

F150: BLE advertising and pairing

This document describes the advertising data for the F150 devices.

Table of Contents

- [Overview](#)
 - [BLE Advertising Data](#)
 - [Pairing](#)
 - [Security](#)
-

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.