

Main Spec:

DC: USB 5V

Speaker Impedance: 4Ohm

DS-1052D/HX-P230D Wireless Launch Principle

1、 Include the below main components :

IC2 (HX6001) 、 U3 (HT6809) 、 U2 (LM358) 、 U1(Bluetooth module)、
USB2(mini USB socket)、 JK1(headphone jack)、 K1(power switch) 、
S1(button)、 S2(button)、 S3(button)、 LED1(light diode)、 LED3(light diode),
BAT(lithium battery).

2、 Bluetooth audio circuit instruction:

First, receive and decode the U1 Bluetooth audio signal then by the C4, C6
input to U2. Second, Through the U2 amplifier and high-pass filter output to
U3, then the U3 power amplifier output to the speaker.

Through S1, S2 to control the U3 to increase or reduce the volume. S3 control
U1 to make music play/pause. LED3 is Bluetooth indicator.

3、 AUX audio circuit instruction:

JK1 for external AUX audio input port , audio through the C1 input to U2
high-pass filter, and then by U3 power amplifier output to the speaker.

4、 Charging circuit instruction:

Through the USB2 mini USB socket to input DC5V to power IC2 first constant current 310 MA, then to constant voltage of 4.2 V to lithium battery charging.

LED1 is charging indicator. USB port only has charger function.

BT Specification: Bluetooth[®] 2.0+EDR

Frequency Range: 2402-2480MHz.

Modulation Type: GFSK, $\pi/4$ -DQPSK, 8-DPSK

Channel numbers: 79

Antenna Gain: 2dBi