

Circuit Principle description:

This Remote and Playchuk Mini controller kit is used for Wii™ console. The Remote communicates with Wii™ console by wireless technology, and communicates with Playchuk with a cable.

The frequency range of wireless transceiver is 2.402 GHZ to 2480MHZ, It work in Frequency-Hopping Spread Spectrum mode. Modulation type for MSK. The system clock is 24MHZ, Use a PCB antenna, Wireless communications distance up to 20 feet.

In Remote, Main chip GH2703A receives all game control data and communicates with Wii™ console wireless. The system clock is 24 MHZ, a 2xAAA power supply. In the playchuk, It powered from Remote with a cable. The motion sensor chip convert different motion to game control signal to GH8220(MCU), GH8220(MCU) receives game control signal from keys , motion sensor and analog stick , then it sends all of the game control signal to Remote by a cable. The Remote receives game control signal from motion sensor , keys, and signal of Playchuk to communicates with Wii™ console by wireless for a game play in the Wii™ console. In same time the Remote receives game signal from Wii™ console, such as game audio and LED indicator.