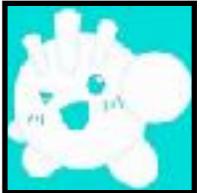


# GoBotでBLE制御してみたよ！

---

Goビギナーズ Go合宿2017

@n0bisuke



# 菅原のびすけ



- Go合宿 会計係
- LINE Payエバンジェリスト（仮
  - しかし仕事ではPayPalを使っている
- 特技はわんこそば
- 最近好きな言葉は「決めの問題」（昔はdisってた）
- dotstudio, inc. / IoT領域 / #iotIt

# GoBot

GOBOT

Docs

Platforms

Resources

News

Blog

Github

## Go, Robot, Go!

### Golang Powered Robotics

Next generation robotics/IoT framework with support for 27 different platforms

**Start Now**

 Star 3,018

 Fork 344

 Tweet

 Follow @gobotio



- Robotics/IoT framework
- Cylon.jsの兄弟

# 過去のLT

Published on Dec 6, 2015

GoCon 2015 w

# GoでIoT

~BLE入門してみた話~

LIGinc @n0bisuke

Speaker Deck

share

The slide features a teal background with white text. At the top right, it says "Published on Dec 6, 2015" and "GoCon 2015 w". The main title "GoでIoT" is in large white font, followed by a subtitle "～BLE入門してみた話～" in a smaller white font. Below the text is a stylized illustration of a landscape with green trees, a yellow street lamp, a brown building, and a red Tokyo Tower-like spire. At the bottom, the author's name "LIGinc @n0bisuke" is displayed in white. The bottom bar includes navigation icons (back, forward, search) and a "share" button.

# 過去のLT

Speaker Deck Published on Dec 6, 2015

## はじめに(再掲)

### 今日の話のモチベーション

GoConでLTするって言ってしまったけど、何をしよう。。



@n0bisuke



@tenntenn

Goでドローン飛ばせませんか?  
安いドローンでいけるといいんですよね。

いけますよ！  
(Gobotでいけないかな…?)

[Getting Started](#)[Guides](#)[Platforms](#)[Arduino](#)[Beaglebone](#)[Bluetooth LE](#)[C.H.I.P.](#)[Digispark](#)[Dragonboard](#)[ESP8266](#)[Intel Edison](#)[Intel Joule](#)[Joystick](#)[Keyboard](#)[Leap Motion](#)

# Minidrone

[How To Install](#)   [How To Use](#)   [How To Connect](#)   [Drivers](#)

The Parrot Minidrones are very inexpensive drones that are controlled using Bluetooth LE aka Bluetcoth 4.0.

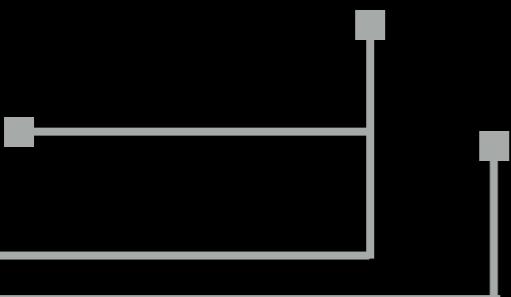
Models that are known to work with this package include:

- Parrot Rolling Spider
- Parrot Airborne Cargo Mars
- Parrot Airborne Cargo Travis

