

# Hi!

Welcome to the land of JellyBOX! We are incredibly excited you we have crossed paths. Can't wait for you to get started.

## Shortcut: [bit.ly/jellybox-docs](https://bit.ly/jellybox-docs)

- is the one link you really really need.
- easy to remember link: [bit.ly/jellybox-docs](https://bit.ly/jellybox-docs)

OneDrive Documents

IMADE3D-Public

Edit Notebook

Notebooks

Find on this Page (Cmd)

JB HowTo \_\_\_\_ Gu

JB 1.3 Build Guide

JB 1.2 Build Guide

JB Upgrades

Sandbox, in progr

README (Using the Docs)

JB 1.3 Build TOC

Welcome!

Workspace Setup

Zip tie practice

#prep X+Y Pulleys

#prep Y bracket

#prep Extruder

#prep HotEnd: Assembly p.'

#prep HotEnd: Assembly p.2

#prep X Carriage

#prep X Assembly 01

#prep X Assembly 02: Single

#prep X Assembly 02: Dual

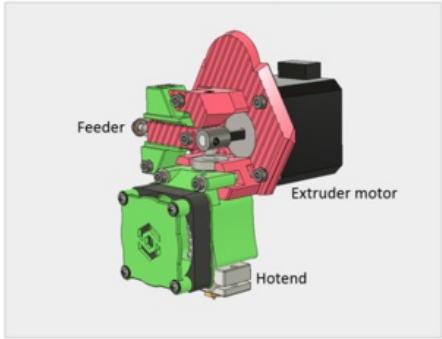
#prep X Assembly 03: Wire

#prep Y assembly

### #prep Extruder

#### PREP: Extruder

The heart of the printer.  
Extruder is responsible for melting filament and extruding it with high precision out of a small orifice (hole) in the nozzle.





Here's a link to a [powerpoint presentation](#) with close up pictures AND video segments on how to together the extruder.

- View in browser or download to view offline if you have powerpoint installed. (The preser has ove 100MB)
- Why do we use powerpoint? Other solutions have troubles with embedded videos.
  - The [PowerPoint viewer](#) works OK, but it does not always play videos either :-(
- This step can be completed at any point. The extruder is Quick Release and you can put it JellyBox at the end. For electronics testing, it helps to have it assembled ahead of time, th

### No hotend yet?

- *IF you don't have your hotend assembled yet, that's ok for now.*
- *Simply use the hotend heat sink for in this guide.*

You can use	Guide uses
	

# SUPPORT

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If you ever encounter any issues during your building or printing, talk to us at <http://imade3d.com/support>, email [support@imade3d.com](mailto:support@imade3d.com), or tweet at @yesIMADE3D.

## THIS SD CARD

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- By default, we ship the JellyBOX with an SD card pre-loaded with a selection of 3D models, ready-to-print files, and links to documentation and additional downloads.
- If you ever lose or delete this card, you can download the latest version as a zip archive at [our JB ESSENTIALS GitHub](#)

## HOWTO BUILD JELLYBOX

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- [JellyBOX Docs](#)
- JellyBOX Build Guide is here!
- JellyBOX HowTo (Usage) Guide is here!
- You should come over as well.

## HOWTO USE JELLYBOX

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- [JellyBOX Docs](#)
- I think I already mentioned this.

## CURA 2

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- 3D models need to be processed or 'sliced' to be 3D-printable.
- We recommend using Cura as your first all-purpose slicer. It is open-source, free, and always rapidly improving.
- More info, installation guide, setup... in the [JellyBOX Docs](#)

## GCODES - ready to print

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- gcode is a 3D file processed for 3D printing.
- These are READY-to-PRINT. Just select using the LCD controller.
- There's a basic cube, spiralized cube, small duck sliced for TPU (rubber) and PLA, little articulated print-in-place fish, and finally the uber-popular hybrid gear bearing (modeled by Whosawhatsis) and sliced as a single-wall quick print.
- **Alert: You can only run compatible gcodes - at the very least they must have G28; G29; at the beginning.**
  - All gcodes sliced with our presets are compatible.
  - (If you don't know what this means, head over to the [JellyBOX Docs](#))

## 3D MODELS - ready to slice

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- you can experiment with slicing on these without having to go fishing for files online first. We also include a good range of calibration objects so you can perfect your slicing skill.
- 'STLs' slang-known
- Get more models at [Thingiverse](#), [Youmagine](#), [Yeggi](#).
- Or, get 3D modeling with [TinkerCAD](#), [OpenSCAD](#), or [Fusion360](#).
- Or any other 3D modeling program.

## Unverified Bleeding Edge Info for Hackers

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- Well, our [GitHub Hub](#)
- But also: <http://bit.ly/imade3d-jellybox-resources>
- In this gdoc, you'll find a bleeding edge community guided notes on Jellybox. It's an impromptu forum in a way. Troubleshooting, links to resources, etc. If you want to be experimenting and the Docs are not enough, here you go.

## Firmware-Marlin

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- Firmware is the brains of the printer. Or, it's the code that determines how the brain functions. Over time, we add features and fix mistakes of the past, which makes JellyBOX work better. When there is a new firmware version, you should upgrade.
- To upgrade your firmware, please head over [IMADE3D SUPPORT PAGE](#) or straight to our [IMADE3D Marlin Github](#)
- There's instructions on Upgrading Firmware in the infamous [JellyBOX Docs](#))

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*Keep calm and print on! ~Filip*