Change PM5's Bluetooth Class

PM5 supports Bluetooth class 1 as well as class 2. And the default class of PM5 is Class 2.

To increase the range, change to Class 1. But Class 1 consumes battery power more than Class 2.

	Class 1	Class 2
Radio power	High	Low
Range	Long	Short
Power consumption	High	Low

You can change the class in all three ways. (Refer to [Change Configuration of PM5])

- Setting up with Ring Control
- Setting up with JSON file
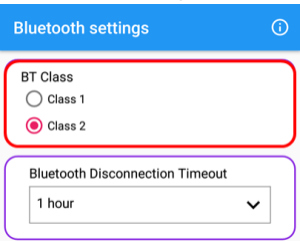- Setting up with Parameter barcode (Special barcode)

APPLIES TO

- PM5 MCU firmware: 92.06 (Feb 07 2022) and higher
- Ring Control: v2.11.0 and higher
- Ring Control Configuration Tool: v2.9.0 and higher

Setting up with Ring Control

Setting up with Ring Control

1. Launch Ring Control and connect a ring scanner you use.
2. Access **Advanced settings** with the admin password.
3. Tap **Bluetooth settings**.
4. Select desired class.

5. Press the back button to save the configuration.

Setting up with JSON file (Ring Control Configuration Tool)

Setting up with Ring Control Configuration Tool

1. Execute the Ring Control Configuration Tool on your PC.
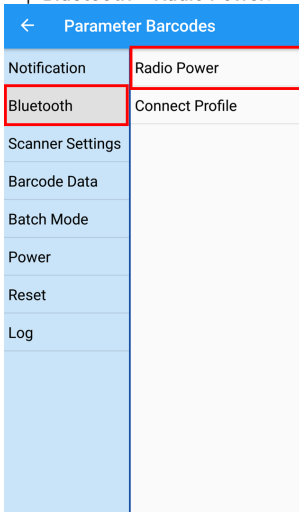2. Find the options in Bluetooth section.

3. Select desired class. **(Default: Class 2)**

4. Save the configuration as a JSON file, and apply it through Ring Control.

Setting up with Special Barcode

Setting up with Special Barcodes

1. Launch Ring Control and tap ⓘ on the top of the screen.
2. Access **Special Barcodes** screen (Admin password is required).
3. Tap **Bluetooth** > **Radio Power**.

← Parameter Barcodes	
Notification	Radio Power
Bluetooth	Connect Profile
Scanner Settings	
Barcode Data	
Batch Mode	
Power	
Reset	
Log	

4. Find the desired class barcode by swiping the screen, and scan the barcode with PM5.

Or, you can simply use below barcodes. Expand the below section.

Bluetooth Class Special Barcodes

Class 1		Class 2
‖‖‖‖ barcode		‖‖‖‖ barcode

⚠ **Don't Want to Allow Unauthorized Change?**

You can block the changes caused by special barcodes to keep PM5 in managed configuration.

Refer to   **Block Special Barcode Changes in PM5**

⚠ **After Changing the Class**

When the class is changed, the connection between ring scanner and host device will be disconnected and reconnected automatically.

⚠️