

一. The main parameter:

Adaptor : AC 100-240 V 50-60Hz DC 13V-2.76A

Speaker impedance: 8Ohm*2

output power : 10W*2

二. Circuit description

1, DS-1098 is a 2.0 IPOD bluetooth speaker .

2, play for AUX / IPOD and bluetooth music

2. 1, In the play of the AUX music, audio L, R signal through the JK4 (headphones socket) input to track choose IC CD4052BP (U8), signal from the channel selection IC output, into the op-amp IC 4558 (U3) sound processing, into power IC PA M8610 (U11) for power amplifier, voice from the left/right speaker output.

2.2 In the IPOD play ,when the signal into the op-amp IC 4558 (7) after processing, treated, signal input to track choose IC CD4052BP (U8), signal from the track choose IC output, into the op-amp IC 4558 (U3) sound processing, into power IC PA M8610 (U11) for power amplifier, voice from the left/right speaker output.

2. 3 In the bluetooth play when from bluetooth module BC05 (U10) output signal of the difference by op-amp IC LM358 processing, signal input to track choose IC CD4052BP (U8), signal from the track choose IC output, into the op-amp IC 4558 (U3) sound processing, into power IC PA M8610 (U11) for power amplifier, voice from the left/right speaker output.

2.4 2.4 MCU: F0308AD32 (U4) its crystal frequency for: 4 MHZ, the role of the MCU: (1) control IC volume and pa pa the mute (2) to track choose IC CD4052BP (U8) channel switch control (3) the pairing of bluetooth, pause/play, Top/bottom song control, (4) to the work of the indicator light control (5) to IPOD pause/broadcast on/next song, fast forward/back quickly to control (6) to the work of the mode control (7) video output control.