

# Bluetooth Coder

**Get Started**

**Bluetooth Coder 1.0**

**BC-555**

**S3 Engineering Lanka (Pvt). Ltd**  
**S3EngineeringHome@gmail.com**



S3 Engineering  
Lanka (Pvt) Ltd.



# **Bluetooth Coder BC- 555 User's Guide**

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The Bluetooth Coder device is used to configure a Bluetooth Extender device that was designed by S3 Engineering Lanka (Pvt) Ltd. This device can be configure two Bluetooth Extender devices and one Bluetooth Module simultaneously. This is a smart & simple USB plug and play device. User can input all device data by using a unique windows software called as Bluetooth gadget pack.

## **Instructions:**



Main part of the Bluetooth Coder

1. USB input port
2. Serial input port
2. Power & data output slot for Bluetooth Extender
3. Reset button
4. Data configuration button
5. Default data configuration button

### Power & data output slot pinouts.

Bluetooth Coder device		Bluetooth device
Section 1	EN	EN
	VCC	VCC
	GND	GND
	D1	TX <sub>1</sub>
	D2	RX <sub>2</sub>
	D3	TX <sub>2</sub>
	D4	RX <sub>1</sub>
Section 2	EN	EN
	VCC	VCC
	GND	GND
	D5	TX <sub>1</sub>
	D6	RX <sub>2</sub>
	D7	TX <sub>2</sub>
	D8	RX <sub>1</sub>
Section 3	D9	State
	D10	RX
	D11	TX
	GND	GND
	VCC	VCC
	EN	EN

### Easy steps to use Bluetooth Coder device

1. Connect the Bluetooth Coder device to computer by using USB to USB cable.
2. Connect any Bluetooth Extender device or any Bluetooth Module to power & data output slot by using above pinouts.
3. Open Bluetooth gadget pack software.
4. Set all the instruction that are required to configure.
5. Press PWR ON button.
6. Choose configuration mode as User configuration or default configuration. (User configuration mode for uploading user instructions and default mode for uploading default instruction)

7. Click upload data button in Bluetooth gadget pack software.
8. Press data configuration button to upload data.
9. After 45 seconds (after indicator bulb is off), remove all the cables you plug at the start configuration.

## **Instructions for Bluetooth gadget pack Software**

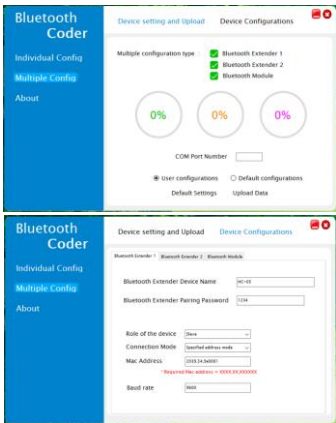
The screenshot shows the 'Bluetooth Coder' software interface. On the left is a blue sidebar with the title 'Bluetooth Coder' and three menu items: 'Individual Config' (highlighted in light blue), 'Multiple Config', and 'About'. The main area has a top navigation bar with four tabs: 'Technical', 'Identification', 'Security', and 'Upload'. Below the tabs, there are several input fields and controls:

- 'Bluetooth Extender Device Name' with a text box containing 'HC-05'.
- 'Bluetooth Extender Pairing Password' with a text box containing '1234'.
- 'Role of the device' with a dropdown menu set to 'Slave'.
- 'Connection Mode' with a dropdown menu set to 'Specified address mode'.
- 'Mac Address' with a text box containing '2028.54.9e3081'. Below it, a red asterisk note says '\* Required Mac address = XXXX.XX.XXXXXX'.
- 'Baud rate' with a text box containing '38400'.
- 'COM Port Number' with an empty text box.
- Two radio buttons: 'User configurations' (selected) and 'Default configurations'.
- At the bottom right, there is a 'Default Settings' section with an 'Upload Data' button.

