

SOUNDSTAGE WORKING PRINCIPLE

SOUNDSTAGE is a multi-media includes the main features Bluetooth / Aux in / RCA in/ Optical.

1. MCU Mc96f6332d is the main control for the unit and all operation commands are sent by it.
2. The Audio part used TPA5731M Class-D amplifier. Et2314 is using as an audio switch that is controlled by MCU Mc96f6332d can switch audio signal channel of which include Aux in, RCA in, Bluetooth, Optical in order to play different audio sources.
3. In Bluetooth mode (use GWB8P BT. module) , pair other Bluetooth devices with the Bluetooth of this unit can play the music in the devices through the unit. Via MCU can control playback for PREVIOUS TRACK /NEXT TRACK / PAUSE / STOP.

Remark:

Module Transmission Type: Bluetooth V4.2

The EUT continues to transmit while power on.

Modulation by IC, type is GFSK, $\pi/4$ -DQPSK, 8DPSK modulation.

The antenna type is onboard PCB meander line antenna, antenna gain is 2.12dBi.