

## Operation instruction

Gen3.1E (PU3612B) is a CD USB with Bluetooth car audio product and Gen3.1D (RU9461B) is USB with Bluetooth car audio product. The main feature (principle) can be divided into 5 parts: the Main control part, the audio part, Bezel included VFD and BT, CD mechanism and the power part.

The different Gen3.1E (PU3612B) and Gen3.1D (RU9461B) is just CD mechanism.

The Main control part takes charge in the control of unit which uses R5S726B /Renesas as its main control unit; included detect input signal, power management, audio source switch control, bus mastering (including I2C, SPI, UART) and produced USB audio etc.

The details refer separated Block diagram and Audio Signal Flow.

## BT HW Specifications

Operating Frequency:	2402 MHz to 2480 MHz
Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Antenna Type:	PCB Pattern Antenna
Power Supply:	DC 13.5V

Operation Temperature Range: - 40°C ~ 85°C