

Circuit Principle description:

This Remote and Playchuk Mini controller kit is used for WiiTM console. The Remote communicates with WiiTM 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 WiiTM 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 WiiTM console by wireless for a game play in the WiiTM console. In same time the Remote receives game signal from WiiTM console, such as game audio and LED indicator.