Operation Description

GCX-365FIR are wireless Game Guitar Controller. It includes three Colors: (read, blue, and Black). It's working at FSR 2400MHz to 2482MHz; base frequency is 12MHz.for MCU control and RF module.

Transmit device product the any word when Power ON, and Occurred an arbitrary channel, then transmit by RF module.

{RF transceiver format: preamble+SYNC word+ Trailer+ payload+ crc(2bytes)}; arbitrary data affix the Payload byte. and transmit by 2ms/frame

The guitar controller has two part, Guitar controller and adapter, when you Using It, plug the adapter to PS2 or PS3 console first. The adapter Green LED blink, Prompt 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 stop blink. The Guitar connected.

When you press any button from Guitar controller. The all button signal thought the MCU Process for the SPI commutation format. Send to RF module(MRC801B), then, the MRC801B modulate the key by 2.4GHz GFSK carrier-wave signal. And transmit by Module "F" type antenna

The adapter receiver the GSF signal by RF module and demodulation the key for SPI communication with MCU. MCU received the Button signal the judge the Plug, and recorder the PS2 protocol if Plug to PS2 console;

to recode the PS3 protocol if Plug to the PS3 console.

The juitar controller have low battery denote, if the battery is lower 4.2V. the controller LED is blink.