

Contents [[hide](#)]

- [1 Feasycom Beacon Parameter Generation Tool](#)
- [2 Specifications](#)
- [3 Product Information](#)
- [4 Usage Instructions](#)
- [5 Chapter 1](#)
- [6 Chapter 2](#)
- [7 Chapter 3](#)
- [8 Chapter 4](#)
- [9 Chapter 5](#)
- [10 Chapter 6](#)
- [11 Chapter 7](#)
- [12 Chapter 8 Appendix](#)
- [13 FAQs](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)

Feasycom-logo

Feasycom Beacon Parameter Generation Tool

Feasycom-Beacon-Parameter-Generation-Tool-product

Specifications

- Product: Feasycom BeaconParameterGenerate
- Version: 2.0
- Date: 2025-09-09
- Author: Oran

Product Information

The Feasycom BeaconParameterGenerate is a user-friendly tool designed by Shenzhen Feasycom Co., Ltd. It allows users to easily set parameters and configurations for their devices.

Usage Instructions

How to Generate Parameters Quickly:

To generate parameters quickly, follow the intuitive interface of the tool and input the required values as per your device's specifications.

Custom Device Name Generation:

To generate custom device names, follow these rules:

- Fixed name prefix
- Name suffix generation rules: Decimal auto-increment, Hexadecimal auto-increment, Base36 auto-increment
- Initial value of the name suffix
- Required number of digits for the suffix

Generating Broadcast Interval, Transmit Power, and PIN Code Parameters:

To generate these parameters, follow these rules:

- Select the module model
- Enter the broadcast interval value
- Set the corresponding transmit power after selecting the module model
- Enter the PIN code

Generating iBeacon Parameters:

To generate iBeacon parameters, follow the specified rules for UUID generation and RSSI generation.

Chapter 1

Features

- **Easy to Operate:** The Beacon Parameter Generation Tool simplifies the process of creating required Beacon parameters for customers, eliminating the need to delve into technical details.
- **Custom Parameter Settings:** Users can customize parameters such as UUID, Major, and Minor according to their specific needs.
- **Improved Work Efficiency:** The use of this tool significantly reduces the time and effort required to create parameters, thereby markedly improving work efficiency.
- **Bulk Generation and Export:** The tool's bulk generation function allows users to create multiple Beacon parameters at once, while the export function facilitates saving or sharing parameters, further enhancing the tool's practicality.
- **Error Reduction:** Manual form generation is more prone to errors, while using the tool can reduce such errors.

Chapter 2

UI

The interface is intuitive and easy to use, allowing users to easily set parameters and generate configurations.

Feasycom-Beacon-Parameter-Generation-Tool-fig- (2)

Chapter 3

How to Generate Parameters Quickly

What Information is Included in Beacon Parameters?

- **Name:** The name of the Beacon, used to identify and distinguish different Beacon devices.
- **power:** The signal transmission power of the Beacon device, measured in dBm.
- **Interval:** The time interval for the Beacon to broadcast signals, measured in milliseconds (ms). This parameter determines the frequency of Beacon signal broadcasts. A shorter interval can increase signal coverage but will consume more

battery power.

- Pin: The PIN code used for connection.
- UUID: A globally unique identifier used to distinguish different Beacon networks or applications.
- Major: Used to distinguish regions or categories under the same UUID.
- Minor: Used to further refine the classification of Major and identify more specific locations or items.
- Rssi: A 1-byte value representing the average signal strength received from the advertising device at a distance of 1 meter, with a value range from 0 to -127.

Chapter 4

Custom Device Name Generation

The screenshot shows a software interface titled "FSC BeaconConfigParamGenerate v1.0.0". It contains a form for configuring beacon parameters. The form has a "name" section with four input fields: "prefix" (containing "FSC-BP104E" with a red "1" next to it), "initValue" (containing "20" with a red "3" next to it), "suffix" (containing a dropdown menu with "Decimal self addition" selected, with a red "2" above it), and "fixLength" (containing "4" with a red "4" next to it).