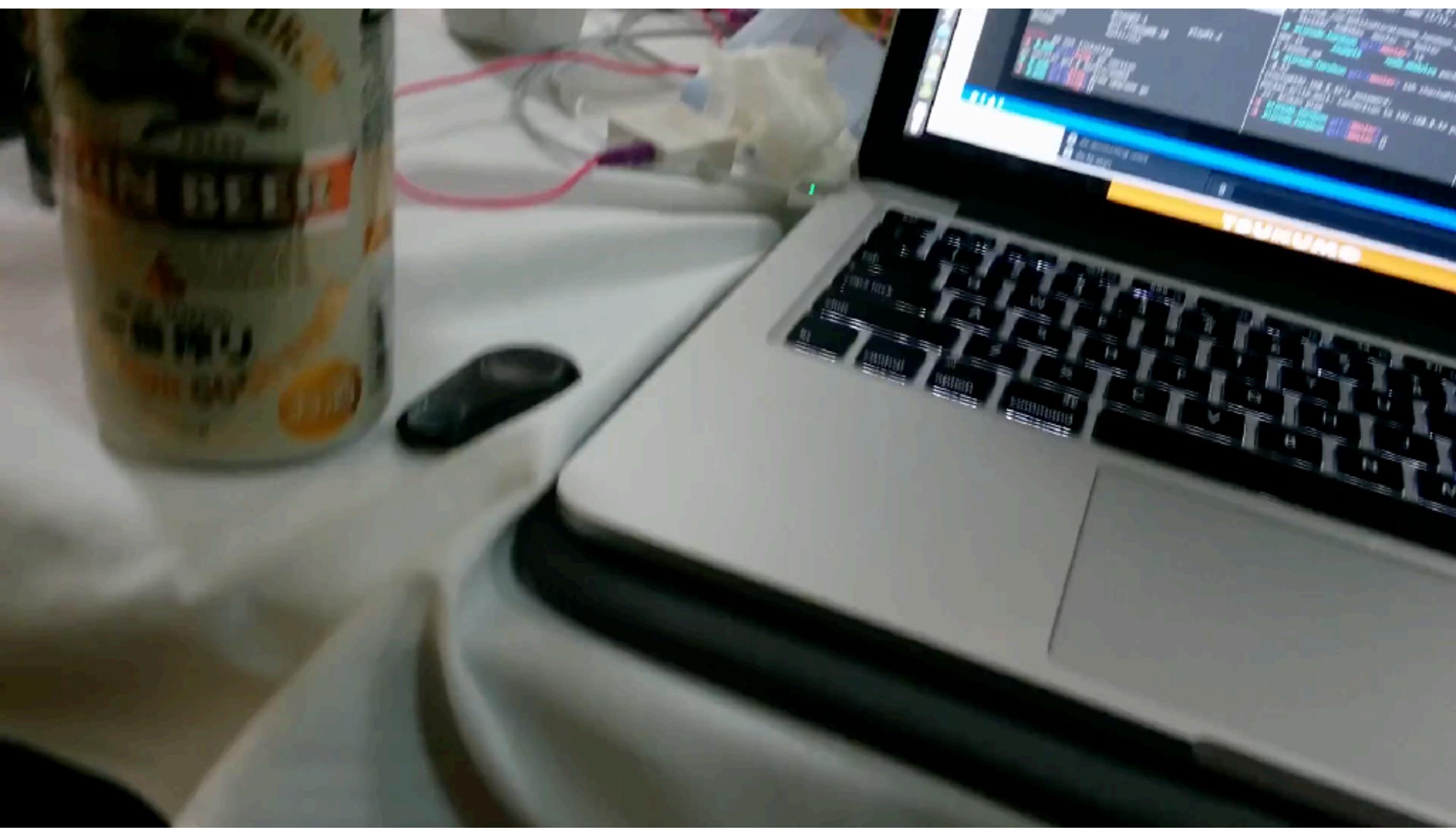
Models that should work now, but have not been tested by us:

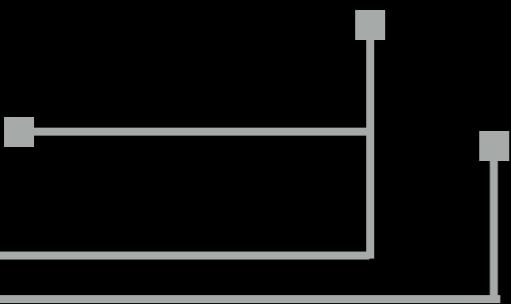
- Parrot Airborne Night Swat
- Parrot Airborne Night Maclane
- Parrot Airborne Night Blaze
- Parrot HYDROFOIL Orak

