J-MEX Inc.　MOTi-B

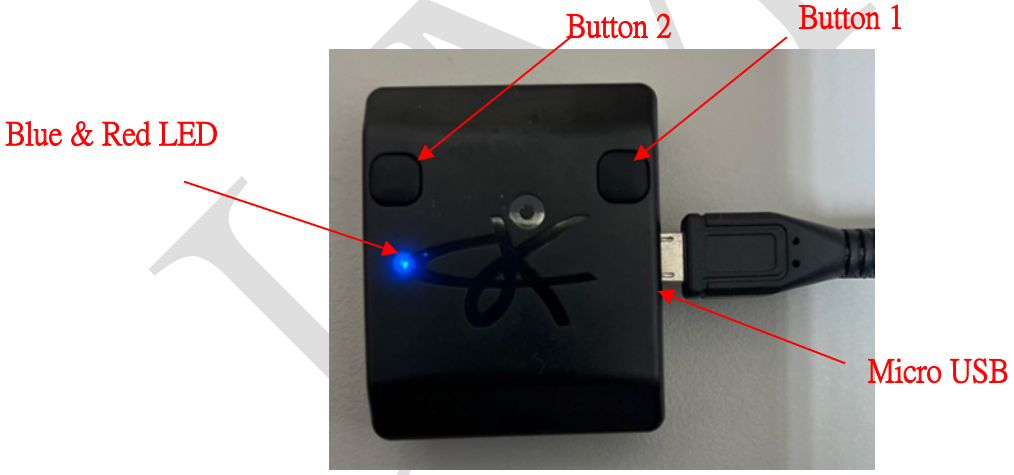
MOTi 9 軸產品規格及使用說明

1　Introduction / 介紹

- 原件種類。
  - MCU: Bluetooth® SoC (System on Chip), MCU 為 M4 等級
  - MEMs: 9 軸 MEMs sensor
- 通訊模組: 使用零件傳輸的標準，及距離限制
  - Bluetooth® Class 3, 通訊距離為 10M, 無障礙環境
  - 傳輸速率為 1Mbps (1,000,000 bit per second)
- 電池的種類及規格以及使用壽命，使用時長
  - 電池種類: Li-polymer
  - 電池壽命: 1,000 次充放電
  - 電池容量: 420mAh
  - 使用時間: 可連續使用約 6 小時

2　MOTi Feature / MOTi 功能

2.1　MOTi appearance / MOTi 外觀



2.2　LED and Button / 燈號及按鍵

As below:

- LED/燈號

BLE advertising / BLE 廣播	Blue(藍燈): Fast blinking 3 times / 藍燈快閃 3 次
BLE connected / BLE 已連接	Blue(藍燈): Turn on 3 sec, turn off / 藍燈亮 3 秒後燈滅

Charging / 充電	Blue(藍燈): Slow blinking, interval 2 seconds until to remove; 充電時,藍燈慢閃,每次閃爍間隔 2 秒
Low battery/弱電顯示	Red(紅燈): Slow blinking, interval 2 seconds, until power off or charging 弱電時, 紅燈慢閃,每次閃爍間隔 2 秒直到沒電或開始充電
Power Off/關機	Blue turn on 3 sec -> Red turn on -> Red turn off when button release 藍燈亮 3 秒後換紅燈亮直到放開電源鍵,紅燈熄滅,關機完成

- 按鈕

Power On 開機	Button 1 按鍵 1	Short press, the blue led indicator fast blinking 3 times 短壓, 藍燈快速閃爍 3 次
Power Off 紅燈	Button 1 按鍵 1	Long press for 3 seconds, the blue LED lights up for 3 seconds, until the red LED lights up and release the button, the red LED turn off. 長壓 3 秒, 藍燈會亮 3 秒,直到紅燈亮起時放開按鍵,紅燈熄滅,關機完成

2.3 MOTi Information

- Device name/裝置名稱:
  - The device name included in the advertising data should be as following:
    <JMEX-MOTi>_xxxx
    where the xxxx is the last four digits of the Bluetooth device address in hexadecimal. For example, the default advertised device name is "**JMEX-MOTi_F6B2**" if the Bluetooth device address is 00:11:22:33:F6:B2
  - 裝置名稱,藍芽廣播時包含以下數據**<JMEX-MOTi>_xxxx,** 其中最後四位英文數字 xxxx 是藍芽裝置中的 16 進位英文/數字最後四碼. 如原出廠裝置顯示為 "JMEX-MOTi_F6B2" 則該藍芽廣播位置碼為 00:11:22:33:F6:B2
- Manufacture name: J-MEX
  - 製造商名字：晶翔機電

3 穿戴位置示意(注意：有方向性)

圖示	穿戴位置	MOTi 穿戴方向
	胸口	Micro USB Charging 請朝下 

4 Quickly start/快速操作

1. 穿戴在正確的位置上，並注意方向是否穿戴正確
2. 按一下 **MOTi Button 1** 開機(藍燈閃爍三下)，BLE advertising / 藍芽廣播中
3. BLE scan，找到<**JMEX-MOTi**>_**xxxx**，進行連線

5 Safety

Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NCC 低功率射頻器材警語

(1)取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
(2)應避免影響附近雷達系統之操作。