motoBlockly & ESP8266 MQTT手把手範例說明
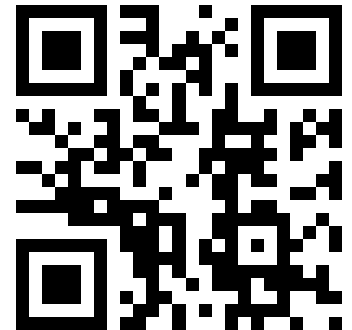
Mark Hsu

Motoduino lab Inc.
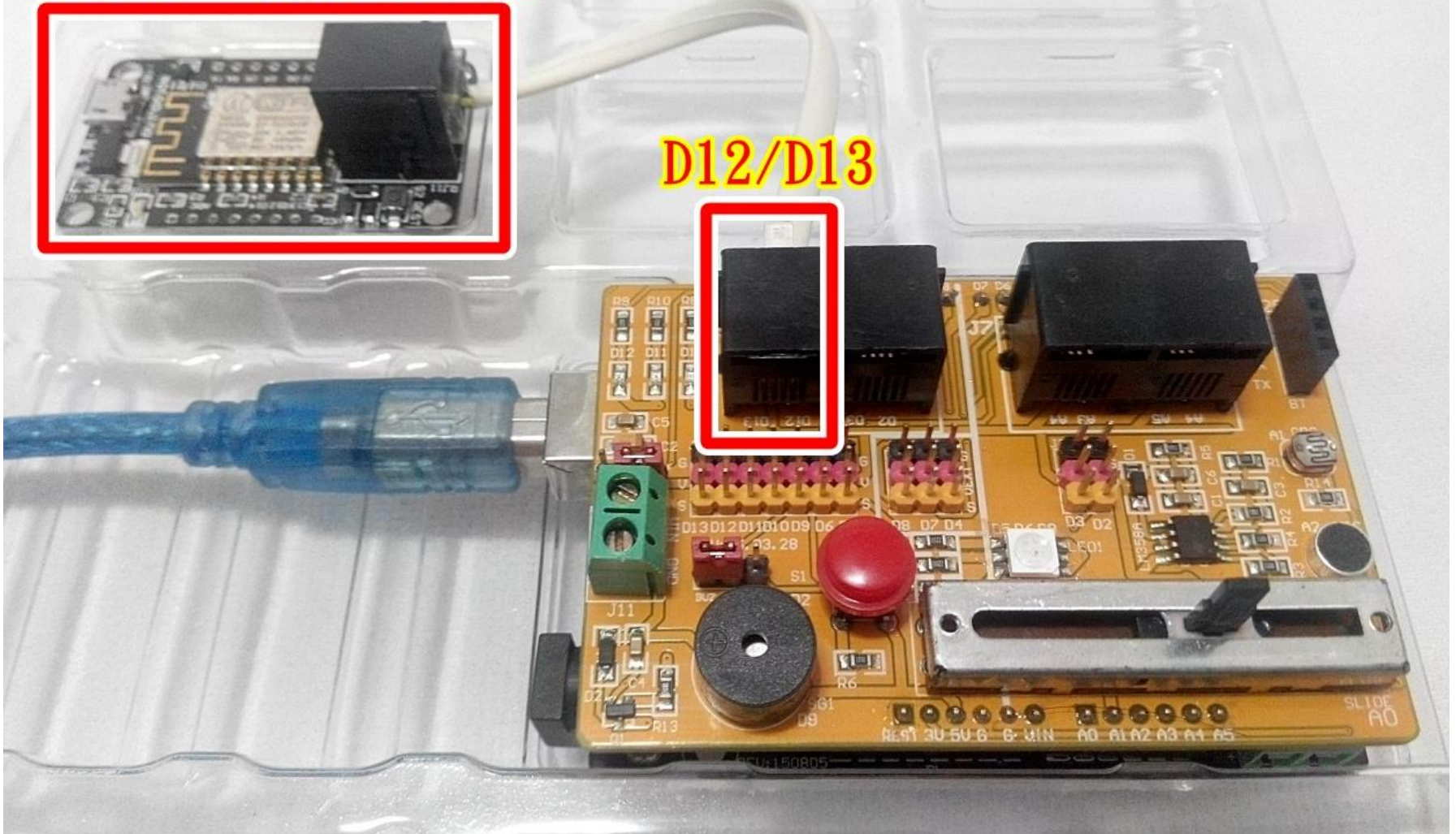
慧手科技有限公司

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硬體安裝

WiFi Terminal

D12/D13

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A.設定SSID與Password
讓ESP8266模組可連上WiFi

