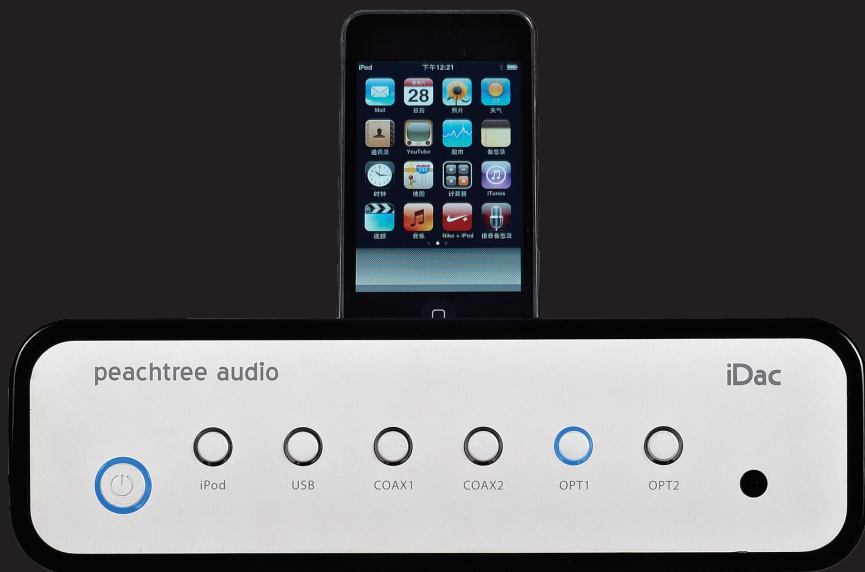


peachtree audio



iDac



Safety Guidelines

Important Safety Instructions

- 1) Read these instructions – All the safety and operating instructions should be read before this product is operated.
 - 2) Keep these instructions – The safety and operating instructions should be retained for future reference.
 - 3) Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
 - 4) Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
 - 5) Clean only with dry cloth.
- 6) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 - 7) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 8) Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 - 9) Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
 - 10) Only use attachments/accessories specified by the manufacturer.
 - 11) Unplug the apparatus during lightning storms or when unused for long periods of time.
 - 12) Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture,
 - 13) does not operate normally, or has been dropped.
 - 14) Please keep the unit in a good ventilation environment.
CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained
 - 15) in the operating instructions unless you are qualified to do so.
WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no
 - 16) objects filled with liquids, such as vases, shall not be placed on apparatus.
WARNING: The mains plug/appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.
 - 17) The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.
 - Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
 - The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
 - 18) WARNING: For the terminals marked with symbol of " " may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made leads or cords according to manufacturer's instruction.

Unpacking and Warranty

- 1) Keep all packing materials for future shipments. (service)
- 2) Keep a record of your bill of sale and a copy of the serial number for warranty and insurance purposes.
- 3) You may register your unit on our website: www.peachtreeaudio.com.

iDac

- Introduction
- Front Panel
- Back Panel
- Connections
- Remote Control



- Advice for iPod
- Useful Tips and more...
- Troubleshooting
- Product Guarantee and Service
- Compatibility for iPod
- Technical Specifications

Introduction

Welcome to your Peachtree Audio iDac!

Our goal at Peachtree is to design products that provide you with a magical musical experience. We believe the iDac reaches that goal.

At the heart of the iDac is an advanced ESS Sabre³² digital-to-analog converter. The secret to the sonic performance of the iDac is the Peachtree design team's meticulously-engineered implementation of this DAC, utilizing a variety of proprietary techniques and innovative circuit design. Connect your digital music library to the iDac and hear what's possible!

And . . . prepare your ears for a treat when you plug your supported iPod into the iDac's PURE DIGITAL iPod dock. Most docks pass only the analog signal from an iPod. But our PURE DIGITAL dock sends the digital bitstream from your iPod directly to the iDac's internal Sabre³² DAC. The result? Sound from your iPod to rival that of an expensive audiophile-grade CD player!

This manual is a guide to the functions and operation of your iDac. It shows you how to connect a variety of digital sources, and offers tips on getting the best performance. The iDac has been rigorously designed to deal with the real-world problems of computer and streaming audio - and it meets the true test of any audio component . . . it SOUNDS great!

