

# Social Distancing Device / App

This may feel like a Big Brother/Sister /Nanny State - But sometimes people need looking after!

## 1. Wearable Social Distancing Device/App

A Person wears a device or operates an app on their phones that uses Bluetooth, GPS or other technology that creates a “invisible” virtual specified distance (e.g. 6 feet) field around them/similar to a Radar.

This device could be as simple as a wearable armband or ring with the technology inbuilt or similar. It could also just be a phone or watch app.

It works by creating an invisible field/area (Radar Zone) around a person that measures a fixed distance (eg 6 feet). When another person (wearing a similar device) is closer to you within that 6 feet for longer than a set time (eg 15 seconds) the device can maybe light-up or vibrate - warning both persons that they are in too close proximity. Also, when people are in groups of maybe 4 or more, the device again lights up/vibrates - warning that groups should not closely gather.

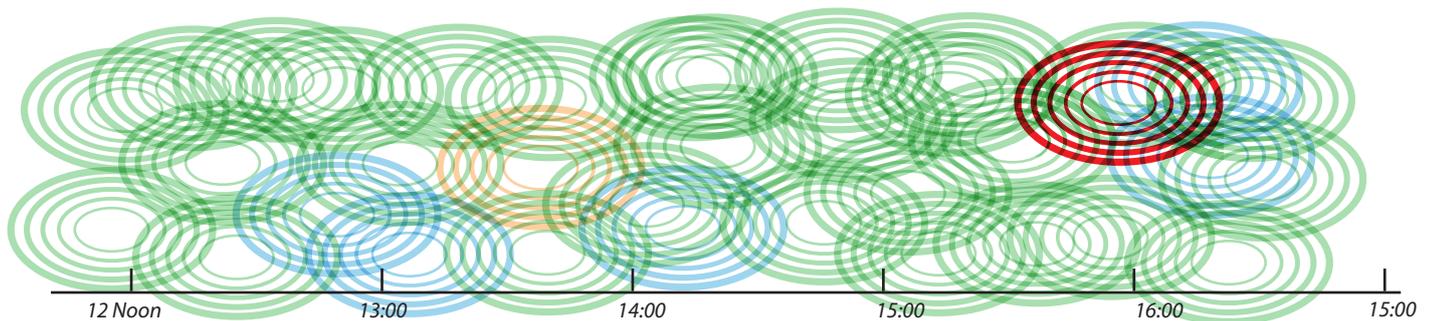
The simple version just warns others of proximity - a more complex version contains a unique identifier that helps track and control social distancing better - and allows users and governments better protection for the population. Devices can also be paired - so as family devices won't set each other off.



## 2. App - Operation

The App works on a persons phone and can work in conjunction with a wearable device.

- It can visually alert wearer and those that have access to the apps data - of possible affected areas / people.
- Different colors icons/symbols can indicate different states of infection e.g. Green: Normal; Orange: Possible Infection; Red: Infected; Blue: Previously Infected/Immune.
- Government / Authorities can control the status so as to stop people from either scaring others with false readings and it also ensures those that are infected stay in quarantine - or they will be detected. (A person can select their own status, and if they feel they are infected - they can indicate an orange status. If they then get tested and are infected - they or the Authorities change their status to red. - This alerts others users through their app that they were in contact with an infected person. From the app they can see how long they were in contact with them through maybe a daily “heatmap” display on the app.
- Contact Tracing - The App helps tracks/trace infected people movements - so can alert others that may have been in the same area as the infected person the previous “x” number of hours or days - so that they can get tested if deemed a risk.
- The app would track clusters as to were and how people are getting contaminated.



*App - Heatmap - User and authorities can see were contact may have been*