

FeasyBeacon

FeasyBeacon Getting Started Guide Version 2.8

Feasycom Online Technical Support: Skype: Feasycom Technical Support Direct Tel: 086 755 23062695 Email: support@feasycom.com



1. Product Introduction

FeasyBeacons are designed by Shenzhen Feasycom Technology Co., Ltd which has the typical models as below showing:



Model	FSC-BP103
Chipset	TI CC2640R2F
Bluetooth Version	V5.0
Size (L*W*H mm)	33.8*37.8*7.9
Battery Type	CR2032
Battery Life (at 1300ms,0dBm)	1 year
Max Work Range	Up to 80m
LED	YES
Motion sensor	Optional
Buzzer	Optional
Button	YES
Beacon Broadcast	Up to 10 slots
Beacon Protocol	iBeacon/Eddystone/AltBeacon
Support System	IOS7.0+, Android4.3+



2. How to start FeasyBeacon

2.1 Power supply



Figure 1

2.2 Download FeasyBeacon APP

"FeasyBeacon" APP is available on Apple APP Store and Google Play Store. Before using the beacon, please install the APP first.

2.3 Set FeasyBeacon Parameters

(1) Open FeasyBeacon APP, in the FeasyBeacon "Beacon" interface, you can see the beacons nearby. (as Figure 2)

(2) Press the Setting button in the middle of the menu. After entering "Setting" interface, select the beacon from the listing which with the strongest signal. (Please place beacon next to your phone for quick connection) (as Figure 3)

FeasyBeacon	Setting			
FSC_BP103 (DC:0D:30:00:03:3F)	FSC_BP103 III MAC: DC:0D:30:00:02:FC RSSI:-65			
RSSI at 0m: -21 RSSI:-75 URL https://goo.gl/PHNSdm	FSC_BP103 MAC: DC:0D:30:00:03:E7 RSSI:-76			
FSC_BP103 (DC:0D:30:00:03:E2) Beacon	unknow name MAC: 13:FB:C7:EB:77:28 RSSI:-94			
RSSI at 1m: -3 RSSI:-76 UUID: fda50693-a4e2-4fb1-afcf-c6eb07647825 Major: 10065 Minor: 26049	FSC_BP103 MAC: DC:0D:30:00:03:E3 RSSI:-72			
FSC_BP103 (DC:0D:30:00:0C:57)	FSC_BP103 MAC: DC:0D:30:00:03:65 RSSI:-82			
Eddystone (URL) 0x10 RSSI at 0m: -21 RSSI:-93 URL https://goo.gl/PHNSdm	FSC_BP103 III MAC: DC:0D:30:00:03:3F RSSI:-75			
FSC_BP103 (DC:0D:30:00:03:E0)	FSC_BP103 III MAC: DC:0D:30:00:03:E2 RSSI::80			
RSSI at 1m: -3 UUID: fda50693-a4e2-4fb1-afcf-c6eb07647825 Major: 10065 Minor: 26049	Feasycom MAC: AC:23:3F:20:96:E2 RSSI:-55			
FSC_BP103 (DC:0D:30:00:03:65)	Feasycom (*) MAC: DC:0D:30:31:3E:03 RSSI:-90			
Eddystone (URL) 0x10 RSSI at 0m: -21 RSSI:-72 URL https://goo.gl/PHNSdm	103-0426 III MAC: 00:1D:43:9A:04:26 RSSI:-76			
Reacon Setting About	Beacon About			
Beacon interface	Setting interface			
Figure 2	Figure 3			



