

Circuit Description

The [26MHZ](#) crystal oscillator drives the base of [U3\(ESP8266\)](#).
The modulation provided by [ESP8266](#).

Main function

1. via WiFi function to realize intelligent control power

Operation Descriptions

The transmitter is a [Wireless WIFI Smart switch & Plug](#) operating at [2412-2462MHz](#) band.
The transmitter is powered by AC [120V/60Hz](#) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the [2.4GHz](#) carrier frequency.

1. power part

The main power supply is AC 120V/60H,through [U1\(ABS8\)](#) to rectification, through [U2\(regulator IC\)](#) get DC 3.3V to supply [U3\(ESP8266\)](#)..

- 2.WiFi.

[U3\(ESP8266\)](#) is the WiFi RF IC, to connect to mobile device to control the AC power output.

Operation frequency: 2412 MHz to 2462 MHz

Channel Number: 11

WiFi support: 802.11b/g/n(HT20)

Modulation: CCK/QPSK/BPSK/OFDM

Antenna type: PCB antenna

Antenna gain: 0dBi

Power supply: AC 120V/60Hz.

H/W: DLX_S20_EU_V1.3

S/W: V1.0