B.連線至MQTT Server (Broker)

請輸入ESP8266欲連線的MQTT Server(範例為 iot.eclipse.org) 及設定自己獨一無二的Client ID

C.訂閱(Subscribe)MQTT主題(Topic)

向MQTT Server訂閱自己想要
被Server提醒的主題(Topic)

D.建立當接收到訂閱的MQTT主題時的Callback副程式

接收到訂閱主題時的Callback副程式

E.完成當接收到MQTT主題時的應對動作
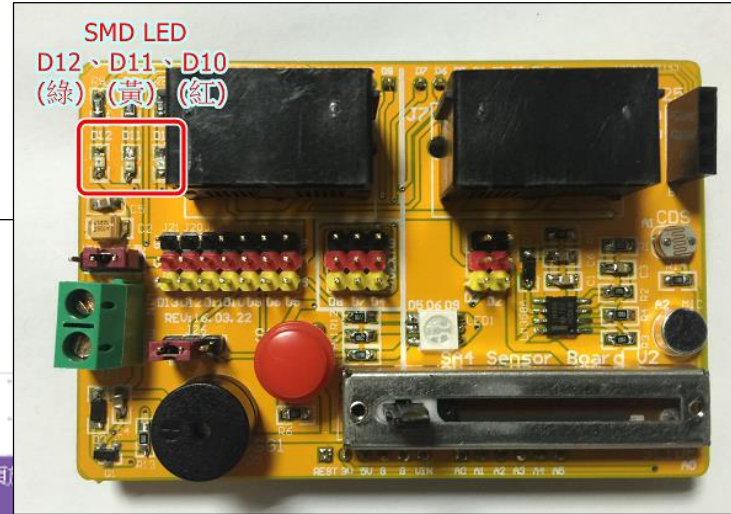
SMD LED
D12、D11、D10
(綠)(黃)(紅)

