

### 3. OPERATIONAL DESCRIPTION

This product is comprised with TX unit and RX unit, which is the application used in the automobile environments by plug the unit into the cigarette lighter socket to supply the power to the TX, the main unit with microphone to pick up the audio signal usually from the mobile phone and the audio signal get boosted by the unit and voiced out from the speaker in the TX unit, this audio boost function is achieved by placement the earphone RX unit into the TX unit. In this mode, press the bottom on in the RX unit to charge the battery in the RX unit, which can be monitored with the yellow LED lit on the TX to show the status of charging. To tune the volume on the TX main to adjust the voice intensity that you prefer.

In the RF mode, just take the RX earphone unit away from the main unit and put the earphone into your ear, the audio voice could be heard through the RF effect, which is realized by the TX unit to modulate the voice signal with the carrier frequency of 49.86MHz, then transmit the modulated signal through antenna. At RX unit, the modulated signal is picked up by the RX antenna and demodulated to processing the signal into voice again, so that the earphone to play back the voice that the transmitter generated.