

#630211 Lulla Bear

Technical Description

The product consists of 2 parts, the transmitter unit and receiver unit. The transmitter unit is connected to the music player (“walkman” or “discman”) to accept audio music, and send the music to the receiver unit via the RF channel. The receiver unit demodulate the RF signal from the transmitter unit, and output to the speaker.

The transmitter unit is either operated with 1 x 9V battery cells or AC/DC adaptor. When the transmitter unit is powered on and connected to the music player (“walkman” or “discman”), The transmitter unit will modulate the audio music with the carrier signal. The carrier signal is selected by the channel selector (CH-A is 49.845MHz, CH-B is 49.865MHz), the mixed signal (carrier signal and audio music) is sent out via the antenna. The signal is emitted continuously while the transmitter unit is powered on.

The receiver unit is either operated with 4 x 1.5V AA battery cells. When the power switch is turned on, the unit is ready to receive the RF signal. If the transmitter unit is powered on and connected to the music player, there will be a RF signal output from the antenna of the transmitter unit. The receiver unit will receive the RF signal, and recover the original music by means of demodulation. At last the audio music is output to the speaker. There is a timer IC inside the receiver unit, which control the working period (one hour timer) of the receiver unit. The receiver unit will automatically go to working mode for 1 hour when the unit is powered on, after that, the unit will go to sleep mode. The receiver unit will resume to work when the re-trigger button is pressed.