



GLOWBIRD Beacon

GB2113 V1.0

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iBeacon is a trademark of Apple Inc., Eddystone is a trademark of Google Inc.

Please contact GlowBird sales team or visit <https://www.glowbird.com/> to get more related information if needed.

Revision History

Version	Date	Changes	Author
V1.0	2025-12-18	Initial Release	Origami

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1. Description

GlowBird Beacon GB2113 is an ultra mini size USB powered beacon. It simultaneously supports iBeacon, Eddystone (e.g. URL, UID), AltBeacon for broadcasting and provides the ability to advertise up to 10 slots of advertising frames. Transmit distance up to 450m.

With low cost and long cover range features, it's the best choice for business marketing projects with limited budget.

2. Features

- USB Powered, Small Size
- Bluetooth 5.2 USB BT beacon
- Up to 10 slots of Advertising Frames
- Up to 450m cover range
- Configurable by Free GlowBird Beacon Mobile App and SDK
- Customizable Color, Logo, Hardware, Software

3. Functional Specifications

Item	Description
Advertising Format	Eddystone (URL/ UID/TLM), iBeacon, AltBeacon
Configuring Method	GlowBird Beacon SDK compiled app (e.g. GlowBird Beacon app)
Advertising Interval	Default 100 ms, range from 100 ms to 2000 ms
Security	Access password required, Default Pin Code 000000
Max Number of Broadcast	10 Slots configurable advertising frames
Default Broadcast Interval	100 ms for iBeacon & TLM
System Compatibility	iOS 9.0+, Android 4.3+
Advertising Distance	Up to 450m (open area)
Firmware Upgrading	OTA (upgrade firmware over the air)

4. Product Specifications

Item	Description
Chipset	FSC1011
Bluetooth Version	Bluetooth 5.2
TX power	+5 dBm (Max)
Antenna	PCB Coil antenna
Power Supply	5V USB
Material	ABS plastic
Color	Black, or customized
Size	32.8x16.2x8 mm
Net weight	3.5g
Operating temperature	-10°C to +70°C
Protection	IP40

5. Configurable Parameters

Parameters in the below table are configurable by GlowBird Beacon SDK compiled app (e.g. GlowBird Beacon app), feel free to download GlowBird Beacon app from Google Play App Store or iOS App Store.

Parameter		Description
Device Name		UTF-8 string, Default: GB2113
Pin Code		Access password to GB2113 Default: 000000, Range: 000000 ~ 999999
Advertising Interval		Default: 100 ms, Range: 100 ~ 2000 ms
Tx Power		Maximum Tx power: +5 dBm, Default: 5 dBm, Range: 0 ~ +5 dBm
Eddystone-URL	URL	URL that needed to be advertising
	RSSI at 0m	A 1-byte value representing the average received signal strength at 0m from the advertiser (GB2113), range: 0 ~ -127
Eddystone-UID	Namespace	10-byte Namespace
	Instance	6-byte Instance
	Reserved	Reserved for future use
	RSSI at 0m	A 1-byte value representing the average received signal strength at 0m from the advertiser (GB2113), range: 0 ~ -127

iBeacon	UUID	16-byte UUID, e.g. FDA50693A4E24FB1AFCFC6EB07647825
	Major	2-byte Major, range: 0 ~ 65535
	Minor	2-byte Minor, range: 0 ~ 65535
	RSSI at 1m	A 1-byte value representing the average received signal strength at 1m from the advertiser (GB2113), range: 0 ~ -127
AltBeacon	ID1	Beacon Identifier 1
	ID2	Beacon Identifier 2
	ID3	Beacon Identifier 3
	RSSI at 1m	A 1-byte value representing the average received signal strength at 1m from the advertiser (GB2113), range: 0 ~ -127
	Manufacturer ID	The beacon device manufacturer's company identifier code
	Manufacturer Reserved	Reserved for use by the manufacturer to implement special features

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