Setup

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| **Use case** | **Expected** | **Observed** | **Comments** |
| Install Battery | Allows insertion | Inserted | LED Flashes |
| Incorrect insertion of battery shows error | Shows error LED | No Error LED, but device does not die | Circuit does not have capability for error led right now |
| Turn on | LED blinks to show correct set up of device | LED blinks red, green, and blue | This happens upon correct insertion. There is no switch. |
|  |  |  |  |
| PAIRING |  |  | NO PAIRING!! |
| Hold the button for 5 seconds | Pairing signal should come on by blinking LEDS | LED goes into connection mode | Bluetooth pairing is not supported, but connection is. |
| Use Android phone to pair the device. | Device should appear on the Android device | Inhaler button automatically connects, grabs data, and disconnects. |  |
| Click pair on Android phone | 1. Pairing should be complete and blinking should be stopped to indicate the successful pairing;  2. Phone should be able to show the paired device with correct ID of the inhaler device | App is able to remember the MAC address of the device for future use. Tested successfully. |  |
| Record Inhaler use: Click the button | Inhaler device should indicate that the device captured the click by a single LED blink | LED flashes to indicate recorded press |  |
| Double click on button | A double click on button will store the battery level on the board | Not Supported Yet\* | More research needed. Not sure if possible with the current circuit. |
| Download data | Android device should be able to download the data;  Downloaded data will have timestamp for inhaler use; Battery level for double clicked events | App shows correct data after connecting to device. |  |