どうやら2016年12月に追加

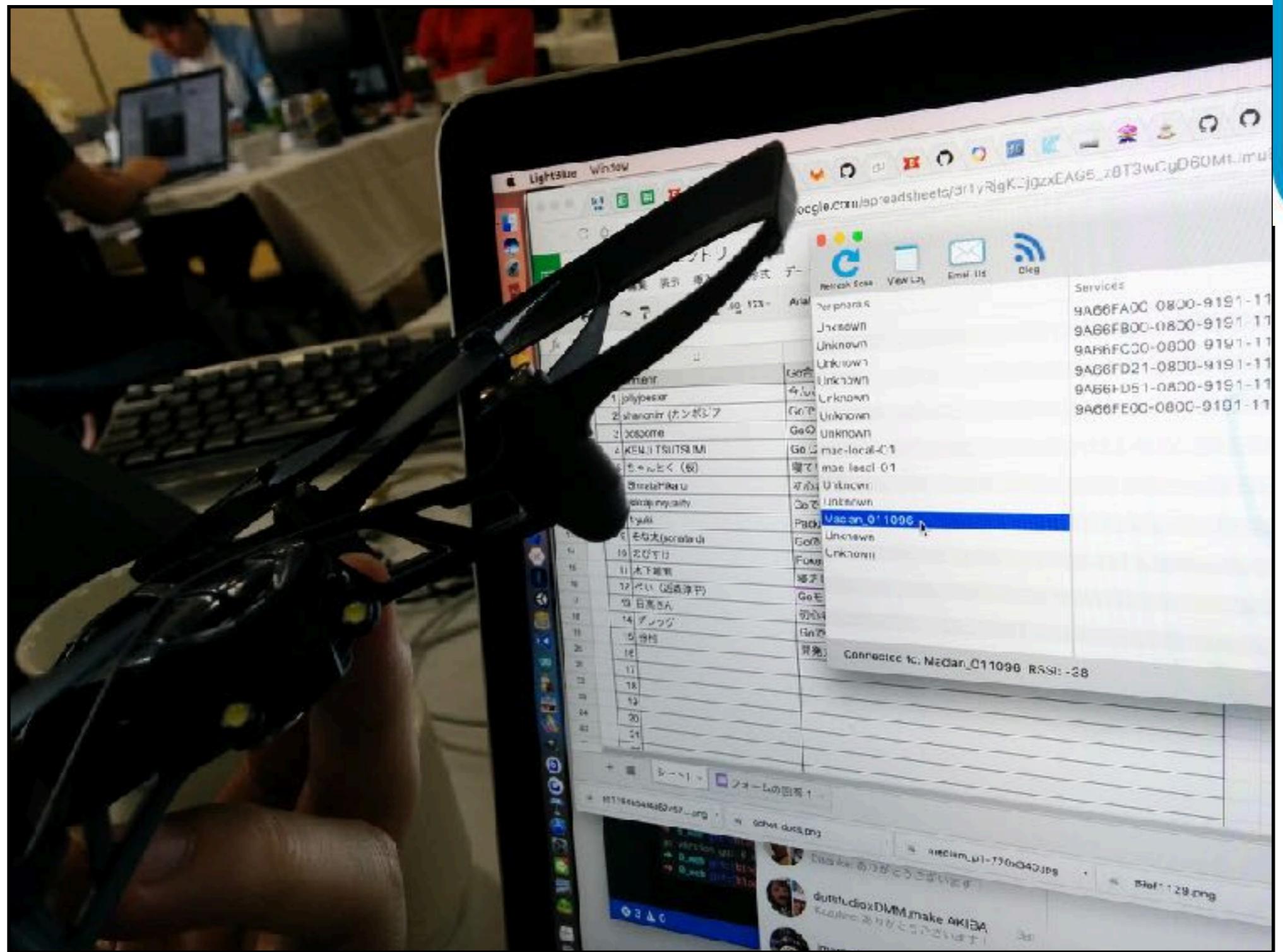


やってみた





# 应用



[Bluetooth Core Specification](#)[Adopted Specifications](#)[Qualification Test Requirements](#)[Submit Idea For a Specification](#)[Specification Errata](#)[Test Specification Errata](#)[Check Status Of In Progress Specifications](#)[Profiles Overview](#)[Generic Attribute Profile \(GATT\) Specification](#)

## GATT XML

[GATT Characteristics](#)[GATT Declarations](#)[GATT Descriptors](#)[GATT Services](#)[Available Schemas](#)

