iTrip® AutoPilot

User Guide

iTrip AutoPilot | SMARTSCAN TECHNOLOGY

User Guide

Thanks for purchasing Griffin Technology's iTrip AutoPilot with SmartScan.

iTrip AutoPilot combines our popular iTrip FM transmitter unit with an innovative power & control unit to create the ultimate in-car solution for playing your iPod® or iPhone™. And SmartScan technology performs the setup for you, automatically.

Quick Start

Getting started quickly with 3 easy steps:

Quick Start Step 1

1. Plug iTrip into the dock connector of your iPod or iPhone, and plug iTrip's AutoPilot power/control plug into your car's 12 volt power socket or cigarette lighter.
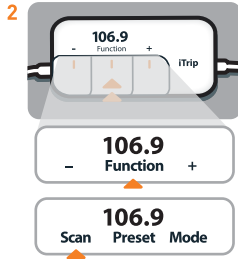
Quick Start Step 2

2. Use SmartScan to find the best frequency for iTrip to work with your car radio: Press **FUNCTION —> SCAN**. iTrip's SmartScan technology finds the 3 clearest FM frequencies and stores them in iTrip's presets, and shows the best one on iTrip's display. It takes about 25 seconds to complete the scan.
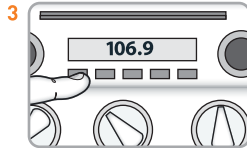

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iTrip

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Scan   Preset   Mode

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Quick Start Step 3

3. Tune your FM radio to the same frequency that's showing on iTrip's display.

You're now ready to enjoy the music from your iPod or iPhone through your car stereo.

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Controlling your iPod or iPhone

iTrip's AutoPilot controls give you the tactile feedback that enables you to control your music without taking your eyes off the road. Use the AutoPilot power plug to control the Play/Pause and transport functions of your iPod or iPhone:

▶❙❙ Press to play or pause

▶▶❙ Press to skip to the next track, or Press and Hold to scan through the current track

❙◀◀ Press to start the current track over; Press repeatedly to skip back through previously-played tracks; Press and Hold to scan back through the current track.

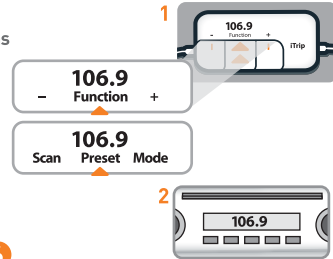**5**

Using Other Frequencies

In areas with lots of overlapping FM stations crowding the dial, you may need to choose a different frequency for iTrip.

To choose from your Presets:
1. Press **FUNCTION—>PRESET.** Select any of the 3 saved presets frequencies. (iTrip will exit this menu automatically after about 3 seconds.)

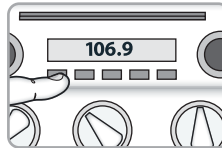2. Tune your car radio to the new frequency displayed on iTrip's screen.

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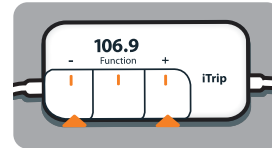
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To Tune Manually

1. Tune your car radio to a frequency at which you hear nothing but static. The ideal choice would be a frequency with nothing on either of its neighboring frequencies.

2. Press iTrip's + or – buttons to display the same frequency as your radio. Holding down the + and – buttons moves through them quickly.
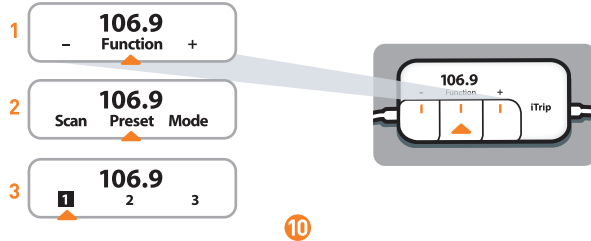
Setting your own presets

If you have three favorite frequencies that you want to be able to recall quickly, you can manually save them to iTrip's Presets:

1. Use the + and − buttons to show the desired frequency on iTrip's display.

2. Press **FUNCTION—>PRESET** (iTrip will automatically exit this menu after about 3 seconds.)

3. Press and Hold one of the three **PRESET** buttons for 2 seconds. The screen will blink once and will display the preset indicator number to confirm that the preset has been stored successfully. iTrip will automatically exit this menu after 3 seconds.

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Choosing Stereo or Mono Mode for Best Sound

iTrip can broadcast in either stereo or mono. In general, stereo produces a deeper, more natural or realistic sound, while mono produces a stronger signal. To switch modes:
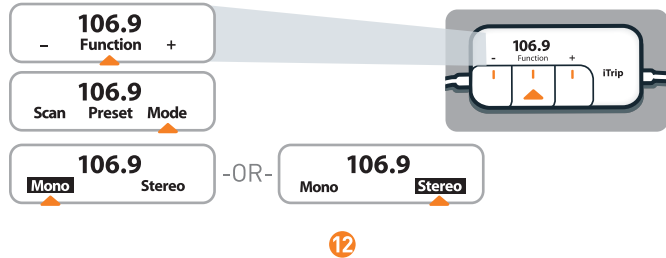
Press **FUNCTION—>MODE—>MONO**
▶ Use for podcasts, spoken-word and audio books.
▶ Use for a clearer signal in heavily populated areas where numerous FM stations crowd the dial.

