

# A13-036

## Commercial Multipoint Wireless Music GamePad

商品化 1 對 4 無線遊戲音樂搖桿

隊名	無線玩家 / Wireless Players
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## 作品摘要 Abstract

目前市售無線搖桿僅能進行一對一（1支Gamepad配1支USB Dongle）操作且無法利用無線音樂搖桿來傳送音樂，而新設計的無線音樂搖桿系統包含一支無線USB Dongle（電腦配接器）與複數支無線音樂搖桿可支援RF 2.4GHz無線雙向通訊架構。本產品可讓4位玩家同時以無線音樂搖桿打遊戲，並可連接每個耳機來收聽到遊戲音樂的樂趣。

本產品可讓兩位玩家在進行雙打電動遊戲時，可共用1支USB Dongle，且兩位玩家皆可利用耳機連接至自己手上的無線音樂搖桿之音源接孔，收聽到電動遊戲之音樂。本作品主要設計一支無線USB Dongle（電腦配接器）與複數支無線音樂搖桿，以實現RF 2.4GHz無線雙向通訊架構下，在同一時間，可同時使用多重遊戲搖桿之輸入裝置與音樂輸出裝置的一對多功能，以取代市售無線搖桿僅能進行一對一（1支Gamepad配1支USB Dongle）操作，且無法利用無線搖桿來傳送音樂的缺點。本作品品可讓4位玩家在進行雙打電動遊戲時，可共用1支USB Dongle，且4位玩家皆可利用耳機連接至自己手上的無線音樂搖桿之音源接孔，收聽到電動遊戲之音樂。

Currently, all of the wireless gamepad products support only one gamepad with one USB dongle model without music control options. The new design of Wireless Music Gamepad System includes one wireless USB dongle (computer adapter) with multiple wireless music gamepad which adopt under RF 2.4GHz wireless two-way communication architecture. The product allows four game players who can not only use ones' wireless gamepad to play games but also enjoy the music from individual wireless music headset which connected to gamepad audio ports.

This new design, Wireless Music Gamepad System, includes one wireless USB dongle (computer adapter) with multiple wireless music gamepad which adopt under RF 2.4GHz wireless two-way communication architecture. It allows four game players who can play individual wireless gamepad and enjoy the music from one's wireless music headset concurrently. In the markets, the function of all wireless gamepad products can support only one gamepad with one USB dongle without music control options. We believe that this product provides the best solution for all game players to manipulate their gamepad and enjoy the game music easily.



圖1 > 1對4無線遊戲音樂搖桿之實體成品



Fig.2 > The Scenario of Wireless 1 to 4 Music Gamepad