

KHM-210R Specification

1. General

This spec sheet define specification for The KJTS Bluetooth® Mono Headset. (KHM-210R)

2. Product Features

2.1 MMI (Man Machine Interface)

- Buttons : 3 pcs [Pwr/ End, Volume Up, Volume Down]
- Receiver : 1 pcs
- Microphone : 1pcs
- Charging Jack : 1 pcs

2.2 Features

- Bluetooth V2.0 Specification Compliant
- Class 2 support
- Supports hands free & headset profile
- Last number redial
- Voice dial / Call Reject / Cancel / Waiting
- Low power consumption Excellent voice quality
- Internal rechargeable Li-Ion Polymer Battery

3. Specification

3.1 General Specification

Item	Description
Bluetooth Specification	V2.0
Supported Profile	Handsfree / Headset profile
RX Sensitivity	Typ -70dBm
Battery	3.7V, 70mAh Li-Ion Polymer
Low Power Current (Sniff Mode)	≤ 1 mA (Avg)
Standby Time (Sniff Mode)	Up to 120 Hr
Talking Time	Up to 5 Hr
Full Charging Time	≤ 3 Hr
Operating Humidity	5% ~ 85% RH
Operating Temperature	-10 ~ 50 °C
Storage Humidity	85% RH
Storage Temperature	-20 °C ~ 80 °C
FCC Classification	FHSS Sequence Spread Spectrum (FHSS)
Operating frequency range	2402 – 2480 MHz
Bands of operation	2.400 – 2.4835 GHz
Number of Channels	79
Channel Separation	1MHz
Type of Antenna	Chip Antenna

3.2 RF Specification

Transmitter Characteristic		
Item	Specification	Unit
Maximum RF transmit power	-6 to +4	dBm
RF power control range	≥ 16	dB
20dB bandwidth for modulated carrier	≤ 1000	KHz
Adjacent channel transmit power F=F0±2MHz	≤ -20	dBm
Adjacent channel transmit power F=F0±3MHz	≤ -40	dBm
Adjacent channel transmit power F=F0>±2MHz	≤ -40	dBm
Δf1avg "Maximum Modulation"	140<f1avg<175	KHz
Δf1max "Maximum Modulation"	115	KHz
Δf1avg/Δf1avg	≥ 0.80	-
Initial Carrier Frequency Tolerance	±75	KHz
Drift rate	≤20	KHz/50uS
Drift (single slot packet)	≤25	KHz

3.3 Receiver Characteristic

Receiver Characteristic		
Item	Specification	Unit
Sensitivity at 0.1% BER for all packet types	2.402 GHz	dBm
	2.441 GHz	
	2.480 GHz	
Maximum received signal at 0.1% BER	≥ -20	dBm

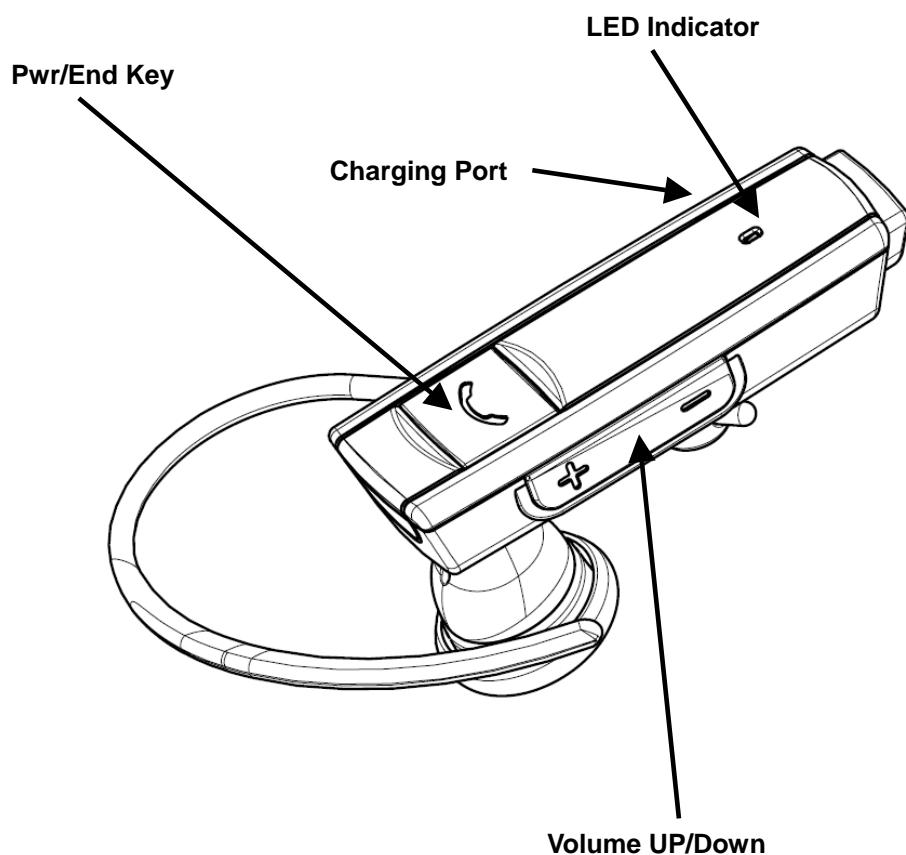
3.4 Electrical(Consumption current) Specification

Status	Specification	Comment
Leakage Current	< 25 uA (Avg.)	3.7V (Battery Voltage)
Low Power Mode(Sniff Mode) Current	< 0.75mA (Avg.)	CONNECTED
Pairing Mode Current	< 8mA (Avg.)	
Normal Operating Current(통화)	< 20 mA (Avg.)	
Charging Current	70 ± 10mA	≤ 3 Hr
DC Power Voltage for charging	5.0V/0.5A	TC

3.5 Charging/Recharging Status

Battery Status	Voltage Level (V)
Battery Full Voltage	4.18±0.03 V
Battery Full LED State	Off
Charging LED State	On
Low Battery Warning	3.4V
Cut-Off Voltage	3.2V

3.6 KEY Display



3.7 Mechanical Specification

Item		Specification
Size	Length	50±0.15 mm
	Width	17.1±0.15 mm
	Height	9.6±0.15 mm
Weight		9.3g