# GATT Services

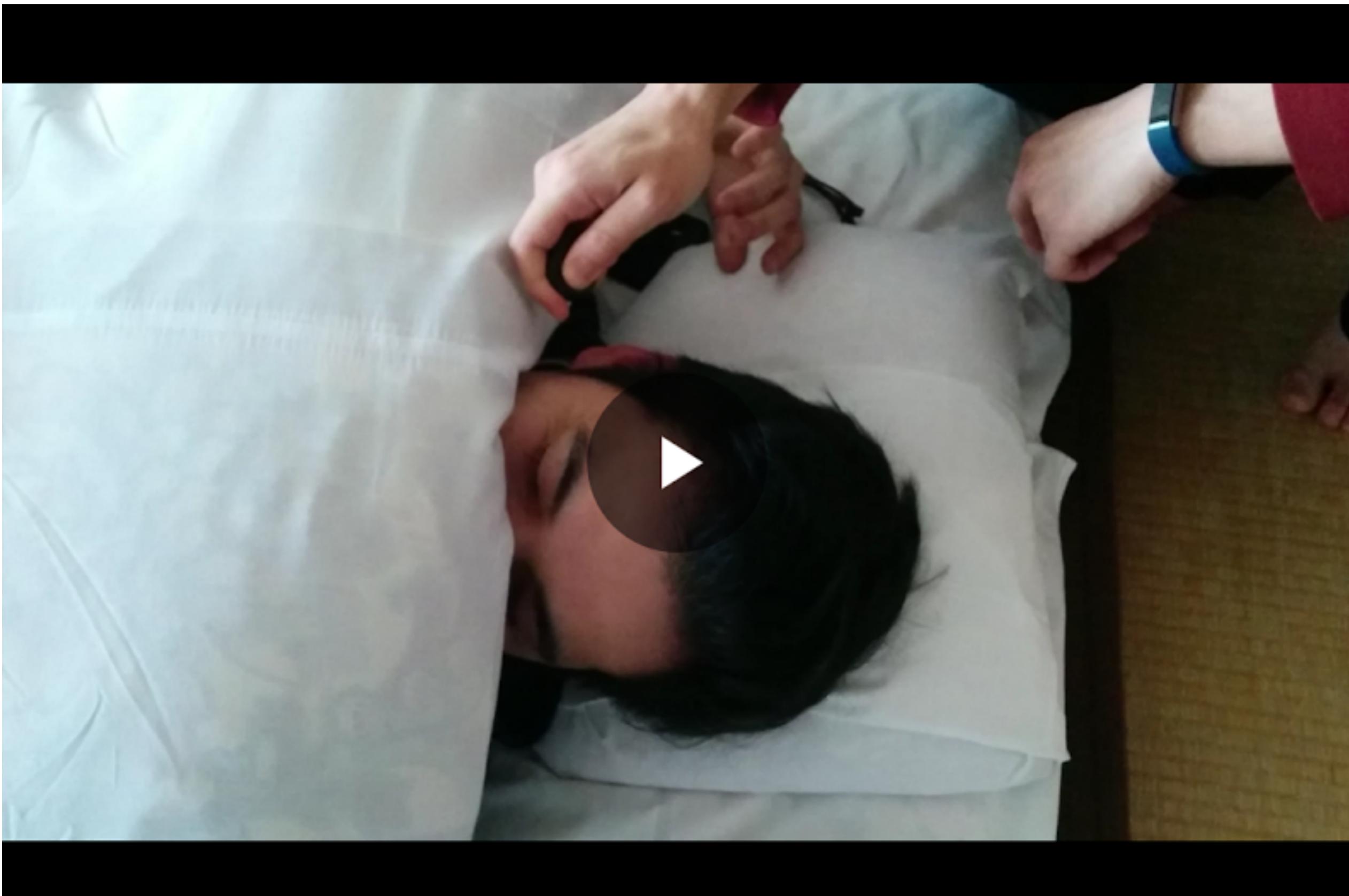
Services are collections of characteristics and relationships to other services that encapsulate the behavior of part of a device.