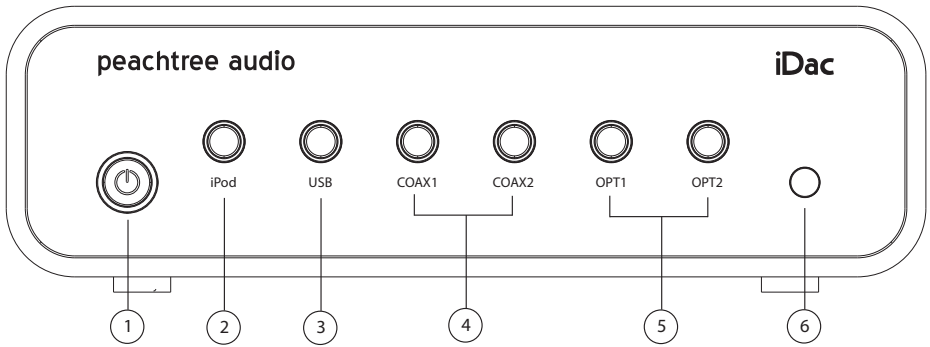
We hope the iDac will provide you with years of enjoyable music listening. Visit us at www.peachtreeaudio.com for additional tips on getting the best sound from the music on your computer, and from all your digital sources. Please contact your dealer, or us directly, if you have questions. We now invite you to go to www.peachtreeaudio.com to register your iDac purchase.

Thank you - and Happy Listening!

The Folks at Peachtree Audio

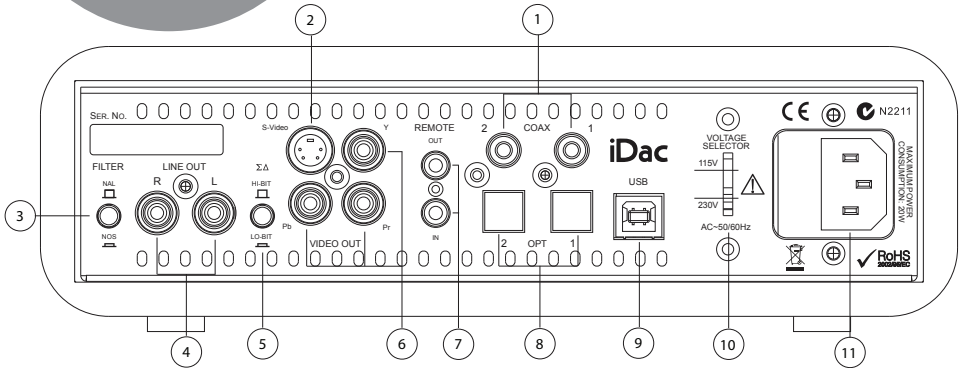
The lighted rings around the digital input buttons will blink until the digital signal is locked on the DAC.

Front Panel



- 1) **Standby:** The iDac is in standby mode when this button glows red. Push to turn on the iDac; the button will light up blue. When you are finished listening, push again to return to standby mode.
- 2) **Input for iPod:** Push to hear the digital signal from an iPod connected to the iPod dock on top of the iDac.
- 3) **Digital USB Input:** Push to hear music from your connected computer or other USB audio source.
- 4) **Digital Coax Inputs:** Push to hear music from a component you have connected via a digital coaxial cable, such as a CD player, DVD player, Sonos Zone Player, Logitech Squeezebox or other digital source.
- 5) **Digital Optical Inputs:** Push to hear music from a component you have connected via a digital optical cable (toslink), such as a CD player, DVD player, Sonos Zone Player, Logitech Squeezebox, Apple TV or other digital source.
- 6) **Infrared Remote Sensor:** When using the remote control aim it at this sensor for best results.

