

Sakura CD Base Block Diagram Description:

The Power to Sakura CD Base is derived from the PS2 console. The 8V line from the PS2 console (at PS2 Connector), is regulated by VR201 voltage regulator and supplied to the Base circuit (VCCRF). The Digital Communication signals between PS2 console and Base is via 5 wire serial interface. The MCU, U201 receives the information from PS2 and is send to the RF IC, U301. This data is modulated on an RF carrier and will be radiated through the Antenna. The signals from the controller is received at the antenna and fed to U301 and demodulated Data is send to U201. U201 in-turn send this data to PS2 console via the Serial data communication link. SW201, Sync button is used to synchronize the Base and the Controller.

Sakura CD Controller Block diagram Description:

The Power to Sakura CD Controller unit is obtained from 3 x AA Nicad or Alkaline Battery. The Controller has the user interface. ie., Key pad and 2 Joysticks. The key presses and Joystick movement are detected by the MCU, U101. These signals are converted to appropriate data packets and is sent to RFIC, U1. U1 will modulate these data on an RF carrier and will radiate through the antenna. The receiving signals from the Base is sent to MCU, U101 after demodulated by U1. these signals are interpreted by U1 and appropriate action (such as turning on or off the motors) will be taken.