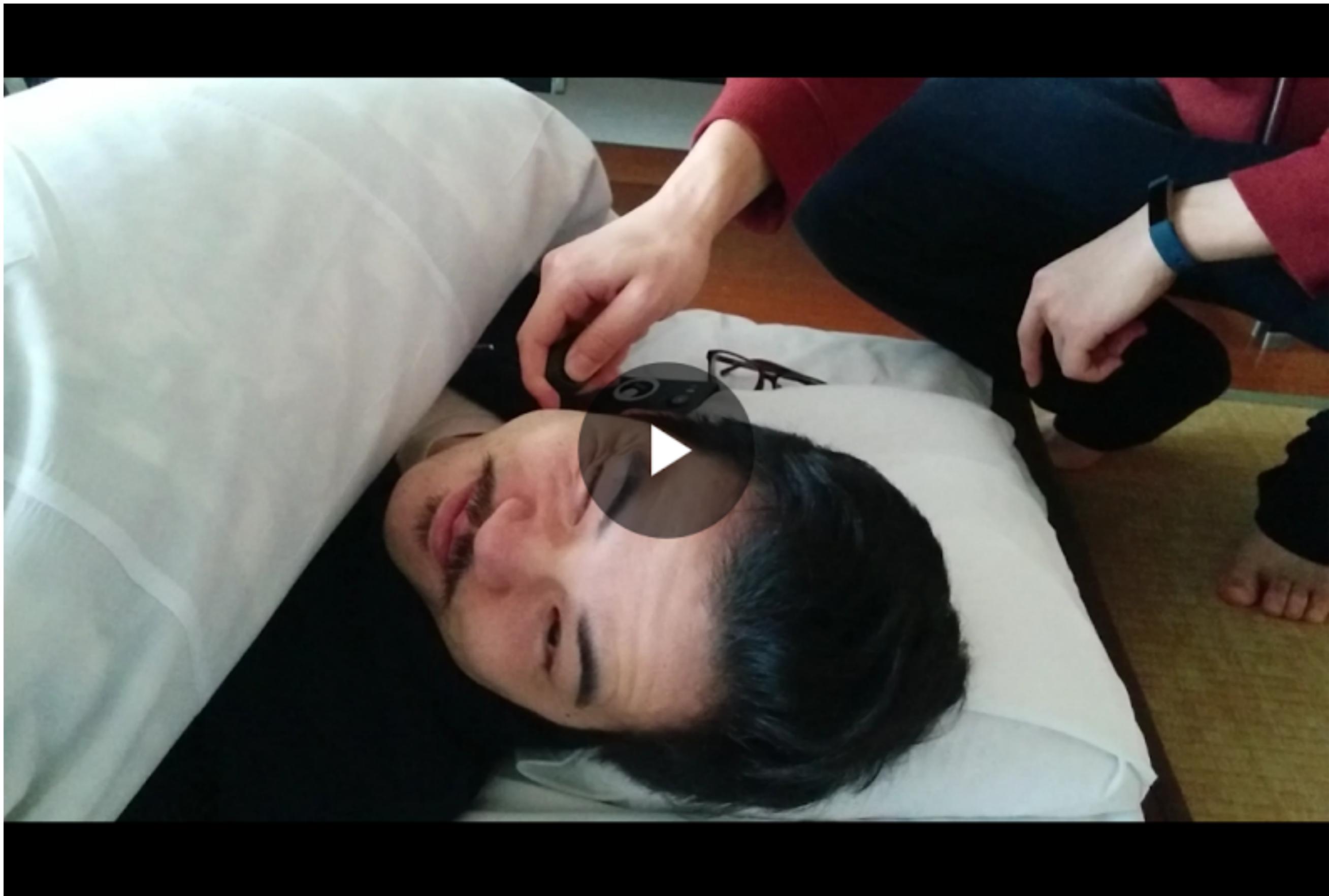
All Service Assigned Numbers values on this page are normative. All other materials contained on this page is informative only. Authoritative compliance information is contained in the [applicable Bluetooth specification](#).

