

## USB FM TRANSMITTER

### USA

This device complies with Part 15 of the FCC rules. Operation of this device 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.

### WARNING

This device operates on the commercial FM band and signals transmitted can be received on any standard FM receiver. Users should take great care when operating this device in order to not cause any interference with reception of any commercial transmission.

In the USA, the use of this device is governed by Part 15 of the FCC rules.

Details on these regulations and standards can be found on the internet at:

<http://www.fcc.gov>

Any modification of this device will void the user's authority to operate this device under these regulations and standards. UniKit Electronics Corporation, its shareholders, directors, employees, parent companies, distributors or resellers are not responsible for any financial loss or violation of local laws by the user when operating this device. Users are urged to check their local communication and broadcasting laws.

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## INTRODUCTION

The UX300 FM Transmitter is a USB device intended to transmit audio from your desktop computer or notebook to nearby FM radios all over your home or office without cables or wires. The Ux300 is a truly plug-and-play device and is simply connected to your computer via the supplied USB cable. No drivers are needed for supported operating systems and the device installs itself within seconds as soon as you plug it into your computer.

The UX300 appears as a sound card to your computer and any audio produced by the computer will be transmitted over the USB connection to the transmitter for reception on any standard FM radio. Power for the UX300 is provided through the USB port and therefore there are no batteries required.

The UX300 offers a choice of 7 frequencies selectable though an easy to change DIP switch. The frequency is PLL (Phase-Locked-Loop) synthesized for high-quality stereo reception. It also offers a stereo audio output jack so that you continue to listen to the audio on your existing speakers at the same time as the transmitter is connected to the computer.

## APPLICATIONS

**MP3 Music Jukebox:** Transmit your MP3 music files or any other audio from your computer to your home stereo system or FM radios around the house or office.

**Internet Radios:** Transmit internet radio stations from your computer to standard FM radios around the house or office.

**Car MP3 Player:** Transmit audio from your portable computer to your car stereo system without complicated wiring

And many more ...

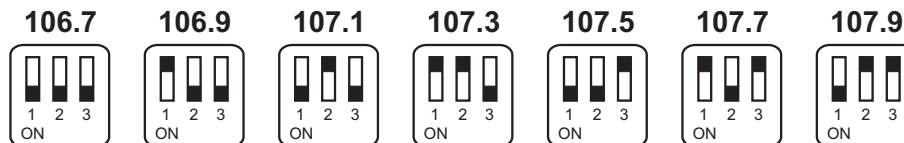
## INSTALLATION

1. Make sure your computer is turned on and has finished starting the operating system. Then connect one end of the USB cable to a free USB port on your computer and the other end to the USB port on the transmitter. Make sure of the correct orientation of the cable.
2. After a few seconds your computer should recognize the transmitter as a USB audio device and should automatically configure a standard driver for it.



3. Once the transmitter has been fully recognized by the operating system the "On Air" LED on the transmitter will light up indicating the transmitter has been successfully detected and is now operational.
4. You can now set the transmitting frequency by setting the "FREQ" DIP switch on the transmitter according to the following diagram. You should choose a frequency on which no other commercial station is broadcasting.
5. Open your favorite music playback application and play something in order to test the transmitter. Make sure the volume level on your computer is set to around medium.
6. Extend the UX300 antenna fully and put it in the upright position. Now tune any nearby FM radio to the frequency selected and listen to the audio. You should adjust the volume level on the computer so that you have a distortion free reception. Setting the computer volume too high may distort the transmitted signal.

Note that when the UX300 is connected to your computer it will become your primary sound card and all audio played back will go to the UX300. The UX300 incorporates an audio output jack which can be connected to your existing computer speakers if you would like to listen to the audio on the computer speakers at the same time.



## TROUBLESHOOTING

**Problem:**

UX300 is connected to the computer, but the "On Air" LED does not light up.

**Solution:**

Check to make sure the USB cable is properly connected between the UX300 and the computer.

Disconnect the USB cable from the computer, wait a few seconds and reconnect to the computer making sure the USB plug is completely inserted into the computer USB port with the correct orientation.

Try a different USB port if available.

If problem persists, restart the computer and try again.

**Problem:**

UX300 is connected to the computer and the "On Air" LED lights up, but there is no sound coming from the radio.

**Solution:**

Check to make sure there is something playing on the computer and both the volume level on the audio player application as well as the master computer volume are set to medium.

Check to make sure the mute function of the audio player application has not been accidentally enabled.

Check to make sure the frequency selection on the UX300 is the same as the frequency tuned on the radio.

Restart the audio player application.

If problem persists, restart the computer and try again.

**Problem:**

Distorted audio heard on the radio.

**Solution:**

Adjust the volume level on the audio player application and/or master computer volume.

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