Setting FSC_BP103 MAC: DC:0D:30:00:03:E3 FSC_BP103 MAC: DC:0D:30:00:03:E2 FSC-BT906-LE MAC: DD:0D:30:00:1C:42 SI:-67 YES + know name AC: 78:DA:07:6B:CF:6B DD.0D.30.43.52.90 Feasycom MAC: DC:0D:30:00:05:01 88 1111 ٢ \odot Q unknow name MAC: 7E:22:91:6D:5D:E0 1 2 з × FSC_BP103 MAC: DC:0D:30:00:03:F5 4 5 6 * FSC_BP103 MAC: DC:0D:30:00:03:65 + FSC_BP103 MAC: DC:0D:30:00:02:FC 7 8 9 . 95 0 0T0 (C) Setting 波田 空格 ↩ Figure 4 Figure 5

(3) Input the default password: 000000. (as Figure 4, Figure 5)

(4) After connected successfully, you can configure the beacon parameters or add new broadcasts, click "Save" after finished. (as Figure 6, Figure 7)

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< Back	Parameter Setting	L Save
Model :		BP103
Version:		V5.1.1
Name:		1 Test
Pin:	2	000000
Interval(ms):	:	3 1285
TxPower:	4 Odt) –
Extend:		
Extend.	1151	г 🔿
	URL https://apa	
RSSI at 0m:	6	11
Enable:		
	7 (Add Beacon +
(u - 3)	~~~	
(((T))) Beacon	ई ्र े Setting	About
	Figure 6	

1> Change the device name

2>Change the device password, where it shows Pin.

3>Interval: Set the beacon broadcast interval in milliseconds.

4>TxPower: This value decides the work distance. Support to change the TxPower when need a shorter distance or save the battery life via -21dBm to 5 dBm(-21dBmshortest,5dBm longest range)



Remarks:

(BP109 already with the best work condition, no need to set the TxPower) 5>Delete the beacon broadcast 6>Set the beacon broadcast parameters 7>"Add Beacon": Add a new broadcast 8>Choose the beacon "broadcast type" 9>Fill in the beacon broadcast parameters 10>Click "Add" to Finish 11>Click "Save" .(Save the new added broadcast of the beacon)

(5) The added broadcast will show in the beacon interface list.

(6) When the beacon has a button or G-sensor, there will be G-sensor and Key options in the app. (as Figure 8)

After power on, the beacon will broadcast at the interval of 1300ms (Value 1)

When Value 2 is 0, default setting shows G-sensor is closed. When G sensor is triggered, beacon will broadcast at the interval of 100ms and will change back to 1300ms after 35000ms (Value 3)

When short press button (led light flash 1 times), beacon will broadcast at the interval of 100ms (Value 4) and will change back to 1300ms after 35000ms (Value 5)

The meaning of the Key value is the same as G-sensor, but the triggered condition is short press the button. Please notice: values of "Interval" "G sensor" "Key" can't be 0 at the same time.



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< Back	Parameter Setting	Save
Model :		BP103
Version:		V5.1.6
Name:		1033333
Pin:		000000
Interval(ms):	1300ms	1 -
Gsensor: Or	2 ms - 35000ms	3 -
Key: 4 10	00ms - 35000ms	5-
TxPower:	0db	*
Extend:		
1	iBeacon	×
UUID:	fda50693a4e24fb1afcfc6e	b07647825
Major:		10065
Minor:		26049
RSSI at 1m:		-3
Enable:		
2	URL	×
URL:	https://goo.g	gl/PHNSdm
RSSI at 0m:		11
	Figure 8	

3. Beacon broadcast setting

3.1 How to set Eddystone-URL to Beacon device

Follow the steps below to add a new URL broadcast.

