

DRV-WL-BLK V3 ARE wireless Game Guitar Controller. It includes three colors: (red, blue, and Black). It's working at FSR 2.400MHz to 2.482MHz, base frequency is 12MHz. for MCU control and RF module.

The Guitar produces any word when Power on, and occurs a random channel, then transmitted by RF module.

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

the Host receiver occurs the random data when power on. Configs the SYNC word and addresses data and receives the signal by air,

Both the Guitar and Host receiver can recognize the random signal and make feedback to each other. When RSSI are disturbed, they produce random data again until that the RSSI is not disturbed. Then use this channel

The guitar controller has two parts, guitar controller and adapter, when you use 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 GreenLED stop blink. The Guitar connected.

When you press any button from Guitar controller. The all button signal through the MCU Process for the SPI communication 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 recoder the PS2 protocol if Plug to PS2 console; ro recode the PS3 protocol if Plug to the PS3 console.

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