Back Panel



- 1) **Coaxial Digital Inputs:** For coaxial digital sources.
- 2) **S-Video Out (from iPod)**
- 3) **Digital Filter:** User-selectable settings. NOS (no filtering or oversampling) is preferred by many audiophiles for its smoother sound. NAL (non-aliasing) provides better measurements and is preferred by some listeners.
- 4) **Line Out:** To connect the analog output of the iDac to your preamplifier, integrated amplifier or receiver. The level is fixed (non-variable). Use your audio system's volume control to adjust listening levels.
- 5) **HI-BIT/LO-BIT:** User-selectable. LO-BIT is the choice of many audiophiles but we encourage you to experiment and choose the setting whose sound you prefer.
- 6) **Component Video Out (from iPod)**
- 7) **Remote In/Out:** For connecting a remote infrared sensor.
- 8) **Optical Digital Inputs:** For optical digital sources.
- 9) **USB Digital Input:** To connect directly to your computer via a USB cable.
- 10) **Voltage Switching:** For international use. Unplug the iDac before you make the switch and be sure to use the proper fuse for the voltage chosen. **WARNING:** Improper voltage setting may cause damage to the iDac.
- 11) **AC Power Cord Attachment and Fuse:** The three-prong power cord is included with the iDac. The fuse is user replaceable after turning the iDac off. You may call your dealer or Peachtree Audio's service department with questions regarding fuse replacement. **WARNING:** Using the wrong value fuse may damage the iDac and is a potential fire hazard.

Connections

- **Coaxial Digital Input:** Connect the coaxial output from any digital source, using a coaxial digital cable. Push the “COAX1” or “COAX2” input button on the front of the iDac to listen.
- **Optical Digital Input (sometimes called Toslink):** Connect the optical output from any digital source, using an optical digital cable. Push the “OPT1” or “OPT2” input button on the front of the iDac to listen.
- **USB Digital Input:** Connect the USB output from a computer (or other source component which can output audio via USB) using a USB cable. Push the “USB” input button on the front of the iDac to listen.
- **Component Video Out:** This allows a high-resolution pass-through of a video signal from your iPod. Using a set of component video cables, connect to the component video inputs of a television, A/V receiver or A/V preamp/processor. Video quality will be dependent upon the quality of the video program stored on your iPod.
- **S-Video Out:** Using an S-Video cable, connect to the S-Video inputs of a television or other component which has an S-Video connector. For the best video quality we recommend using the Component Video Out connection when possible.
- **Line Output:** Connect the iDac’s left and right line out jacks to line-level (AUX) inputs on your preamplifier, integrated amplifier or receiver. Select any connected digital source from the front panel of the iDac or from the iDac remote control. Set your listening level using your existing system’s volume control.

WARNING: DO NOT CONNECT THIS FIXED-LEVEL LINE OUTPUT TO A PHONO INPUT OR DIRECTLY TO THE INPUTS OF A POWER AMPLIFIER. YOU WILL LIKELY DAMAGE YOUR PREAMPLIFIER, RECEIVER, POWER AMPLIFIER AND SPEAKERS!

Remote Control

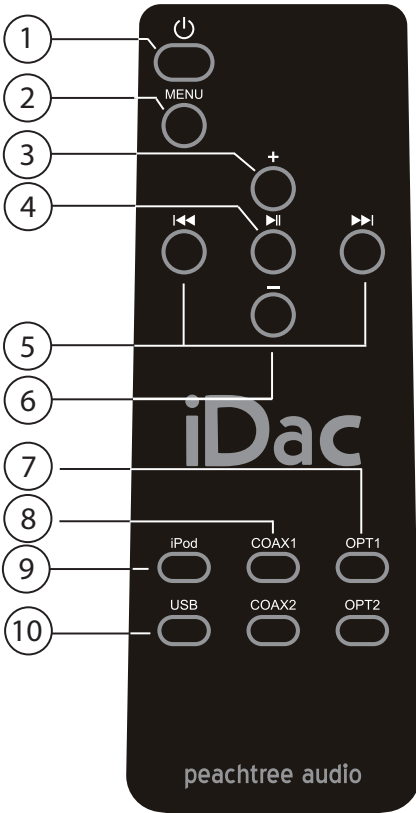
- 1) **On/Standby:** Put the iDac in or out of “Standby”

Buttons 2-6 are for control of your iPod docked in the iDac

- 2) **Menu:** Press to access the menu of the iPod. Holding this button down for approximately two seconds will select a highlighted item.
- 3) **“+”:** Scroll up to access songs or playlists within the iPod menu. Hold the remote “Menu” button down to select a highlighted song or playlist (see #2).
- 4) **Play/Pause:** Switch the iPod between play and pause modes.
- 5) **Skip Back/Skip Forward:** Skip back to the beginning of a music or video selection. (If the track has played for less than 10 seconds the iPod will skip to the beginning of the previous track.) Skip ahead to the next music or video selection.
- 6) **“-”:** Scroll down to access songs or playlists within the iPod menu. Hold the remote “Menu” button down to select a highlighted song or playlist (see #2).

