

DS-1060 Operational Description

Speaker Impedance: 4Ohm X2

DS-1060 includes the following main components : U9 (HT1628) , U4 (JRC4558) , U13 (BK1080) , U15 (CD4052) , U14 (BA20550) ,U5 (MC81F4316D SOP-28) , U1(bluetooth module), CON11(USB socket), JK3(headphone socket), JK2(power socket), SW1(button), SW5(button), SW7(button), SW8(button), SW9(button), SW10(button), SW11(button), SW12(button), SW13(button), SW14(button), SW15(button), LED1(light emitting diode), LED2(light emitting diode), LED3(light emitting diode), LED6(light emitting diode), power adaptor(input 100-240V AC output 5V 1.5A).

AUX audio circuit description :

JK3 for external audio input port AUX, audio through the C135, C154 input to the channel U15 transform circuit, and then by U14 power amplifier output to the speaker.

The radio audio circuit description :

U13 (BK1080) for radio IC circuit, radio audio through the C6, C19 input to the channel U15 transform circuit, and then by U14 power amplifier output to the speaker.

Bluetooth audio circuit description:

U1 for bluetooth module circuit, bluetooth common mode sound balance frequency through U4 (JRC4558) into not balanced audio, input to the channel U15 transform circuit, and then by U14 power amplifier output to the speaker.

Utilizing OSC:

U1 Bluetooth Module utilizes 16MHz OSC

U5 MC81F4316D utilizes 4MHz and 32.768kHz OSC

U13 BK1080 utilizes 32.768kHz OSC.