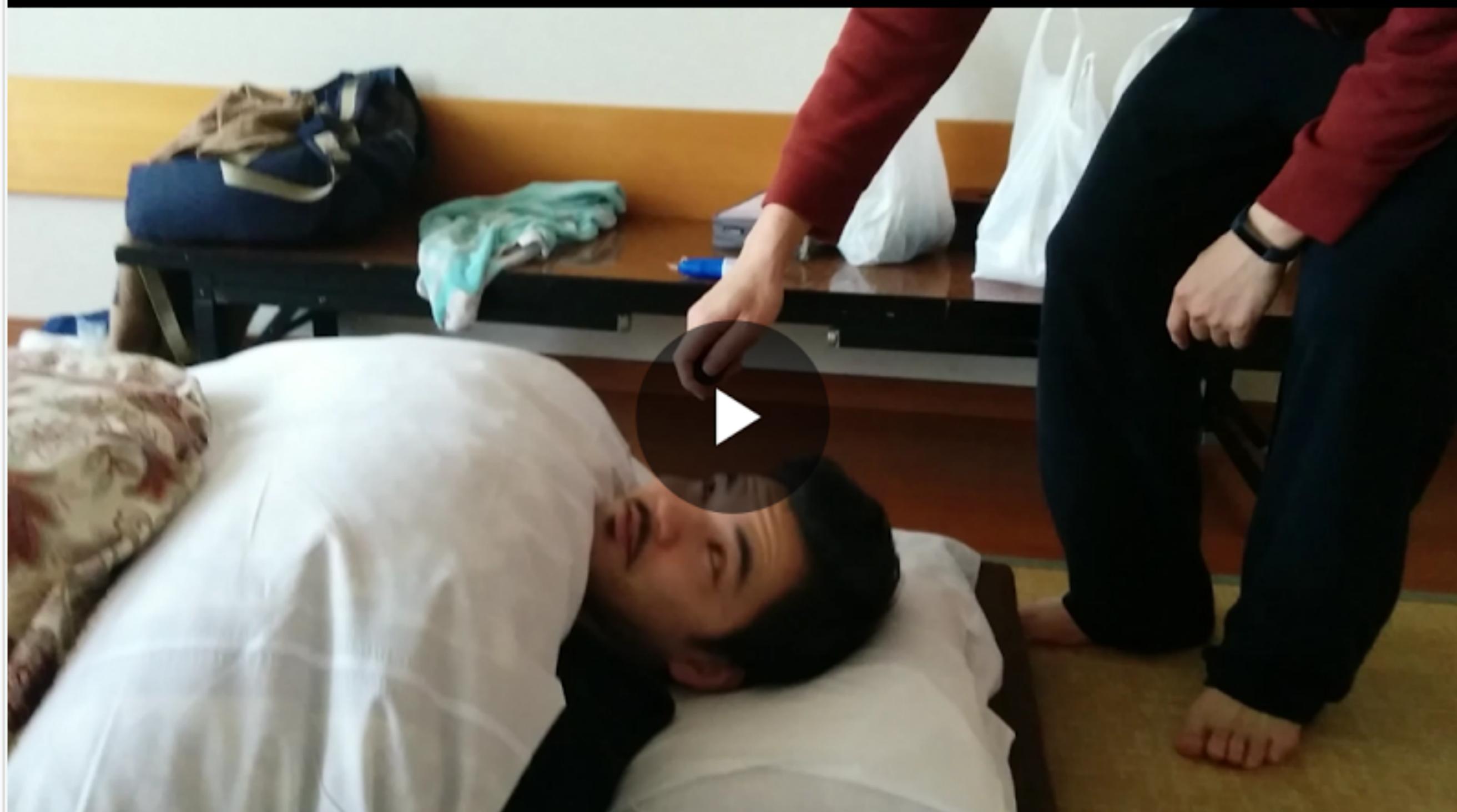
SpecificationName	SpecificationType	AssignedNumber	SpecificationLevel
<a href="#">Alert Notification Service</a>	org.bluetooth.service.alert_notification	0x1811	Adopted
<a href="#">Automation IO</a>	org.bluetooth.service.automation_io	0x1815	Adopted
<a href="#">Battery Service</a>	org.bluetooth.service.battery_service	0x180F	Adopted
<a href="#">Blood Pressure</a>	org.bluetooth.service.blood_pressure	0x1810	Adopted
<a href="#">Body Composition</a>	org.bluetooth.service.body_composition	0x181B	Adopted
<a href="#">Bond Management</a>	org.bluetooth.service.bond_management	0x181E	Adopted
<a href="#">Continuous Glucose Monitoring</a>	org.bluetooth.service.continucus_glucose_monitoring	0x181F	Adopted
<a href="#">Current Time Service</a>	org.bluetooth.service.current_time	0x1805	Adopted
<a href="#">Cycling Power</a>	org.bluetooth.service.cycling_power	0x1818	Adopted
<a href="#">Custom Control</a>	org.bluetooth.service.custom_control	0x181C	Adopted











# まとめ

- ・ GoBotでBLE制御できるようになってた
- ・ GoBotについてミニドローンが
- ・ BLEデバイスは簡単なプロファイルのものはハック可能
- ・ 木下さんおはようございます。