### **Page 1**

#### **Page 1 Instructions**

- \* Input Bluetooth Extender device name, Pairing password, Role of the device, Connection mode, MAC address and Baud rate of the device.
- \* Suitable instruction for Role of the device & Connection mode fields are Slave and Specified address mode respectively.
- \* MAC address must be the DiHAC device MAC address.
- \* MAC address must be 14 digit number as xxxx,xx,xxxxxx and device name, pairing password must be less than 33 characters and 11 character respectively
- \* Normal communication baud rate is 9600. (But user can use 19200, 38400, 57600, 115200, 230400, 460800)
- \* COM port number is the serial data communication port number (COM port number of the USB)
- \* This page only for individual data uploading



## Page 2

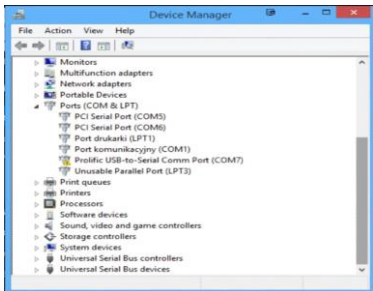
### Page 2 Instructions

- \* User can select multiple configuration type.
- \* All the multiple device instructions can be provided by choosing device configuration tab window.
- \* Bluetooth Module tab only for any of Bluetooth modules.

**User can choose two configuration modes such as user configuration mode and default configuration mode. If you use Bluetooth extender device, Role of the device and connection mode must be in Master and Specified address mode respectively. Also DiHAC MAC address must be set as MAC address field in software and Baud rate value must be 9600 for Bluetooth Extender working properly.**

## Device drivers installation

1 . Basically before device driver installation of the Bluetooth coder device, device manager shows a yellow warning triangle and has error code 10 as shown in following figure.



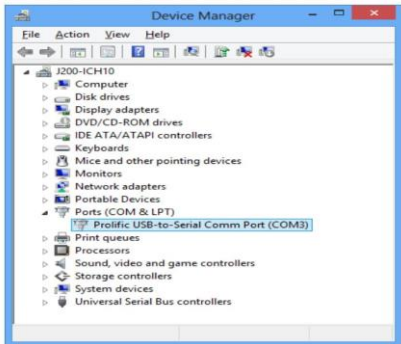
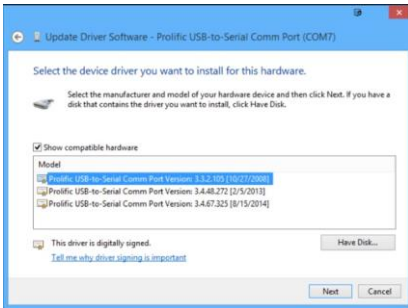
2 . Get the driver from:

<http://www.miklor.com?COM/software/P3...>

You will want to download the P3200 driver and unzip it anywhere on your computer. Once you have, double click on it to start the installation. The installation is relatively simple. Simply install drivers, then go to **Device Manager** → right click on **Prolific to Serial com port** and select **Update Driver software**.

In **Update driver software** windows choose: **Browse my computer for driver software** → **Let mi pick from list of devices on my computer**, Select **Prolific USB to Serial com port version 3.3.2. 105 model** from model list and click next.

After the installation your prolific converter will be ready to use.



## **Safety Guide for users**

### **Electrical safety**

#### ➤ Accessories

- Use only approved accessories.
- Do not connect with incompatible products or accessories.

#### ➤ Faulty damaged products

- Do not attempt to disassemble this device or its accessories.
- Only qualified personnel must service or repair the device and its accessories.

### **General Precautions**

You alone are responsible for how you use your device and any consequences of its use. You must always switch off your Bluetooth coder device whenever the use of the device prohibited.

- Avoid applying excessive pressure to the device

Do not apply excessive pressure on the Bluetooth coder device casing. Also do not apply the excessive pressure on the Uploading button when press the button.

- Protect your device

\* Always treat your Bluetooth device and its accessories with care and keep them in a clean and dust-free place.

\* Do not expose your device or its accessories to open flames or lit tobacco products.

\* Do not use harsh chemicals, cleaning solvents, or aerosols to clean the device or its accessories.

\* Do not attempt to disassemble your device or its accessories, only authorized personal must do so.

\* Store your device or its accessories at temperature between 0<sup>0</sup> C to 40<sup>0</sup> C.



\* Please check local regulation for disposal of electronic products.

- Damage requiring service

Unplug the device from the electrical outlet and refer servicing to an authorized service technician or provider under the following conditions.

- \* The product has been exposed to rain or liquid, dropped, subject to impact or damaged.

- \* There are noticeable signs of overheating.

- Avoid hot area

The product should be placed away from heat source such as radiators, heat registers, stoves, or other products that produce heat.

- Avoid wet area

Never use the product in rain, or near washbasins or other wet or high humidity locations. If your product get wet, do not try dry the product with the use of an oven or dryer, as this may damage your product.

## Bluetooth Coder



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