當接收到LEDTopic主題的內容為LED_ON，LED亮，
當接收到LEDTopic主題的內容為LED_OFF，LED暗。

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F.MQTT完整motoBlockly範例

MQTT APP – 基礎設定篇 I

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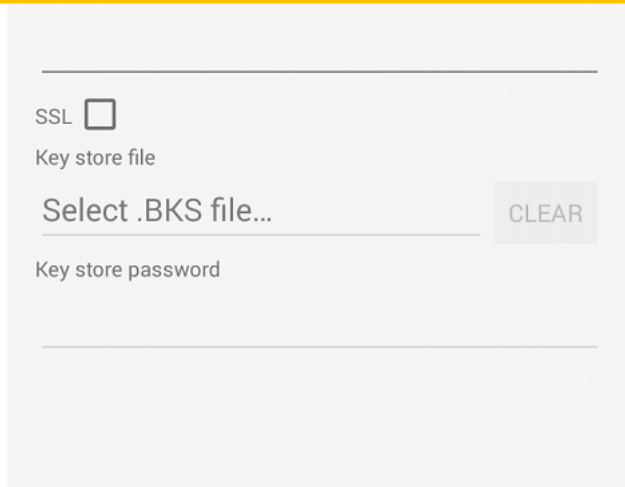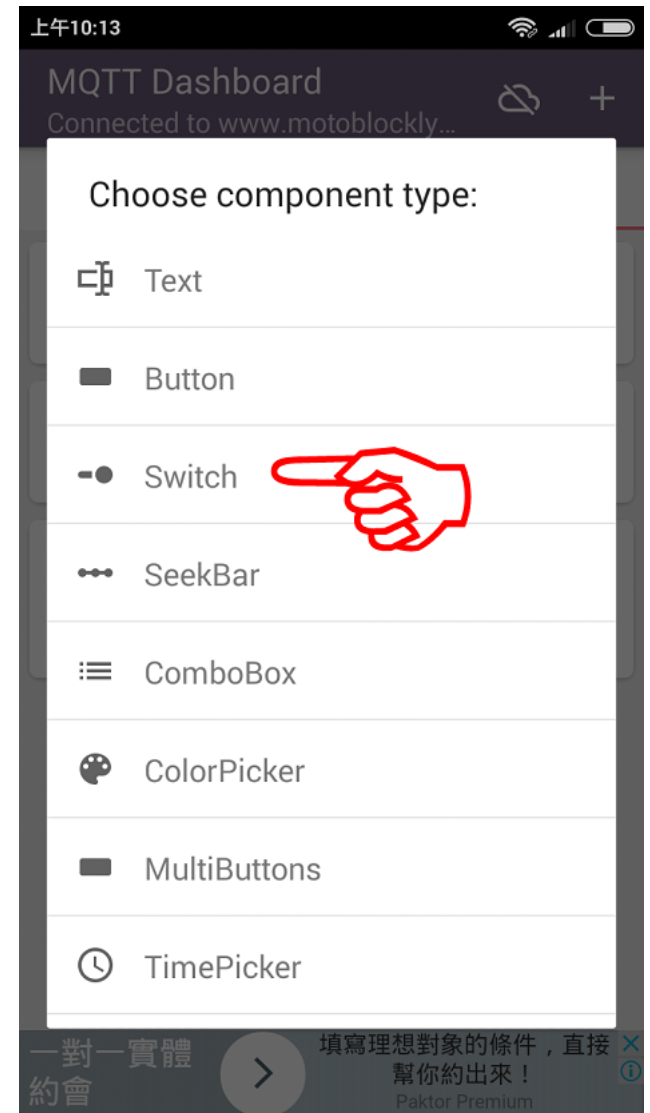Start