



YOUMAGINE

# RIP Skeleton

By: (gzumwalt)

License: Commercial use is not allowed, you must attribute the creator, you may remix this work and the remixed work should be made available under this license.

Published on: Oct 12, 2019

Located at: <http://www.youmagine.com/designs/rip-skeleton>

## Short description:

A Halloween Themed "Do Nothing Box".

## Description:

<https://www.youtube.com/watch?v=HqL0RoWW7i4&feature=youtu.be> <https://www.youtube.com/watch?v=Q3GAazo7xTc&feature=youtu.be> "RIP Skeleton" is a 3D printed Halloween themed "Do Nothing Box". Simply press the red button, and RIP Skeleton arises red faced from his candle illuminated coffin to "press" the red button and return to darkness for his "rest in peace". The design is reminiscent of the electro-mechanical pinball machines I repaired for a local entertainment distributor while attending college some 40 years ago (we still have a fully functional electro-mechanical "Captain Fantastic" pinball machine, circa 1976, in our game room). Instead of using a micro controller and servos, this electro-mechanical model uses a single motor and a two lobe camshaft to control the simple animation and lighting via two micro roller switches following the camshaft lobes. This approach greatly extends the battery life as when the model is idle, it draws no current from the twin AAA battery power supply. Note that RIP Skelton does not actually "press" the red button as his arm is too frail. He simply uses "mind over matter" (e.g. a roller switch on a cam lobe) to press the button. As usual, I probably forgot a file or two or who knows what else, so if you have any questions, please do not hesitate to ask as I do make plenty of mistakes. Designed using Autodesk Fusion 360, sliced using Cura 4.2, and printed in PLA on an Ultimaker 2+ Extended and in PLA and PVA on an Ultimaker 3 Extended.

If you can, please use the online documentation found at <http://www.youmagine.com/designs/rip-skeleton> because those may have been updated. Also, there you can interact and provide praise and/or feedback.