

# MP3 Airlink

Wireless MP3 Audio Transmitter and Receiver

MP3AUDIOEXT

Instruction Manual



Actual product may vary from photo

**StarTech.com**

The Professionals' Source for Hard-to-Find Computer Parts

## **FCC Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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 to correct the interference by one or more of the following measures:

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

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## **Introduction**

Thank you for purchasing a StarTech.com Wireless MP3 Audio Transmitter and Receiver. If you want to use your computer, iPod, or MP3 player with your home stereo or speaker system, the MP3AUDIOEXT is the perfect way to do it without worrying about wiring. Using a simple wireless Transmitter and Receiver, you can connect your speakers, portable stereo, receiver, or amplifier to any audio source that uses a standard 3.5mm audio headphone jack. With a small footprint and no software to configure, this product is easy to setup and won't intrude on your workspace.

## **Features**

- Connects an audio source to one or more receivers wirelessly
- 8 selectable wireless channels for excellent clarity
- Easy setup: no software to install or configure
- Small footprint uses a minimal amount of space

## **Before You Begin**

### **System Requirements**

- A MP3 player, iPod, computer, or other audio source with a 3.5mm headphone "audio out" jack
- Speakers, amplifier, receiver, stereo or other audio device

### **Contents**

This package should contain:

- 1 x Transmitter
- 1 x Receiver
- 2 x Power supplies
- 1 x 3.5mm to 3.5mm audio cable
- 1 x 3.5mm to RCA audio cable

## Installation

1. Connect one end of the 3.5mm to 3.5mm audio cable to the speaker output of your MP3 player, iPod, computer, or other audio source. Connect the other end of the cable to the "AUDIO IN" jack on the Transmitter.
2. Connect one of the power supplies to the Transmitter and plug it into an electrical outlet or other suitable power source.
3. Connect the two RCA ends of the 3.5mm to RCA audio cable to an unused pair of inputs on your stereo amplifier, speakers, receiver, portable stereo, or other audio output device. Connect the other end of the cable to the "AUDIO OUT" jack on the Receiver.
4. Connect one of the power supplies to the Receiver and plug it into an electrical outlet or other suitable power source.
5. Adjust the output volume of your audio device to about 50%. Start playback of the song(s) you want to hear.
6. Set your audio output device to the audio input you connected the Receiver to. You should hear the music being played from your computer.
7. If needed, press the button on the top of the Transmitter to change broadcast channels for better sound quality. There are 8 channels.

**Note:** This device operates at a frequency of 2400 ~ 2483.5 MHz, which may conflict with nearby cordless phones or wireless routers running at similar frequencies. To avoid signal interference between the two devices, change broadcast signals on the MP3Airlink accordingly. Failing this, please refer to the documentation included with your cordless phone or wireless router for information on how to change the channel frequency on your wireless router or cordless phone.

## Specifications

| Feature                    | Transmitter                                                             | Receiver                                          |
|----------------------------|-------------------------------------------------------------------------|---------------------------------------------------|
| Supply voltage             | 3.6 ~ 5 V DC                                                            | 3.6 ~ 5 V DC                                      |
| Current consumption        | 100 mA (typical)                                                        | 130 mA (typical)                                  |
| Operating temperature      | 14 ~ 140 deg. F. (-10 ~ 60 deg. C.)                                     | 14 ~ 140 deg. F. (-10 ~ 60 deg. C.)               |
| Frequency range            | 2400 ~ 2483.5 MHz                                                       | 2400 ~ 2483.5 MHz                                 |
| Modulation                 | FSK (Modulation index 0.5)                                              |                                                   |
| Number of channels         | 8                                                                       | 8                                                 |
| Channel spacing            | 9 MHz                                                                   | 9 MHz                                             |
| Channel frequency          | 2410, 2419 ~ 2473 MHz                                                   | 2410, 2419 ~ 2473 MHz                             |
| Frequency stability        | +/- 100 KHz                                                             | +/- 100 KHz                                       |
| Transmit power             | +10 dBm for CE (typical)<br>0 dBm for FCC (typical)                     |                                                   |
| Input impedance            | >10K Ohm                                                                |                                                   |
| Input level                | 4Vp-p (max)                                                             |                                                   |
| Receive sensitivity        |                                                                         | -85 dBm (min.)                                    |
| Adjacent channel rejection |                                                                         | >45dB @ +/- 5 MHz offset<br>the channel frequency |
| Image rejection            |                                                                         | >25dB @ the image frequency                       |
| Output impedance           |                                                                         | < 1 KOhm                                          |
| Output level               |                                                                         | 3.4Vp-p (max)                                     |
| Response                   | 20 ~ 20 KHz, -1dB                                                       |                                                   |
| Dynamic range              | 92db (typical)                                                          |                                                   |
| Separation                 | 80dB (typical)                                                          |                                                   |
| S/N ratio                  | 87dB (typical)                                                          |                                                   |
| THD                        | 0.1% (typical)                                                          |                                                   |
| Power supply               | Input: AC 120V @ 60HZ<br>Output: DC 9V, 200 mA (tip is center positive) |                                                   |

## **Technical Support**

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## **Warranty Information**

This product is backed by a one-year warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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