**誠翌Gateway 指令說明**

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11. **控燈指令**

[http://192.168.1.1/cgi-bin/spi\_send?data=”0x00,0x02,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,](http://192.168.1.1/cgi-bin/spi_send?data=)**0xGG,0xGG,0xGG,**0x**LL**,0x00,0x00, 0x00,0x00,0x00,0x00,0x00”

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | [http://192.168.1.1/cgi-bin/spi\_send?data=”0x00,0x02,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,](http://192.168.1.1/cgi-bin/spi_send?data=)0xGG,0xGG,0xGG,0xLL,0x00,0x00, 0x00,0x00,0x00,0x00,0x00” |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G WiFi)** | [http://192.168.1.1/cgi-bin/spi\_send?data=”0x00,0x02,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,](http://192.168.1.1/cgi-bin/spi_send?data=)0xGG,0xGG,0xGG,0xLL,0x00,0x00, 0x00,0x00,0x00,0x00,0x00” |
| 2.4G WiFi 轉換2.4G RF訊號 | |
| Gatway發射**(2.4G RF)** | **00 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |

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| **裝置** | **指 令 / 動 作** |
| 開關接收**(2.4G RF)** | **00 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |
| 說明 | **00 02 :**控燈碼  **GG GG GG :**Loop Code  **LL :**燈Status  **KK :** Key ID |

1. **接收指令**

<http://192.168.1.1/cgi-bin/spi_recv>

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| **裝置** | **指 令 / 動 作** |
| 手機發射**(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/spi_recv> |

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| **開 關** | |
| **裝置** | **指 令 / 動 作** |
| 開關 | 開關按下 |
| 2.4G RF 訊號 | |
| 開關發射**(2.4G RF)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |
| 說明 | **63 02 :**回傳碼  **GG GG GG :**Loop Code  **LL :**燈Status  **KK :** Key ID |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收**(2.4G RF)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |
| 2.4G RF轉換2.4G WiFi訊號 | |
| Gatway發射  **(2.4G WiFi)** |  |

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| **裝置** | **指 令 / 動 作** |
| 手機 |  |

1. **學習指令**

情況1 : learning mode: 不刪除舊資料的情形下更新 table。(當在 learning mode 打開時，如果執行任何其它的 send/recv 的 command，則會自動關閉 learnning mode)  
<http://192.168.1.1/cgi-bin/spi_learning?enable=1&refresh=0>

情況2 : learning mode: 刪除所有舊資料後更新 table。(當在 learning mode 打開時，如果執行任何其它的 send/recv 的 command，則會自動關閉 learnning mode)  
<http://192.168.1.1/cgi-bin/spi_learning?enable=1&refresh=1>

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| **裝置** | **指 令 / 動 作** |
| 手機發射**(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/spi_learning?enable=1&refresh=0> |

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| **裝置** | 指 令 / 動 作 |
| Gateway **(2.4G WiFi)** | [Success](http://192.168.1.1/cgi-bin/spi_learning?enable=1&refresh=0) |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gateway **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_show?data=device> |
| **開 關** | |
| **裝置** | **指 令 / 動 作** |
| 開關 | 開關按下 |
| 2.4G RF 訊號 | |
| 開關發射**(2.4G RF)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |
| 說明 | **66 02 :**回傳碼  **GG GG GG :**Loop Code  **LL :**燈Status  **KK :** Key ID |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway發射**(2.4G RF)** | device.0.KeyName=  device.0.LoopCode=803010  device.0.KeyID=08  device.0.RSSI=-70  device.0.Status=01 |

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| **裝置** | **指 令 / 動 作** |
| 手機接收**(2.4G WiFi)** | **device.1.KeyID=08**  **device.1.KeyName=**  **device.1.LoopCode=355E01**  **device.1.RSSI=50**  **device.1.Status=77**  device.0.KeyName=  device.0.LoopCode=803010  device.0.KeyID=08  device.0.RSSI=-70  device.0.Status=01 |

若有開關按下就會持續收資料

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| **裝置** | **指 令 / 動 作** |
| 手機發射**(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/spi_learning?enable=0> |

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| **裝置** | **指 令 / 動 作** |
| Gateway **(2.4G WiFi)** | **Success** |

1. **關閉學習指令**

關閉 learning mode  
<http://192.168.1.1/cgi-bin/spi_learning?enable=0>

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| **裝置** | **指 令 / 動 作** |
| 手機 | <http://192.168.1.1/cgi-bin/spi_learning?enable=0> |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway  接收 | <http://192.168.1.1/cgi-bin/spi_learning?enable=0> |
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| Gatway  發射 | 1. 停止收碼 2. 發射停止收碼 |

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| **裝置** | **指 令 / 動 作** |
| 手機 **(2.4G WiFi)** | **Success** |

1. **取得目前資料指令**

取得目前 table 資料. (NOTE: 目前 table 裏的 status/rssi 並非即時更新，如果要得到最新的 status, 請改用 spi\_send)  
<http://192.168.1.1/cgi-bin/uci_show?data=device>

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_show?data=device> |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_show?data=device> |
| 回傳 | |
| Gatway發射**(2.4G WiFi)** | device.0.KeyName=  device.0.LoopCode=803010  device.0.KeyID=08  device.0.RSSI=-70  device.0.Status=01 |

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| **裝置** | **指 令 / 動 作** |
| 手機接收**(2.4G WiFi)** | device.0.KeyName=  device.0.LoopCode=803010  device.0.KeyID=08  device.0.RSSI=-70  device.0.Status=01 |

