toolhead. Release the button, and it stops.

How does it work?

Every module is completely stand-alone: there is no microcontroller, firmware or configuration involved. Each module has its own button, which directly switches its own geared DC motor. The feedgear on the motor drives the filament, with the grooved bearing in the lever guiding it. The 6V power is passed from module to module through the small interconnect cables, so the modules on one story form a single chain. On a double-story INBXX, the large interconnect cable links the 2 chains together.

Features;

- Load filament with the press of 1 button
- Modular: one module per spool, as many as you need
- Plug-and-play wiring with daisy-chained interconnect cables
- No firmware, no setup
- Works with single- and double-story INBXX

User- and Build Manual & The Community

ASL, just like INBXX is a DIY project with comprehensive support. It is a standalone upgrade and does not require Semi-Smart to work.
If you do not want to deal with the hassle of self-sourcing all parts, kits will be available from both Blurolls and LDO-motors. They are **currently in production** at both parties and will start from $35,50 for the single kit

Blurolls shipping will be available worldwide from warehouses in Asia, the EU and the USA.
LDO will distribute via local resellers all over the world

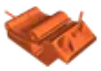
Link to the manual for the single-story version: Manual-AssistedSpeedLoader

For build assistance, updates, and community remixes, join the Voxel3D Discord server with over 1500+ users!

Credits;
The ASL is inspired by the great work of mrFlippant with the Bowden Speed Loader. Be sure to check it out!

Model files

3D prints for the ASL 2 files



assistedspeedloader-combined.step



assistedspeedloader-combined.stl

STEP file of the PCB 1 file



asl_modular-pcb.step

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