Cyfi iPod Transmitter Operational Description

General Description :

Cyfi iPod transmitter for iPod is using the KLEER-KLR3012 radio operates in the globally unlicensed 2.4GHz ISM band from approximately 2.4GHz to 2.48GHz.It divides the spectrum into 16 channels spaced at 5MHz.Cyfi Speaker can operate on any of these channels and will automatically switch to another channel when the current channel is experiencing poor performance due to interference or fading.

The radio operates using time domain duplex communications,such that communications from Cyfi iPod Transmitter to Cyfi Speaker are on the same channel as communications from Cyfi Speaker to Cyfi iPod Transmitter.

All information is packetized and transmitted at the peak bit rate of the radio. Since the average data throughput is considerably less that the peak rate of the radio, the radio is idle much of the time and this is used to reduce power consumption.

Features :

◆ Point to point –Cyfi iPod Transmitter r is the most basic configuration in which there is a single Cyfi iPod Transmitter and a single Cyfi Speaker.
◆ Point to multipoint –Cyfi iPod Transmitter r is currently limited to a maximum of 4 Cyfi speaker.
◆ Remote iPod – Play/Pause, Next/Fast-forward, Previous/Rewind,Turn off.
◆ Indoor listen loud misic.
◆ Outdoor listen loud misic(by bicycle).

Specifications :

Chipset	KLEER KLR3012
Database	Stereo iPod Transmitter(SOURCE)
RF Output Frequency Range	2400 MHz ~ 2480 MHz
RF Channels	16 channels
RF Channel Spacing	5MHz
20dB bandwidth for	3MHz

modulated carrier	
Digital Audio Interface	16-bit,44.1Ks/sec stereo audio
Maximum Data Rate	2.37Mb/s
Sensitivity (18% packet error rate)	–87 dBm
Transmitter Power	+1.5dBm
Button Function	Associate/Single user/Multi user Button
Led Function	Blue Led
Operating Voltage	DC +3.3V
Operating Time	Over 5 Hours
Transmission Range	Over 10 Meters
Operating Temperature	-10°C to +50°C
Storage Temperature	-20°C to +60°C
Dimension	39.3(L) x 30.1(W) x 8.5(H)mm
Weight	9 g

(Specifications are subject to change without notice.)