

Block diagram description

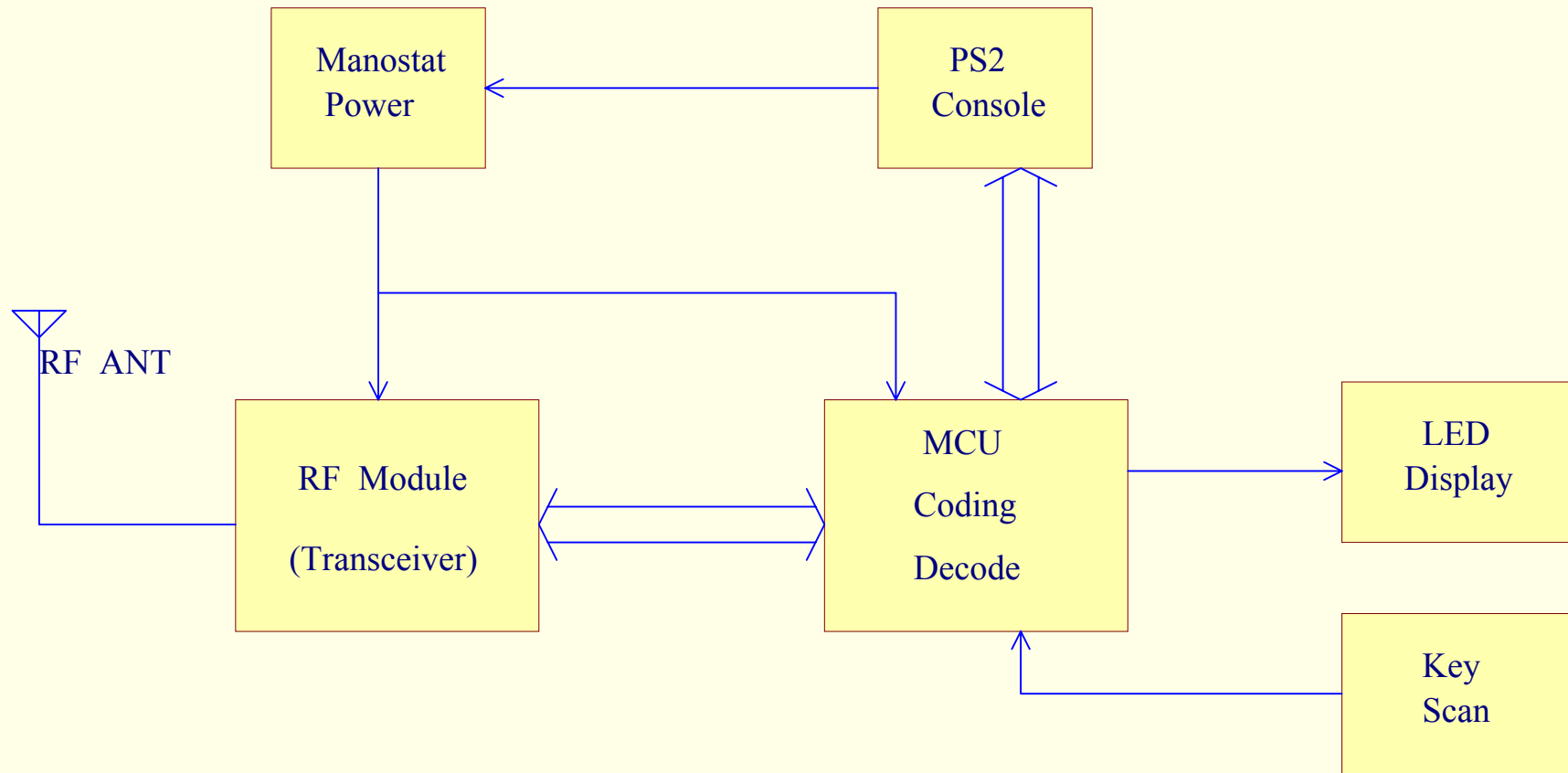
1. Transmitter block diagram

The part is controlled mainly by MCU. Key Scan is used to detect the Keys of Gamepad, LED Display is used to indicate the status of the Gamepad, MOTOR VIBRATION is used to report vibration messages which come from the host, RF MODULE is used to transmit and receive RF signals, POWER MANOSTAT is used to regulate the power which is supplied by the battery stably, and then output it to all circuit. The following is the principle: the MCU will encode KEY SCAN messages then transmit them to RF MODULE as soon as they are detected by MCU, and then transmit them to the receiver; then RF MODULE will receive vibration messages of the motor and transmit them to MCU, after having decoded them, MCU will enable MOTOR VIBRATION Circuit, at the same time, MCU will control the LED DISPLAY block to indicate the correspondent working status of the Gamepad.

2. Receiver block diagram

The part also is controlled mainly by MCU, LED Display is used to indicate RF connection, RF MODULE is used to transmit and receive RF signals, POWER MANOSTAT is used to regulate the power which is supplied by PS2 CONSOLE stably, and then output it to all circuit. Attention, the receiver doesn't include PS2 CONSOLE which is a necessary host for the receiver. The following is the principle: when RF MODULE has received the KEY SCAN message of Gamepad, it will transmit the message to MCU, MCU will decode the message, then the decoded message will be transmitted to PS2 CONSOLE. PS2 CONSOLE will transmit MOTOR VIBRATION messages to MCU, the MCU will encode the message, then the encoded message will be transmitted to RF MODULE which will transmit it out at once. KEY SCAN block may control the RF connection via MCU.

Receiver block diagram



Transmitter block diagram