1. **設定Key Name指令**

設定 KeyName  
<http://192.168.1.1/cgi-bin/uci_set?data=device.0.KeyName&value=ROOM_1>

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_set?data=device.0.KeyName&value=ROOM_1> |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_set?data=device.0.KeyName&value=ROOM_1> |

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_show?data=device> |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_show?data=device> |
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| **裝置** | **指 令 / 動 作** |
| Gatway發射  **(2.4G WiFi)** | device.1.KeyID=00  device.1.LoopCode=355E01  device.1.RSSI=50  device.1.Status=77  device.0.LoopCode=803010  device.0.KeyID=08  device.0.RSSI=-70  device.0.Status=01  device.0.KeyName=**ROOM\_1** |

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| **裝置** | **指 令 / 動 作** |
| 手機接收**(2.4G WiFi)** | device.0.KeyName=  device.0.LoopCode=803010  device.0.KeyID=08  device.0.RSSI=-70  device.0.Status=01 |

1. **取得Key Name指令**

取得 KeyName  
<http://192.168.1.1/cgi-bin/uci_get?data=device.0.KeyName>

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_get?data=device.0.KeyName> |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G WiFi)** | <http://192.168.1.1/cgi-bin/uci_get?data=device.0.KeyName> |
| 回傳 | |
| Gatway發射**(2.4G WiFi)** | ROOM\_1 |

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| **裝置** | **指 令 / 動 作** |
| 手機 **(2.4G WiFi)** | ROOM\_1 |

1. **取得溫度/濕度/氣壓 指令**

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| **裝置** | **指 令 / 動 作** |
| 溫溼度計發射**(2.4G RF)** | **FF 02** **TT TT** **RH RH** **MB MB** 00 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |
| 說明 | **FF 02 :** 廣播碼  **TT TT :** 溫度  [ 溫度 ] ℃：18**16** = 24**10**；5A**16** = 90**10**；[24.90℃]度  **RH RH :** 濕度  [ 濕度 ] RH%：02CF**16** = 713**10**；[71.30%]度  **MB MB :** 氣壓  [ 氣壓 ] mbar：27C916 = 1018510；[1018.5 mbar] 毫巴  **GG GG GG :**Loop Code  **KK :** 溫度/溼度/氣壓Key ID **(0x60)** |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G RF)** | **FF 02** **TT TT** **RH RH** **MB MB** 00 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |
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| Gatway發射**(2.4G WiFi)** | **FF 02** **TT TT** **RH RH** **MB MB** 00 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | **FF 02** **TT TT** **RH RH** **MB MB** 00 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |

1. **取得插座指令**

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| **裝置** | **指 令 / 動 作** |
| 插座發射**(2.4G RF)** | **FF 02** 00 00 00 00 00 00 **EE** 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |
| 說明 | **FF 02 :** 廣播碼  **EE : 電量**  **[電量]** >= 154**10 : 電量充足**  154**10** <= **[電量]** >= 99**10 : 電量正常**  **[電量]** <= 99**10 : 電量不足**  **GG GG GG :**Loop Code  **KK :** 插座 Key ID **(0x70)** |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G RF)** | **FF 02** 00 00 00 00 00 00 **EE** 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |
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| Gatway發射**(2.4G WiFi)** | **FF 02** 00 00 00 00 00 00 **EE** 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | **FF 02** 00 00 00 00 00 00 **EE** 00 00 00 **GG GG GG** 00 00 00 00 00 **KK** |

1. **設定延遲關燈指令**

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | [http://192.168.1.1/cgi-bin/spi\_send?data=”0x00,0x02,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,](http://192.168.1.1/cgi-bin/spi_send?data=)0xGG,0xGG,0xGG,0xLL,**0x80,0xTT**, 0x00,0x00,0x00,0x00,0x00” |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G WiFi)** | [http://192.168.1.1/cgi-bin/spi\_send?data=”0x00,0x02,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00,](http://192.168.1.1/cgi-bin/spi_send?data=)0xGG,0xGG,0xGG,0xLL,**0x80,0xTT**, 0x00,0x00,0x00,0x00,0x00” |
| 2.4G WiFi 轉換2.4G RF訊號 | |
| Gatway發射**(2.4G RF)** | **00 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** **80 TT** 00 00 00 00 **KK** |

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| **裝置** | **指 令 / 動 作** |
| 開關接收**(2.4G RF)** | **00 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** **80 TT** 00 00 00 00 **KK** |
| 說明 | **00 02 :**控燈碼  **GG GG GG :**Loop Code  **LL :** 燈Status  **80 :** 定時碼  **TT :** 時間碼  **KK :** Key ID |

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| **裝置** | **指 令 / 動 作** |
| 開關 | **開關倒數計時** |
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| 開關 | **計時完成** |
| 開關發射**(2.4G RF)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |

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| **Gateway** | |
| **裝置** | **指 令 / 動 作** |
| Gatway接收  **(2.4G RF)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |
| 2.4G RF 轉換2.4G WiFi訊號 | |
| Gatway發射**(2.4G WiFi)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |

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| **裝置** | **指 令 / 動 作** |
| 手機  **(2.4G WiFi)** | **63 02** 00 00 00 00 00 00 00 00 00 00 00 **GG GG GG LL** 00 00 00 00 00 00 **KK** |