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BeaconType	Eddystone URL	-	Interval(ms): Extend:	r arameter Setting	100	Feasycom (00:00:30:43:52:90) Edgstone (URL) 0:10
4 URL: RSSI at OM: Enable:	http://www	Higosofik com Higosofik Hi	1 UUD: Major: Misor: RSSI at 1m: Enable: 2 URL: RSSI at 0m: Enable:	iBeacon Tds5069384e24fb1afcfc URL RE	Ace Record 10188 10189 14547 0 2 Ace Record 10	RSSI:-20 URL "thp://www.geogle.com RSSI:-31 Edity thp://www.geogle.com RSSI:-50 URL "thp://www.geogle.com RSSI:-20 URL "thp://www.geogle.com RSSI:-20 URL "thp://www.geogle.com RSSI:-20 URL "thp://www.geogle.com RSSI:-20 WRL "thp://www.geogle.com RSSI:-20 WRL "thp://www.geogle.com RSSI:-20 RSSI:-20 RSSI:-20 RSSI:-20 RSSI:-20 WRL "thp://www.geogle.com RSSI:-20 RSSI:-20 RSSI:-20 RSSI:-20 RSSI:-20 MRL "thp://www.geogle.com RSSI:-31 MRL "thp://www.geogle.com RSSI:-31 MRL "thp://www.geogle.com RSSI:-31 MRL "thp://www.geogle.com RSSI:-31 MRL "thp://www.geogle.com RSSI:-32 WRL "thp://pc.com RSSI:-33 WRL "thp://pc.com
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Figure 9			Figur	re 10		Figure 11

- Open FeasyBeacon app and connect to the beacon device 1
- Add a new broadcast 2
- 3 Select "URL" broadcast type
- 4 Fill in URL and RSSI at 0m parameter
- 5 Click "Add" to Finish
- 6 Display the new added URL Broadcast
- Click "Save" (Save the new added URL broadcast of the beacon) 7
- The added beacon URL broadcast will show on Feasybeacon APP list 8

Remarks:

Enable: Circle one left, disable the beacon broadcast

Circle on Right: Enable the beacon broadcast.



3.2 How to set Eddystone-UID to Beacon device

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< Back	Add Beacon	5 Add	< Back	Parameter Setting	7 Save		Beacon	
3 BeaconType	Eddystone UID	Ť	Extend:	iBeacon	×		Feasycom (DD:0D:30:43) Eddyslane (UID) 0x00 RSSI at 0m: -19	52:90) 8
A Namespace:	1222122	242226232555	UUID: Major:	fds50693a4e24fb1afcf	c6eb07647825 10188	RSSI-25	Namespace: 1222122242226 Instance: 556584122588 Reserved: 1000	2325555
Reserved: RSSI at 0m:		1000	Minor: RSSI at 1m: Enable:		14547	RSSI:-52	BP109-0013 (DD:0D:30:0 AltBescon RSSI at 1m: 0 Manufacturer : 0 Bescon ID: 00000000000000	0:13:C2)
LINGUIC.			2 Namespace: Instance: Reserved: RSSI at 0m: Enable:	UID 13771328	X 4222962325555 5555564122588 1000 -18	RSSI-84	00000000 Reserved: 00 FSC_BP103 (DC:0D:30:00 Eddystone (URL) 0x10 RSSI at 0m:-21 URL https://goo.gl/PHNScm L (DD:0D:30:00:11:16)):03:F0)
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Figure 12				Figure 13			Figure 1	4

Follow the steps below to add a new UID broadcast

- ① Open FeasyBeacon APP and connect to the beacon device
- ② Add a new broadcast
- ③ Select "UID" broadcast type
- ④ Fill in UID Parameters
- ⑤ Click "Add" to Finish
- (6) Display the new added UID Broadcast
- ⑦ Click "Save" (Save the new added UID broadcast of the beacon)
- (8) The added beacon UID broadcast will show on Feasybeacon APP list



4. Forget password

If miss the password, you can access the beacon with the default password (000000) within 1 minute of repower-on the beacon. Please follow the steps below:

4.1 Re-power the Beacon device

4.2 Enter FeasyBeacon APP, connect beacon device by default password (000000) in the setting interface

4.3 Change new password and save it.

5. Firmware upgrade

We will keep updating the new version of FeasyBeacon APP, SDK and firmware, which will optimize the using experiences or add new functions.

6. Certifications

FCC:

FCC ID: 2AMWOFSC-BP103

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.