

## **F8Z024 Description**

F8Z024 is a remote control for ipod, which use 2.4GHz wireless radio frequency. This system consists of a Receiver and a remote Transmitter, When the Receiver connector plug into the ipod, pressing any buttons on Remote Transmitter to output signal for Receiver and then the Receiver returns a signal to Remote Transmitter, the communication is successful if the LED on Receiver and Transmitter are green at the same time, otherwise, the LED of Remote Transmitter shows amber. These accessories multi-clip, surface-Mount Hook, battery, lanyard adjuster, as well as a lanyard can make you carry the system very convenient.

### **Receiver**

The Receiver is a stereo signal receiving configuration from Transmitter, it will power on automatically when plug the stereo connector of the Tunecommand Receiver in the jack on the top your ipod. The green light will blink three times to show you connecting status.

### **Remote Transmitter**

The Remote Transmitter can control the ipod device's play/pause, skip forward, skip backward, and volume up/down functions when the communication is successful between Receiver and Transmitter. In addition, the two small round buttons can conveniently control the shuffle and repeat functions. When push a button on the Remote, the green lights on the Remote and the Receiver blink, indicating that the signal has been

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received correctly. But if the Remote and the Receiver are too far apart to communicate, the light on the Remote blinks amber (after a short delay) instead of green when pressing a button.

### **Microprocessor**

The microprocessor U1 (IC CY8C21323-24 LFXIT) which consists of many Mixed Signal Array & includes configurable blocks of analog and digital logic, as well as programmable interconnect & allows the user to create customized peripheral configurations, to match the requirements of each individual application. Additionally, a fast CPU, Flash program memory, SRAM data memory, and configurable IO are included in a range of convenient pin-outs. This IC that is used in both of remote transmitter and the receiver .It control the ipod connector, the Transceiver and LED for Receiver unit, and control the power switch , Transceiver LED and keyboard for Transmitter.

### **The battery**

The Remote's battery level is automatically checked after pressing every button. If the battery level is low, the Remote's red light will blink following the green or amber blinking. Then the low battery should be replaced soon. However, the Tunecommand will continue to work normally until the battery is exhausted and can't work when Transmitter send out weak amber light.

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### FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 or more 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.