your creative engine
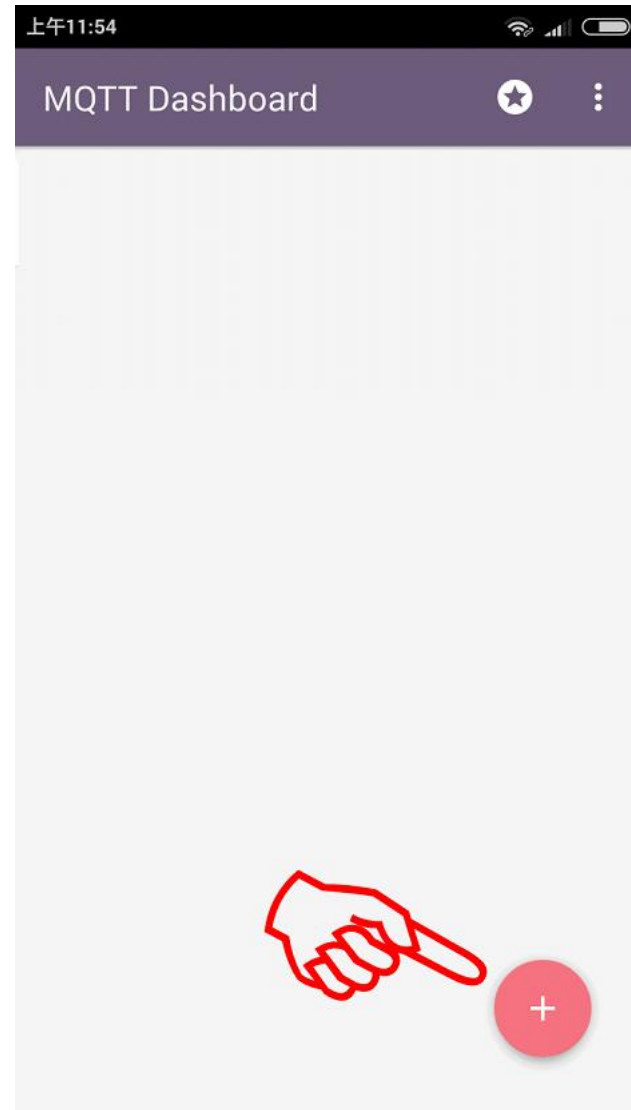
MQTT APP – 基礎設定篇 II
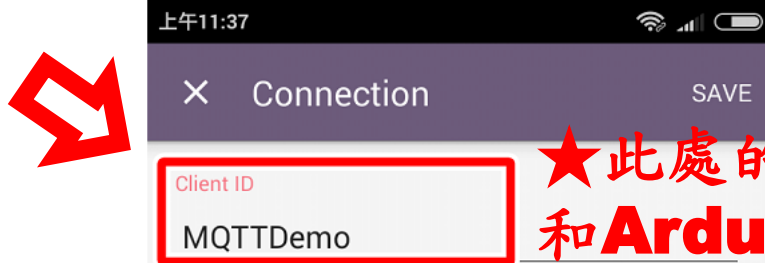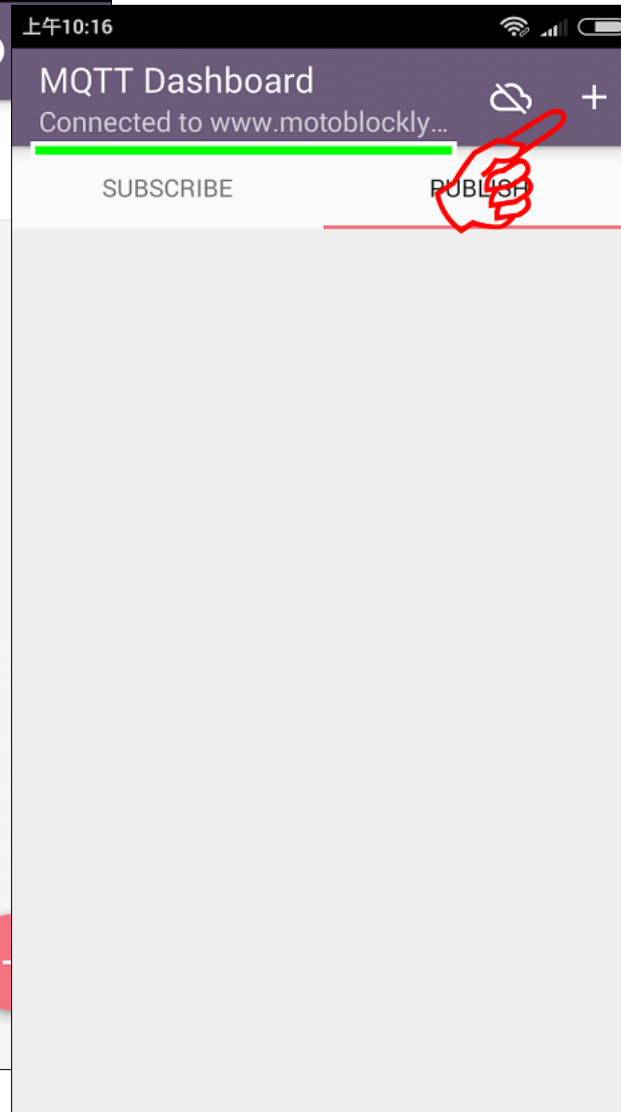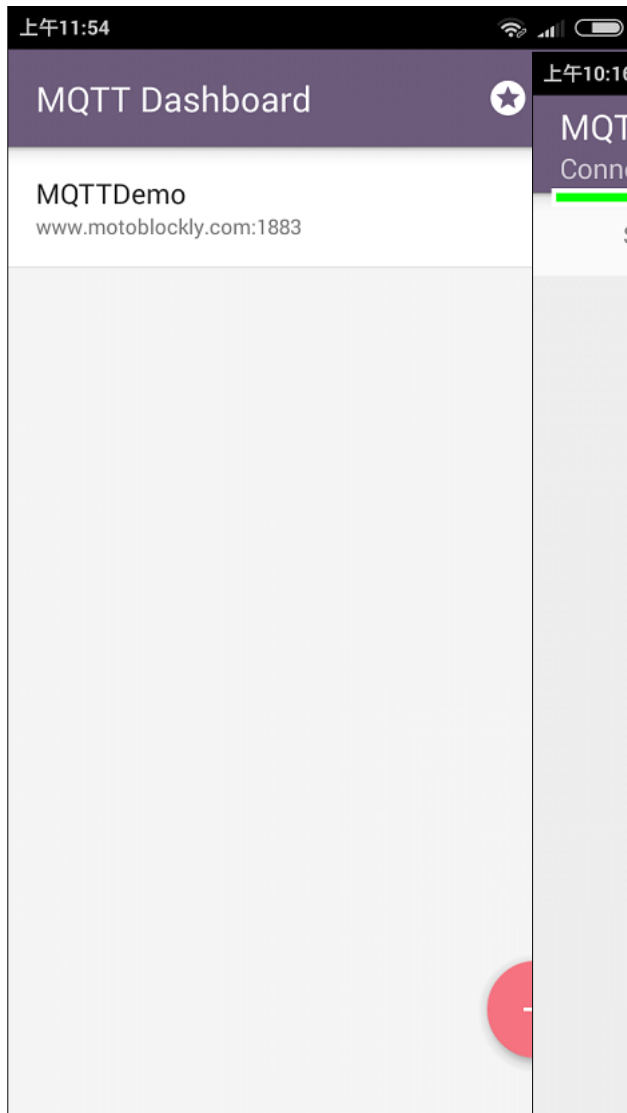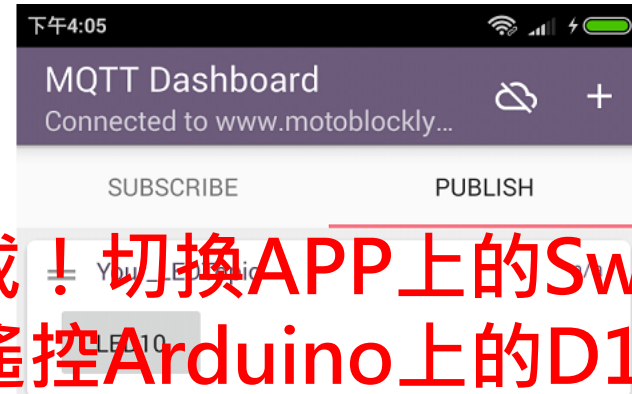

