

# MP3Ultra

## 2.4 GHz Wireless Digital Audio Sender

8CH Selectable, Auto-Scan



### Introduction

Internet Radio, on-line MP3 concert and internet audio program are popular these days. In order to enjoy this kind of entertainment or program, user need to hook their computer to internet and listen the audio from multimedia speaker! If you want to listen to this kind of audio everywhere you need to take you notebook or PC to the place you want to go!

MP3Ultra can provide you a different experience of listening. With state of art RF and digital processing technology, and with 8 CH selectable bands, it can provide crystal clear audio to your audio amplifier.

#### Feature

- 2.4GHz
- 8 CH selectable channels
- Auto Scan channel ---Receiver
- 1 to 1 or 1 to many
- FEC coding
- last channel recall

### Package of content

Before your installation, please check the content of package

- MP3Ultra Tx X1
- MP3Ultra Rx X1
- AC DC Adaptor X2
- 3.5 mm to 3.5 mm stereo audio cable X1
- 3.5 mm to RCA R L audio cable X2



Transmitter



Receiver



Audio cable



Audio cable



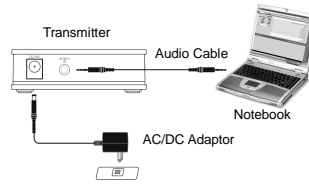
Adaptor

## Installation Illustration

### TX

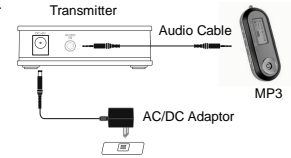
#### ● Listen to the internet radio

Connect 3.5mm to 3.5 mm cable one end to the speaker out of your computer, the other end to the audio input on the back panel of MP3Ultra Tx



#### ● Listen to the MP3 player or another audio device

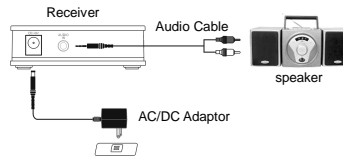
Connect 3.5mm to 3.5 mm cable one end to the headphone jacket of your MP3 player or another devices, the other end to the audio input on the back panel of MP3Ultra Tx



Connect the barrel end of AC/DC adaptor to the DC input of the back panel of MP3Ultra, AC end to your AC outlet

### RX

Connect 3.5mm to RCA RL audio cable , 3.5mm end to the audio output on the back panel of MP3Ultra Rx, RCA RL to the audio input of your audio amplifier. Connect the barrel end of AC/DC adaptor to the DC input of the back panel of MP3Ultra, AC end to your AC outlet



## Operation

**Step 1.** Please check the power is ok in either Tx or Rx

**Step 2.** Push the button on the Tx to select desired channel (the Receiver can auto scan the channel that Tx has)

**Step 3.** Turn on the audio amplifier at the Rx site to check the audio quality, if there is some interference occurred, the sound will have some zigzag and buzz. At this time, you need to choose another channel as Step 2 to make sure that the audio quality is crystal clear.

**Step 4:** open your mind to enjoy.

Indoor use only

Clean with dry and soft cloth

No serviceable part for customer

## Digital Audio Sender Specifications

Model NO.	Transmitter (R/L)	RECEIVER
<b>Description</b>	Transmitter	Receiver
<b>Supply voltage</b>	3.6 ~ 5VDC	3.9 ~ 5VDC
<b>Current consumption</b>	100 mA (Typical)	130 mA (Typical)
<b>Operating temperature</b>	-10 ~ +60 (degrees Celsius)	-10 ~ +60 (degrees Celsius)
<b>Frequency range</b>	2400 ~ 2483.5 MHz	2400 ~ 2483.5 MHz
<b>Modulation</b>	FSK (Modulation Index 0.5)	
<b>Channel number</b>	8	8
<b>Channel spacing</b>	9 MHz	9 MHz
<b>Channel frequency</b>	2410, 2419 ~ 2473 MHz	2410, 2419~ 2473 MHz
<b>Frequency stability</b>	±100 KHz	±100 KHz
<b>TX Power</b>	+10 dBm for CE (Typical), 10 dBm for FCC (Typical)	
<b>Input impedance</b>	>10K Ohm	
<b>Input level</b>	4Vp-p (Max)	
<b>RX Sensitivity</b>		-85 dBm (Min.)
<b>Adjacent channel rejection</b>		>45dB @ +/-5MHz offset the central frequency
<b>Image rejection</b>		>25dB @ the image frequency
<b>Output impedance</b>		< 1KOhm
<b>Output level</b>		3.4Vp-p (Max)
<b>Response</b>	20 ~ 20 KHz, -1dB	
<b>Dynamic range</b>	92dB (Typical)	
<b>Separation</b>	80dB (Typical)	
<b>SN ratio</b>	87dB (Typical)	
<b>THD</b>	0.1% (Typical)	

NOTE: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating to conjunction with any other antenna or transmitter.