Press **FUNCTION—>MODE—>STEREO**
▶ Use for music and musical podcasts.
▶ Use for best possible Right/Left Channel stereo separation and more natural sound.
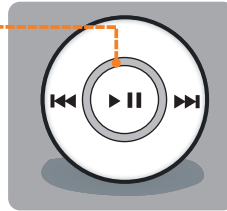
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Charge Indicator

iTrip's AutoPilot power plug is busy charging your player's battery as you listen. AutoPilot visually indicates battery charging status by means of a 3-color light ring:

Red light is on: AutoPilot is plugged in and receiving power, ready to start charging.

Amber light is slowly pulsing: AutoPilot is charging your player as it provides power to iTrip.

Green light is on: Your player is fully charged, and AutoPilot is providing power to iTrip.

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RDS

If your car stereo is equipped with RDS (Radio Data System), the artist and song information of the current song will be displayed on your car stereo. This information may be displayed differently on each brand of stereo.

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Important Info about Using iTrip with iPhone:

You may want to temporarily disconnect iTrip's cable when using your iPhone in phone mode, or you may consider the use of a Bluetooth earpiece for safety and convenience while driving.

The ringer switch on your iPhone works the same way with iTrip as it always does. To avoid missing calls, make sure you understand how the ringer switch works:

▶ Ringer Switch on: you will hear the ringtone through your speakers or headphones.

▶ Ringer Switch off: You will not hear any ringtone.

If you have music playing when making or accepting a call, your iPhone will fade the music out. When you end your call, the music will resume. If necessary, reconnect iTrip to your iPhone.

This information reflects iPhone firmware version 1.1.1. Changes, if any, as a result of firmware updates will be posted on our website. Visit www.goiTrip.com for information on everything iTrip.

Troubleshooting

Problems? No problem. Check these tips for a quick fix:

☐ FM Radio
1. Is it on?
2. Is it tuned to unused frequency?
3. Is the radio volume adjusted?

☐ iPod
1. Is the Hold switch on?
2. Is the Play Button depressed?
3. Is the battery completely drained? If so, allow the battery to recharge for a few short minutes so that your iPod will sense a constant current.

☐ iTrip
1. Has iTrip gone into low power mode? iTrip goes in a power-saving mode after an extended period of no music. To get the music going again, just press Play on your iPod, or disconnect and reconnect iTrip to your iPod.
2. Are iTrip and the radio tuned to matching frequencies?

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☐ Fuses
1. Check your car's cigarette lighter fuse. (Consult your car's owners manual for fuse locations and specifications.)
2. Check iTrip AutoPilot's fuse. iTrip protects your equipment with a replaceable fuse located inside the AutoPilot power plug. Replace with a blade-type mini-fuse (sometimes called an ATM fuse) rated at 2 amps, obtainable at any automotive supply store.

FUSE

automotive
blade-type
2-amp fuse

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Technical Specifications

iTrip is built for iPod models that use the 30-pin dock connector.

- Transmitter dimensions: 2.2" x .43" x 1.02" (58mm x 11mm x x26mm)
- Total length 44.5" (115.6cm)
- Weight: 2.2 oz. (US) (63 g)
- Antenna: Built-in
- Power: provided by auto cigarette lighter or 12 V accessory socket
  (no additional batteries required)
- Input voltage range: 12 – 16 VDC
- Maximum current: 2 amperes
- Output voltage: 5.2 VDC at 1 ampere
- Fuse type: 2 ampere blade-type automotive (ATM) fuse
- Modulation: FM Stereo

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- Available output RF ranges (region preset at factory):
  U.S.: 88.1MHz ~ 107.9 MHz
  Japan: 76.0 MHz ~ 90.0 MHz
  Other Countries: 88.0 MHz ~ 108.0 MHz
- Radio Frequency Adjustment Increments:
  Japan: 0.1 MHz per step
  U.S.A. and Other Countries: 0.2 MHz per step
- Radio Frequency Response: 50 Hz ~ 15 kHz
- Operating Range: 10 – 30' (3m ~ 9.1m)

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Call Griffin's Customer Support at 800-208-5996.
Monday – Thursday 9 am – 6 pm and Friday 9am – 5pm Central time.

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Warranty and Certifications

1 YEAR WARRANTY

Warranty details at **www.griffintechnology.com/support/**

We stand behind our products with the industry's best customer service, backed by a simple, fair warranty. Using this product signifies your acceptance of the terms of the warranty, so please read our warranty details at www.griffintechnology.com/support/ before using your Griffin product.

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Please recycle this package. Thanks!

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. The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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"Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.

"Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.

Apple is not responsible for the operation of these devices or its compliance with safety and regulatory standards.