**Hack # 1: Reed switch activated 1btn**

**What is 1btn?**

1btn is an internet connected device, designed to do tasks on the single click of a button. The system operates on WiFi which connects to the internet when needed. And the event of button click triggers the task 1btn is assigned to do – It’s that simple.

1btn is one of those unusual things of internet which is not always connected; rather it only comes to life when you trigger it. When pressed, 1btn wakes from slumber, connects to the internet, does the job assigned to it and tells you with its multi-color LED about the outcome and then goes back to rest.

**Use case for hacking**

The question really is - can a smartphone do everything? Doesn’t it lack convenience to get things done in least number of steps and quickly? What we believe is that the best user interface which allows us to better interact with digital information in the real world is (and always would be): A button!

Why are buttons such a great idea? A button is the simplest user interface for a single-repetitive-programmable task. They are simple, as they are designed for a single-task (typically). More importantly, buttons are easy-to-understand, as they provide immediate physical feedback and trigger an immediate action.

We designed 1btn with one of the important user goal in mind…easy to setup and easier to configure and super easy to use. Even a basic internet user can configure it to make it work without much help.

**What is needed?**

Exactly what the name suggests it is an internet connected push button which can trigger actions. Use it to send a text message, email or tweet, control your smart appliances et al. And since it has built-in wifi for direct internet connectivity it does not need smartphones and apps to pair with.

Is it first of its kind in the world? Well, of course not, there have been many and we’re sure there would be many more in years to come. Yet here is one more, different, easier, simpler and smarter.

Simpler often signifies reliable and so there are less number of things to go wrong. Easier to configure and super easy to use; isn’t this all of us want; making our life easier?

**Steps to make hardware changes**

Well, use your imagination…

It could be used as a remote control for something on the internet, a switch for your wifi controlled lights, pizza & burger ordering button, beck-n-call switch, call Uber-cabs, open your garage door, track something, remotely control your home appliances, or perform some database operations, use as a start-stop timer for work-log / time-sheet purpose, perform web pull requests on manual trigger, power off any device remotely (including your smartphone), and list would go on...

Might be overkill, but use it as a doorbell perhaps.

My grandparents are not at all tech-savvy and don’t know how to call me or message me; so I gave them 1btn. Now all they have to do is – press a button and I get a text so I call them back or sometimes, I just pick up their call enabled by 1btn.

your own as you want. With this functionality, you can practically perform anything as per your code and just invoke it with this button. There would be certainly a few things we haven’t thought about yet and we just can't wait to see how you will use 1btn!

Bottom line – go creative!

**How to install?**

To start with - it is scalable and programmable: unlike many other buttons which are pre-programmed It comes with a rechargeable Li-Po battery which is a major plus – no need to change batteries every

You can configure same 1btn multiple times in the console by giving it different time-slots of the day – such that press of 1btn in the morning half would send a text message to someone while if pressed in second half of the day, it will tweet for you and in the night something else. This feature is still under development; however we will finish it by the time campaign is over.

And again, minimalist design and interface: means less number of things to go wrong. You don’t have to fiddle with nuances of complexity.

**Configure it online**

Now that we preached about simplicity of 1btn – let’s talk about some high end stuff.

While 1btn is simplified interface, it packs a lot of punch, especially with its open source design and multitude of design / configuration options.

For example – you can completely rewrite 1btn firmware and make it do something else of your liking. Even better, modify API end points in its native firmware and re-route them somewhere else.

We are also giving access to some of the ReST API calls which you can integrate into your larger application and make bigger system work, configure 1btn programmatically, and write a code to have two or more 1btns work together and many more.

**Test it**

At the very first time of unveiling of 1btn from the box – you will have to configure it so that it can connect to your home or office wifi. 1btn creates a wifi hotspot for achieving this to which you can connect and provide credentials of your WiFi router.