

# User's Guide



## Introduction

This user's guide explains how to use PodFreq, the premium FM transmitter for your iPod. PodFreq broadcasts to any analog or digital FM tuner, and enables you to transmit your iPod's music on any frequency from 88.3 to 107.7 MHz to a FM radio or tuner tuned to the same frequency. PodFreq incorporates mini-USB 2.0 and standard 6-Pin FireWire® ports in its design so that you may plug in a cable (sold separately) to transfer files between your computer and iPod, sync your files with iTunes®, and even charge your iPod without removing it from PodFreq.

## Requirements

PodFreq's requirements are simple:

- Any compatible iPod w/dock connector (excluding iPod mini and iPod nano)
- FM tuner (analog or digital, connected to an antenna)

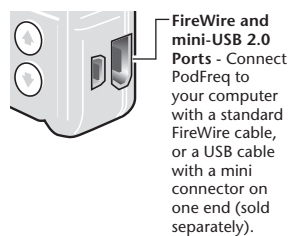
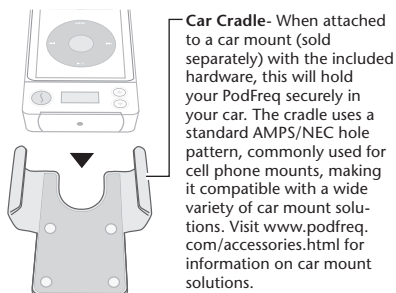
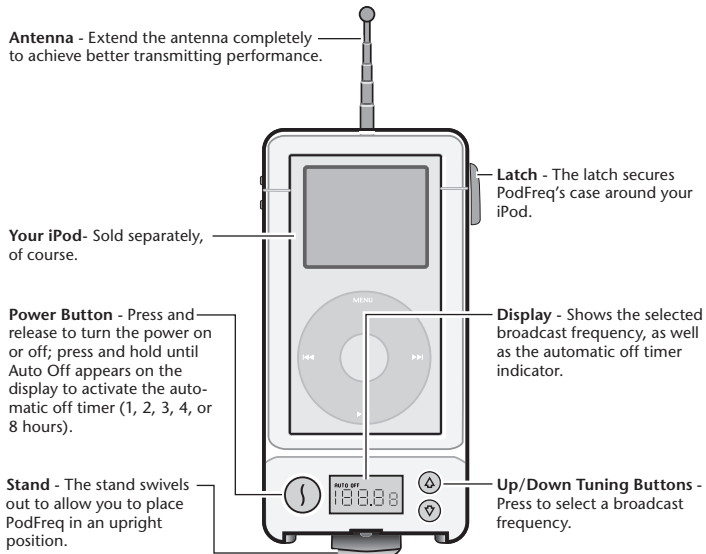
## Technical Specifications

Antenna	Telescoping, 8.6" (21.8 cm) when fully extended
Power Requirement	No batteries or power cables; powered by the iPod
Frequency Modulation	88.3 to 107.7 MHz
Tuning Type	Digital tuning, tunes in 0.1 MHz steps, last station recall
Stereo Separation	Greater than 40dB
Auto Level Control	Built-in to prevent sound distortion
Signal-to-Noise Ratio	Greater than 45dB (Stereo) 15 kHz LPF
Modulation Distortion	Less than 0.5%
Transmitter Range	10-35 feet (3-10.7 m), depending on FM receiver/antenna
Frequency Response	50 Hz to 15 kHz
Ports	Mini-USB 2.0 and 6-Pin FireWire
Dimensions (WxHxD)	2.87" x 5.46" x 1.35" (7.3 x 13.9 x 3.4 cm)

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## Getting Started

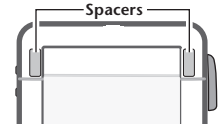
This section describes the physical aspects of PodFreq.



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## A—Insert Your iPod into PodFreq

1. Pull the bottom of the latch away from PodFreq.
2. Lift the latch up and away from PodFreq.
3. If you are using a 20 or 40GB 4G iPod (grayscale display, with click wheel), or a 30 or 60GB iPod (video) model, attach the included adhesive spacers (see table next to step 4 for specific information). If you are using any other iPod, go to the next step.



4. Open PodFreq's top. If you are using a 30 or 40GB 3G iPod (with 4 buttons) or a 40 or 60GB iPod with color display, skip to step 5. Otherwise, slide the required spacer pad or pads (see table at right) inside PodFreq behind the dock connector.

iPod Model	Pad	Spacers
10, 15, or 20GB 3G (4 button)	Thick	—
30 or 40GB 3G (4 button)	—	—
20GB 4G (Click Wheel)	Thick	Thin
40GB (Click Wheel)	—	Thin
20 or 30GB iPod w/color disp.	Thick	—
40 or 60GB iPod w/color disp.	—	—
30GB iPod (video)	Both	Thick
60GB iPod (video)	Thin	Thick

5. Gently slide your iPod into PodFreq, making sure that it connects completely with the dock connector. *Please note, you may have to press on your iPod to make it mate properly with the dock connector; the dock connector will learn the new position.* If your iPod is turned off when you connect it to PodFreq, the iPod makes a noise; this is normal operation. Close PodFreq's top.

