

## Using the External Antenna

The External Antenna is used to enhance reception in areas where the audio signal is weak. It can be easily repositioned as needed if audio signal strength changes during travel.

Plug the Antenna's barrel connector into the External Antenna Port on the Dock and screw either the suction cup or clip into the wing antenna end. Attach the wing antenna end:

- to the lower passenger side front window (or other flat surface location near the vehicle antenna) using the supplied suction cup, or
- to the sun visor, dashboard, air vents, etc. using the supplied clip.

### CAUTIONS

**Position the External Antenna so that it will not become tangled, crimped or damaged; and make sure it does not impede the driver's access to vehicle controls (turn signals, etc.) or visibility.**

**NEVER** position the External Antenna in front of an air bag.

## SPECIFICATIONS

Power supply:	12 volts DC
Consumption Electric Current:	100 mA
Range of the frequency:	From 88.1 to 107.9 MHz
Operating Distance:	7 meters (max.)



# FM Audio Transmitter Charging Dock for iPod®



## USER'S MANUAL & WARRANTY INFORMATION

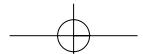
### IMPORTANT SAFETY INFORMATION, SAVE THESE INSTRUCTIONS

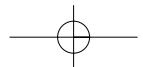
TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND THIS INSTRUCTIONAL MANUAL. THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING THE OPERATION AND WARRANTY OF THIS PRODUCT. PLEASE RETAIN FOR FUTURE REFERENCE.

4140 S.W. 30th Ave., Ft. Lauderdale, FL 33312  
Toll Free: (866) 584-5504

[www.vectormfg.com](http://www.vectormfg.com)

iPod is a registered trademark of Apple Computer, Inc. Vector Manufacturing is not associated with or otherwise affiliated with Apple Computer, Inc.





#### **ONE YEAR LIMITED WARRANTY PROGRAM**

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Manufacturing, regarding this product. There is no other warranty, other than those described herein.

This Vector Manufacturing product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for one year from the date of purchase, without additional charge. The warranty does not extend to subsequent purchasers or users. Manufacturer will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to accessories or damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.

**RETURN/REPAIR POLICY:** Defective products, other than accessories, may be returned to manufacturer. Any defective product, other than accessories, that is returned to manufacturer within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than one year from the purchase date, manufacturer will repair the unit or, at its option, replace it free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at manufacturer's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items after 30 days. During the warranty period, manufacturer will be responsible for the return shipping charges.

**LIMITATIONS:** This warranty does not cover accessories, bulbs, fuses and batteries, defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department at (954) 584-4446 or toll free at (866) 584-5504 for general repair information and charges if applicable. You may also contact us through our website at [www.vectormf.com](http://www.vectormf.com).

**STATE LAW RIGHTS:** This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

**TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT:** Contact Technical Support by telephone, fax or mail (see below). We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

**WARRANTY ACTIVATION:** Please complete Warranty Activation Card and mail to Vector Manufacturing. Enter "VEC431" as Model and "FM Transmitter Charging Dock for iPod®" as Product Type. All Vector products must be registered within 30 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt to:

ATTN.: CUSTOMER SERVICE  
4140 SW 30th Ave., Ft. Lauderdale, FL 33312  
• TOLL FREE: (866) 584-5504 • FAX: (954) 584-5556 •

WARRANTY IS NON-TRANSFERABLE AND NON-REFUNDABLE.

RD080305

© 2005 VECTOR MANUFACTURING  
MADE IN CHINA

## **IMPORTANT SAFETY INSTRUCTIONS**

#### **WARNINGS**

1. To reduce the risk of electrical shock, do not expose this unit to rain or moisture, or submerge it in water.
2. DO NOT attempt to connect or set up the unit or its components while operating your vehicle. Inattention to the road may result in a serious accident.
3. Do not position the External Antenna in such a way that it impedes the driver's access to vehicle controls or visibility.

#### **CAUTIONS**

1. Use only the supplied 12 volt DC power adapter for powering this unit.
2. Make sure your vehicle's accessory outlet is 12 volt DC and negative ground (common in most vehicles).
3. Turn the FM Transmitter Charging Dock OFF before connection to a power source.
4. Never insert anything other than the supplied DC power adapter into the 12 volt DC power socket on this unit. Do not use any accessory not recommended or provided by the manufacturer.
5. Follow all warnings, cautions, and instructions marked on this unit and contained in this User's Manual.
6. The external antenna should be attached securely to the wall of your vehicle in a position where it will not be subjected to undue stress.
7. For protection during violent storms, or when left unattended or unused for long periods of time, unplug the 12 volt DC power adapter and disconnect the external antenna.
8. To prevent possible electrical damage to unit or your vehicle, always unplug the 12 volt DC adapter cord from your vehicle's accessory power outlet BEFORE removing the plug from the unit.
9. Do not open this unit. There are no user replaceable parts.
10. Check unit periodically for wear and tear. Replace worn or defective parts immediately. Contact Vector's Customer Service department, toll-free (866) 584-5504.

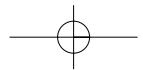
#### **Read This User's Manual Before Installing or Using This Unit.**

This device complies with part 15 of the FCC rules. Operation 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.

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 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 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.