★此處的Client ID「絕對」不可和Arduino設定的Client ID相同★

輸入APP欲連結的MQTT Server位址，此位址需與Arduino設定的MQTT Server位址相同 (範例為 iot.eclipse.org)

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MQTT APP 對應設定篇 I

MQTT APP 對應設定篇 II
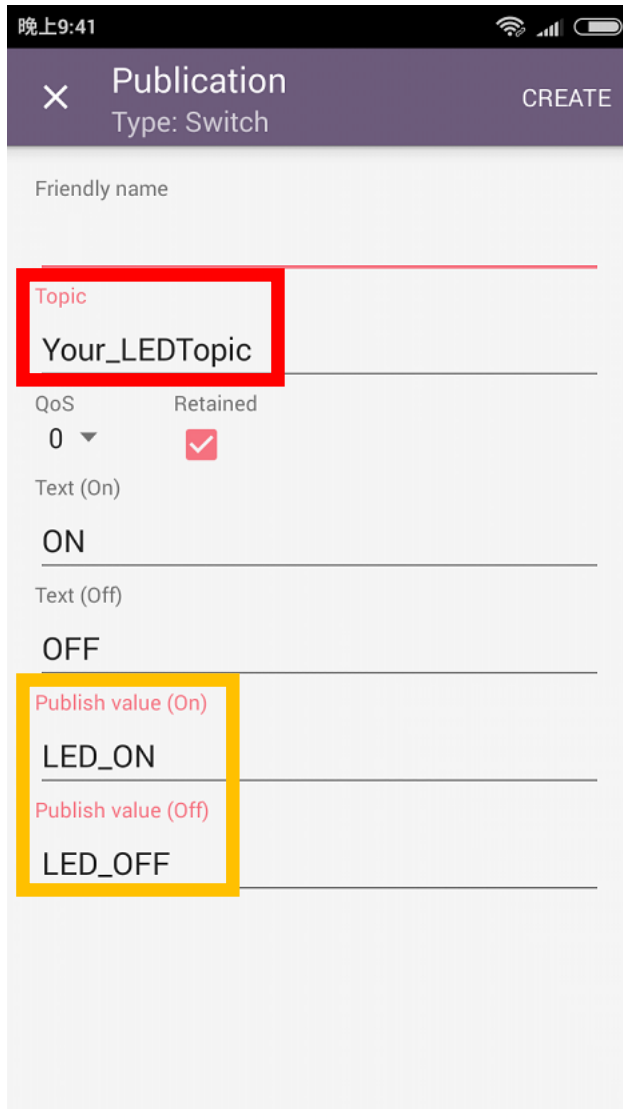
完成！切換APP上的Switch便可遙控Arduino上的D10 LED