

Circuit Description

This passage is mainly on how UTV324 wireless A/V receiver works and is divided into two parts:

The first part is 2.4GHz A/V receiving: 2.4GHz receiving module of UTV324 demodulate 2.4GHz signal into A/V signal and output them to SAA7113 and EMP202, which convert them into digital signals. These digital signals are transmitted to EM2860 and then converted into USB data which is transferred to PC; The digital signal will be displayed via TRV PLUS software.

The second part is 433MHz ASK signal transmitting: The remote signal from signal source is converted into digital signal via UTV324 remote receiver. After encoded by MCU EM78P447, the digital signal will be demodulated and emitted via 433MHz transmitting module.