

F150: BLE advertising and pairing

This document describes the advertising data for the F150 devices.

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Overview

The intent of this document is to detail the advertising data for the F150 project.

BLE Advertising Data

The F150 BLE device advertises the following data:

| Label | AD-Type | value |
|-------------------------------|---------|---|
| Flags | 0x01 | |
| Device Name | 0x08 | default = "FENOM" |
| List of 128-bit Service UUIDs | 0x07 | Service UUID (see below) |
| Tx Power | 0x0A | |
| Mfg. Specific Data | 0xFF | Mfg.ID (to be determined) Device Serial #, for example, "0123456789" |

Note: access to the [Mfg. Specific Data](#) requires an ACTIVE scan.

When performing a scan, the central should:

- use the Service Class UUID (TBD Service UUID) to identify any F150 device from ALL BLE devices within RF range.
- use the Mfg. Specific Data, which contains the device Serial Number, to uniquely identify a specific F150 device.

Pairing

When pairing with the device a key will be requested. The key to use is initially a fix value.

| Label | value |
|-------------|----------|
| Pairing key | "123456" |

Security

Data encryption is enabled.