## **SAVE THESE INSTRUCTIONS**



## TABLE OF CONTENTS

Introduction . . . . .	1
Features . . . . .	1
Operating Instructions . . . . .	2
Setting Up the iPod® FM Transmitter Power Dock . . . . .	2
Customizing the Dock to Fit Your iPod® . . . . .	2
Operating the Unit . . . . .	3
FM Station Selection . . . . .	3
Using the External Antenna . . . . .	4
Specifications . . . . .	4

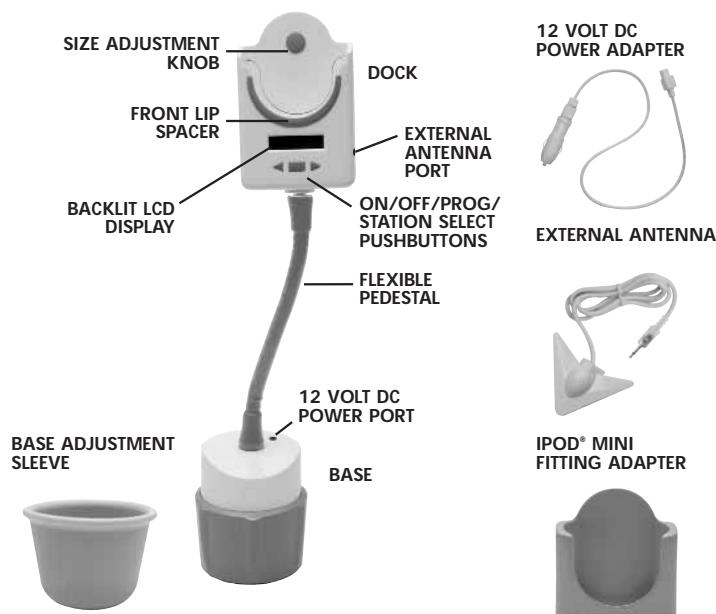
### INTRODUCTION

Thank you for purchasing the **VEC431 FM Transmitter Charging Dock for iPod®**, the accessory that allows you to play your iPod® over any FM stereo system, creating your own personalized FM radio station. The **VEC431** also conveniently recharges your iPod® while it is docked, even when it is in use.

Please read this User's Manual carefully before use to ensure optimum performance and to avoid damage to this product.

### FEATURES

- Transmits music from iPod® to any FM stereo
- Recharges iPod® while docked in the station (in use or idle)
- Multiple fitting adapters to accommodate most iPod® models
- 14 preset transmitter stations, all customizable by user
- Flexible pedestal for easy access and viewing
- Cup-style base fits perfectly in your vehicle cup holder for traveling
- Green backlit LCD display in Dock
- External antenna for superior reception in weak areas
- Detachable 12 volt DC power adapter



## OPERATING INSTRUCTIONS

### Setting Up the iPod® FM Transmitter Power Dock

- Insert the base of the **VEC431** into your vehicle's cup holder. If necessary, use the supplied Base Adjustment Sleeve to ensure a snug fit.
- Plug the 12 Volt DC Power Adapter's barrel end tip into the unit's 12 Volt DC Power Port (see illustration above). Plug the other end of the adapter into your vehicle's accessory outlet.
- Place your iPod® in the Dock, using the Fitting Adapters to achieve a secure, vibration-free fit (see "Customizing the Dock to Fit Your iPod®"). iPod® will automatically recharge while docked.

### Customizing the Dock to Fit Your iPod®

To achieve optimum performance and avoid damage to your iPod®, make sure it sits firmly in the Dock. If necessary, slide the Front Lip Spacer into the half-circle cutaway on the front of the Dock, insert your iPod®, then rotate the Size Adjustment Knob on the back of the Dock to adjust.

A separate fitting adapter is supplied for use with the iPod® Mini (see the illustration above). Fit this into the VEC431 Dock first, then insert your iPod® Mini into the adapter.



## Operating the Unit

Press any button for 1 second to turn the unit ON.

The left and right arrow buttons are the Station Select buttons. Pressing them cycles forward or backward through the preset/user-programmed FM stations.

Tune your vehicle FM stereo to the same station.

Press the "Play" button on your iPod®.

Use your vehicle's radio controls to adjust volume, balance, etc., just as you would any other radio station.

Press and hold any two buttons at the same time for 2 seconds to turn the unit OFF.

***This will power off the FM transmitter and LCD backlight at the same time.***

### FM Station Selection

The **VEC431** features 14 preset stations that can be reprogrammed as needed to achieve the best reception (see "Specifications" for this unit's operating range of frequencies). The preset numbers and their corresponding FM stations are shown on the backlit LCD display as follows:



### Programming Stations

If you need to reprogram the preset stations, choose FM stations on your vehicle stereo that are free of strong outside audio signals.

With the unit turned ON, press and hold the center button for 2 seconds to enter Program Mode.

Press the left or right arrow buttons until the preset number you want to change is displayed (the currently stored FM station will be listed on the right side of the LCD display).

Press and hold the center button for 1 second.

Press the left or right arrow buttons to set the desired FM station.

Press and hold the center button again for 1 second to store.

The unit will automatically exit Program Mode when you are through.

**Note:** *The same factors that influence vehicle radio reception in general will naturally affect signal strength of the VEC431. For example, there are cases in dense metropolitan areas where a local station's audio signal may "bleed" over to adjacent frequencies. Reception may vary depending upon location as you travel.*

*Experiment when programming your preset stations to find the clearest sound with the least interference.*

*An External Antenna is supplied to supplement your vehicle antenna.*