

DIGITAL  
**OPERA**

**True Digital Wireless**  
**Compatible with iPod Products**  
**Interoperable with all Kleer enabled audio devices**

**Product Features**

- CD-quality Audio (16-bit, 44KHz)
- Low latency
- Point to multi point protocol
- Product interoperability
- Robust ISM band coexistence

**Others**

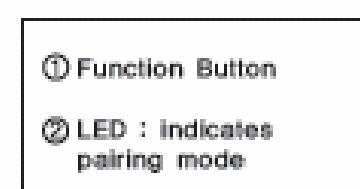
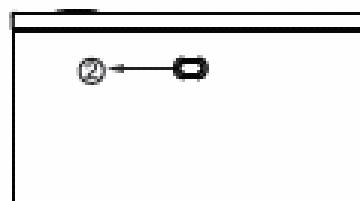
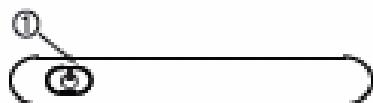
- 10m range
- Weight
  - 6g
- Dimension
  - 43(W) x 19.5(D) x 6.5 (H)mm

Thank you for purchasing this product.

This product has been designed and developed using Kleer wireless audio technology which streams uncompressed, lossless, CD-quality digital stereo audio in the 2.4Ghz ISM band.

This product is to utilize iPod related product more comfortable  
Please read this user's Guide thoroughly

**Features**



**Accessories**



▲ User's manual

## Product Functions

1. The power automatically turns on connecting to iPod.
2. The power is always on, if the paired transmission dongle is on automatically receive the audio signal
3. LED turns on when Transmitter dongle is on. (If the Receiver dongle is not connected with Transmitter dongle LED is off)

## How to Associate

1. Turn off iPod accessory turn off the RX dongle disconnecting from accessory (Turn off the TX dongle)
2. Connect the RX dongle to iPod accessory and press and hold pairing button for 7 seconds At the same time TX dongle also have to be pairing mode.



3. After 7 seconds LED starts blinking rapidly.
4. Release the button, then the unit will associate when during the time that both transmitter and receiver dongle flashing rapidly.
5. Both LEDs should start to blink slowly, which indicates that the transmitter dongle and receiver dongle are pairing.
6. Blinking of LEDs will continue for 15 seconds to complete pairing settings.
7. Once pairing is completed, the transmitter dongle and receiver dongle blink simultaneously in 3~4 second intervals indicating they are successfully paired.
8. Pairing is needed only the first time, After pairing one time it automatically paired every time it is turned on

# Frequently Asked Questions

**A. Why does the audio reception fail suddenly?**

- 1)The 2.4GHz frequency cannot pass through your body, so please try as best as possible to keep the transmitter dongle and receiver dongle within sight of each other.

**B. What is pairing?**

- 1)Pairing is a synchronization process that ensures the dongle transmits audio to the specified wireless receiver dongle.

**C. Why is there no audio?**

- 1)Please check the pairing between receiver dongle and transmitter dongle. Both should be blinking simultaneously indicating they are properly paired. If not, please follow steps on page 2.

**D. Is this product waterproof?**

- 1)No, this product is not waterproof, so please avoid using in high humid area such as a sauna, bathtub, or swimming pool.

**E. Why is there no power?**

- 1)Please check iPod docking and transmitter dongle are turned on.
- 2)Verify that the receiver dongle is properly attached to your iPod docking.

# Hardware Specification

## ► General characteristics

1. Range	About 10m indoor
2. Operation current	5V21mA
3. Standby current	Less than 10uA
4. Weight	6g
5. Antenna	dual diversity antenna
6. Temperature	-10°C ~ 60°C

## ► Audio characteristics

1. Audio frequency response	20Hz ~ 20KHz
2. Distortion	<0.1% (20Hz ~ 20KHz)
3. Singal to Noise Ratio	Typical 86 dB
4. Sampling frequency	Max 44.1KHz

## ► Radio characteristics

1. Frequency range	2,403 ~ 2,478 MHz
2. Channel space	16Channels
3. Sensitivity	Typical -87dBm (@ 18% per)
4. Transmission power	Less than 5mW
5. Data rate	2.37Mbps
6. Adjacent channel rejection	20dB
7. Alternate channel rejection	40dB
8. Regulatory compliance	
9. TX Modulation	MSK

### **FCC Information**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

### **WARNING**

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.