

# iGS01 BLE Payload Filter

## Introduction

Payload filter is used as filter to keep specified beacons by using payload matching.

Assume your beacon has below report:

```
$GPRP,0007802DDB1E,C946A6500A33,-43,0201061AFF660200215BC6010015000000F00000000
```

If your beacons has a fixed field "6602" in above report, you can set

Payload Pattern:    **0201061AFF6602**

Payload Mask:       **0000000000FFFF**

Then the gateway will only forward the report when "pattern & mask" matches 6602.

Ex.

To match iBeacon:

Payload Pattern:    **0201061AFF4C00**

Payload Mask:       **FFFFFFFFFFFFFF**

To match Eddystone:

Payload Pattern:    **0201060303AAFE**

Payload Mask:       **FFFFFFFFFFFFFF**

To match iBS01 series beacon:

Payload Pattern:    **02010612FF590080BC**

Payload Mask:       **FFFFFF00FFFFFF00FF**

To match iBS01/iBS02/iBS03/iBS04 series beacon:

Payload Pattern:    **02010612FF0D0080BC**

Payload Mask:       **FFFFFF00FF00FF00FF**

## Revision History

DATE	REVISION	CHANGES
Feb 1, 2017	1	Initial release
May 11, 2017	2	Add example for iBeacon, Eddystone and iBS01
Aug 7, 2019	3	Add example for iBS02/iBS03/iBS04