6. Hook the PodFreq's latch.



7. Snap the latch closed on PodFreq.



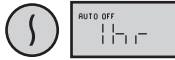
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## B—Find an “Empty” Station on the FM Band

Find a FM frequency between 88.3 and 107.7 on your radio’s or tuner’s FM band that has no radio station broadcasting on it, or when that’s not possible, find the one with the weakest radio station broadcast.

## C—Set Up PodFreq to Broadcast

1. Pull up the antenna on the back of PodFreq until it is fully extended.
2. Turn on PodFreq; there are two ways to do this:
  - *Press and release the Power button*; the button will light up for approximately 10 seconds, and then turn off. Please note, PodFreq operates independently of your iPod; when you turn on PodFreq using this method, it will not turn off until you press the Power button again.
  - *Press and hold the Power button* until “Auto Off” appears on the display, followed by “1hr”, “2hr”, “3hr”, “4hr”, or “8hr”; release the button when you choose the number of hours you want PodFreq to remain on. *The Power button light will turn off approximately 10 seconds after you first press it.*
3. Using the Up and Down tuning buttons, tune PodFreq to the same frequency you chose on your radio. If the radio you are using has digital tuning, be sure to select the exact same number. Otherwise, the sound quality will be affected. For instance, the sound quality may be poor if you select 93.2 on PodFreq when your radio is tuned to 93.3.



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## D—Play Your Music

Select your music as you would when you listen to your iPod through headphones, and press play; you should hear the music through the radio. Because PodFreq uses the line level output signal from the iPod, its volume control will have no effect; adjust the volume on the radio.



**Support Note:** Unlike many other products, the iPod’s line level output signal is affected by its EQ settings. You may want to experiment with various EQ settings to achieve the best sound quality, as some settings which increase bass may introduce distortion; Sonnet recommends that the iPod’s EQ be set to Off.

## E—Turn Off PodFreq

When you turn on PodFreq using the Auto Off timer, it shuts itself off automatically. However, **when you turn on PodFreq simply by pressing the Power button, you must turn it off manually.** Press the Power button to turn off PodFreq manually.

## F—Connect PodFreq to Your Computer

When you connect a mini-USB cable or standard FireWire cable between your computer and iPod, PodFreq becomes a dock. You can sync your iPod with iTunes, transfer files between your computer and iPod—you can even operate your iPod when PodFreq is connected to your computer.

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## Troubleshooting

Problem	What to Check
Power button’s light is not lit	To save power, the Power button’s light shuts off after you release it; this is normal operation.
Weak reception	<ul style="list-style-type: none"><li>• <i>Antennas</i> - Verify PodFreq’s antenna is fully extended, and if you’re using a portable radio, make sure its antenna is also fully extended.</li><li>• <i>Distance</i> - Try moving PodFreq closer to the radio. The effective transmitting range will decrease with distance; objects and walls between PodFreq and the FM tuner or radio’s antenna will also affect reception.</li><li>• <i>Radio station on the same frequency</i> - If there is a radio station broadcasting on the frequency you chose, reception will be affected; this is especially important to remember when you use PodFreq in a moving vehicle.</li><li>• <i>Strong adjacent radio station(s)</i> - The presence of a strong radio station on a frequency near the one you’ve chosen may cause interference; try selecting another frequency.</li></ul>
Distorted sound	<ul style="list-style-type: none"><li>• <i>Different tuning frequencies</i> - Verify that PodFreq’s broadcast frequency is the same as the one you chose on the FM tuner. If you are using an analog tuner, try fine-tuning the dial to hear clearer sound.</li><li>• <i>iPod EQ is on</i> - When any EQ setting other than Off is selected on the iPod, especially any that increase the bass, the sound from the iPod may be distorted. Unfortunately, this is normal, as the distortion may also be heard through the headphones; <i>this is an iPod issue.</i> Choose the EQ Off setting for the best sound quality.</li></ul>

## FCC Compliance

PodFreq complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: This device may not cause harmful interference, AND this device must accept any interference received, including interference that may cause undesired operation. Notice: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

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## Limited Warranty

Sonnet Technologies, Inc. warrants that this product shall be free from defects in materials and workmanship for a period of one year following the date of original purchase. For complete warranty information, go to [www.podfreq.com](http://www.podfreq.com).

## Contacting Customer Service

The Sonnet web site located at [www.sonnettech.com](http://www.sonnettech.com) has the most current support information and technical updates.

Before you call Sonnet Customer Service, please check our web site for the latest updates and online support files, and check this user’s guide for helpful information. When you call Sonnet Customer Service, have the following information available so our customer service staff can better assist you:

- Product name
- Date and place of purchase
- iPod model

If further assistance is needed, please contact us at:

### Sonnet Customer Service:

Tel: 1-949-472-2772

(Monday–Friday, 7 a.m.–5 p.m. Pacific Time)

Fax: 1-949-457-6350

E-mail: [support@sonnettech.com](mailto:support@sonnettech.com)

Online Service Form: <http://serviceform.sonnettech.com>

## Visit Our Web Site

For the most current product information and online support files, visit the Sonnet web site at [www.sonnettech.com](http://www.sonnettech.com). Remember to register your product online at <http://registration.sonnettech.com> to be informed of future upgrades and product releases.

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