

## Home Button Extender

The iPhone is with us everyday, all the time. As the phone has become such a critical part of everyday life, it was a natural object to use in this project. As an object that is valued most for its utility, makers often seek to expand the device's functionality by designing practical add-ons and accessories. The iPhone itself has created a huge market in both the digital and physical product design spaces. It is exactly because of this natural emphasis on utility that we decided as a group to design in a sort of anti-pattern, building add-ons that would work with the iPhone only to incapacitate or make it more difficult to use. This is how I arrived at the Home Button Extender.

The object alone is intentionally awkwardly shaped and aesthetically conflicting with the iPhone's design, yet it has been designed to clip cleanly onto the bottom of the device. A tall rod sits over the home button so that when a user may not feel so inclined to lower their finger all the way to the surface of the phone to tap the home button, the Extender allows the user to activate the home button a from a few centimeters above the surface. The object is clearly impractical and serves only to make the action of tapping the home button more cumbersome.

Using the UP Printer, the printing process was fairly quick and straightforward. First using loose in-fill, I was able to produce test models in order to evaluate the object's ability to fit onto the iPhone snugly. While actual printing time was less of a concern, it did, however, become difficult to determine the measurements needed to create a clean, snug clip onto the device. Future iterations would need to take this more into consideration, and also explore other ways the object could attach to the iPhone.