

## DESCRIPTION

It includes three colors: (red, blue, and black). It's working at 2.4GHz, base frequency is 12MHz for MCU control and RF module.

The guitar controller has two parts, guitar controller and adapter. When using it, plug the adapter to PS2 or PS3 console first. The adapter green LED blinks, prompting you to connect the guitar controller. Here, you must put the 4pcs AA battery to the cell-box, close the cell-cover, and turn on the power switch. At the same time, the adapter green LED stops blinking. The guitar is connected.

When you press any button from the guitar controller, the button signal is processed by the MCU through the SPI communication format. It is sent to the RF module (MRC801B), then the MRC801B modulates the key by 2.4GHz GFSK carrier-wave signal. And transmits by the "F" type antenna.

The adapter receives the GFSK signal by the RF module and demodulates the key for SPI communication with the MCU. The MCU receives the button signal, judges the plug, and decodes the PS2 protocol if plugged to the PS2 console; or decodes the PS3 protocol if plugged to the PS3 console.

The guitar controller has a low battery indicator. If the battery is lower than 4.2V, the controller LED blinks.