

Hospital Room Cleaning App

This app controls the UVC device using UART Profile connectivity. This app is developed and used by one of the leading Environmental Cleaning Services company in US. The UVC device which works on UART profile has a proprietary mechanism of operations of Room cleaning using Ultra Violet Rays.

- 1 Discover and Connect** - Using Apple device's BLE capabilities, Search and Connect to Remote (pilon) of UVC device (UART Profile). The remote is responsible for issuing the commands for cleaning the room/location.
- 2 Hand Shake** - Identify and authenticate the device using web service.
- 3 Issue Commands** - Issue the required commands to Remote like "START", "ABORT", "RUN" etc. Using these commands Remote issues internal encoded commands to UVC machine.
- 4 Process the broadcasted data** - UVC device communicates the data to Remote and Remote broadcasts the data. App executes the internal workflows based on the received data from Remote.
- 5 Manage the connectivity** - If user goes out of proximity, app recognizes that and performs certain steps to inform and make aware of the situation to user. It also connects automatically if iOS device comes within the proximity of Remote.