Generation Rules:

1. Fixed name prefix.
2. Name suffix generation rules: Decimal auto-increment, Hexadecimal auto-increment, Base36 auto-increment.
3. Initial value of the name suffix.
4. Required number of digits for the suffix.

Chapter 5

Generating Broadcast Interval, Transmit Power, and PIN Code Parameters

Generation Rules:

1. Select the module model (Choose the one that matches the device's model).
2. Enter the broadcast interval value in the settings box.
3. After selecting the module model, set the corresponding transmit power.
4. Enter the PIN code in the settings box.

Chapter 6

Generating iBeacon Parameters

1. UUID generation rule: Fixed UUID
2. major&minor generation rules:
 - FixedValue (Fixed Value)
 - Increment (Auto-increment)
3. max: Maximum value
4. min: Minimum value
5. int: Initial value
6. rssi generation rule: Fixed rssi

Chapter 7

Cases

Case 1

Case Requirements

There are 1000 modules, with names ranging from FSC-BP104E0020 to FSC-

BP104E1019.

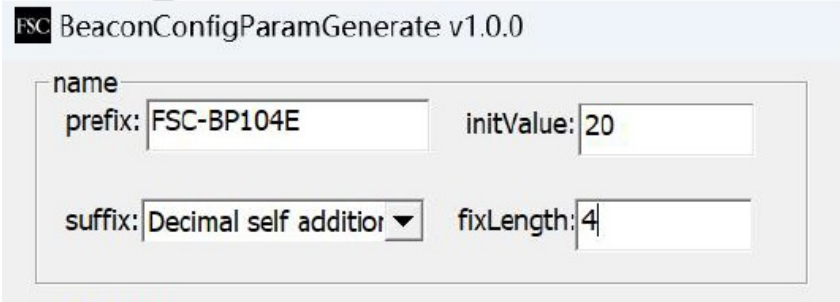
Examples are listed as follows:

FSC-BP104E0020 FSC-BP104E0021 ...FSC-BP104E1018 FSC-BP104E1019

Requirement Analysis

According to the naming rules, the customer's requirement can be parsed into two parts for the module names: a fixed prefix "FSC-BP104E" and a variable 4-digit suffix. The suffix starts with an initial value of 20 and increments in decimal format. The name suffix must be 4 digits long, with leading zeros added if it has fewer than 4 digits.

Tool Configuration



The screenshot shows a software window titled "BeaconConfigParamGenerate v1.0.0". Inside, there are four input fields for configuring a parameter name. The "name" section contains a "prefix" field with the value "FSC-BP104E" and an "initValue" field with the value "20". The "suffix" section contains a dropdown menu set to "Decimal self additior" and a "fixLength" field with the value "4".

Parameter Generation



An empty rectangular text box intended for displaying the generated parameter values.

Case 2

Case Requirements

- Name prefix: wisp-
- Suffix rules: Decimal auto-increment, initial value is 01516, retain 5 digits.
- UUID: D546DF97475747EFBE093E2DCBDD0C77
- Major: Fixed value 1.
- Minor: Initial value is 01516, auto-increment, quantity is 1200.

Feasycom-Beacon-Parameter-Generation-Tool-fig- (8)

Tool Configuration

Parameter Generation

Feasycom-Beacon-Parameter-Generation-Tool-fig- (10)

Chapter 8 Appendix

Download PDF

- Feasycom BeaconParameterGenerate User Guide (PDF)

FAQs

How do I download the PDF user guide?

In the Appendix section, click on the 'Download PDF' link to access the user guide.

Documents / Resources

	Feasycom Beacon Parameter Generation Tool [pdf] User Guide Beacon Parameter Generation Tool, Parameter Generation Tool, Generation Tool
--	--

References

- [User Manual](#)

📁 FEASYCOM 🔍 Beacon Parameter Generation Tool, FEASYCOM, Generation Tool, Parameter Generation Tool

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [About Us](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#) | [LinkedIn](#) | [FaceBook](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.