Buttons 7-10 are for control of the iDac

- 7) **OPT1 and OPT2:** Select a source connected to an optical (Toslink) digital input.
- 8) **COAX1 and COAX2:** Select a source connected to a coaxial digital input.
- 9) **iPod:** Select the iPod docked in the iDac.
- 10) **USB:** Select a digital audio source connected to the USB input.



Supported iPod Models

Made For:

iPod touch (1st and 2nd generation)
iPod classic (80G, 120G, 160G only)
iPod nano (2nd, 3rd, 4th, and 5th generation)

Advice
for
iPod

Installing Dock Inserts for iPod

The iDac comes with several dock inserts that accommodate compatible iPod models. After identifying the proper insert for your particular iPod, position it in the dock with the two slits inside the insert facing the front of the iDac. It should click in to place over the multi-pin connector. You can remove the inserts by applying gentle pressure to the inside back of the insert and pushing upward.

Connecting Your iPod

After installing the dock insert you can connect your iPod. Slide the iPod gently into the dock insert making certain to properly align the connector in the insert with the connector on the bottom of your iPod. Do Not Force the iPod down on the connector. You may damage it and cause it to malfunction. You should only need a gentle but firm push to make the proper connection.

The Remote Buttons for Your iPod

⏮: This icon represents the previous track button. It shifts the iPod playback to the beginning of the current track, or if the song is 10 seconds or less in to the track it will shift to the beginning of the previous track.

⏭: This icon represents the next track button. It shifts the iPod playback to the next track.

⏸: This symbol is the Play/Pause button. It switches the iPod between play and pause modes. When in play, it will activate pause when pushed. When in pause it will activate play when pushed.

☰: This button has two functions. (1) Pressing this button quickly will access the menu function of the iPod. (2) Holding this button down for a couple seconds will “select” the highlighted song or playlist.

⏴/⏵: or Scroll up and Scroll down: These buttons allow the user to scroll up or down to access songs or playlists within the menu function. Remember: Holding the Menu key down for a couple seconds will perform the “select” function. (See #2 Menu on the Remote Control page.)

Performance Plus

We always recommend storing your music at high bit rates. If you use Apple Lossless or WAV files it will take up more storage space but certainly sound better. With a system like the iDac it will be immediately apparent that it sounds better than low bit rate files. For more information on performance optimization please visit our website at www.peachtreeaudio.com.

Static Charges and Voltage Surges

While the iDac has more than adequate ESD protection, it is always advisable to avoid static charges. They can sometimes cause your system to lock up or even damage it. Voltage surges and power outages can also create functional problems. We suggest re-booting the iDac and follow the reset instructions in your iPod manual if you suspect malfunctions due to a static charge, power outage or voltage surge.

Useful Tips

At Peachtree Audio we think products should be easy to use. We don't require any custom USB drivers or software programs to listen to music from your computer. The iDac's USB digital input accepts music files from your computer's hard drive and plays them back with superb fidelity.

USB Connections

PC

- 1) Connect the USB terminal on the iDac to a USB connection on your computer.
- 2) Your computer will "see" the USB Audio DAC inside the iDac. You may get a "Peachtree Audio 24/96" pop-up box but it's not necessary.
- 3) Right click the speaker icon on the bottom of your screen.
- 4) Select "Audio" tab.
- 5) Using the drop-down box choose Peachtree Audio 24/96.
- 6) Click OK.
- 7) Launch Music Program and play.

Mac

- 1) Open System Preferences.
- 2) Click on Sound.
- 3) In the Output tab you should see Peachtree Audio 24/96 as one of the choices. Select it.
- 4) Launch iTunes and enjoy your music.

Once you set up your computer following the above instructions it should recognize the iDac's USB Audio DAC and default to it. If you unplug the USB connection you may have to repeat some steps; this is not unusual.

Other Helpful Tips

- 1) For critical listening to music from your computer, avoid keeping multiple programs open. It can compromise the sound quality and even cause signal dropouts.
- 2) Avoid plugging and unplugging the USB input multiple times in a short time span. It usually is not a problem but increases the chance of a voltage spike to the USB input.

We'll post articles and other helpful tips on getting the best sound from your computer's music files, your iPod, and your other digital music sources. Visit us at our website:

www.peachtreeaudio.com



Interested in the Green Movement?

- 1) The iDac meets the European RoHS standards for non-hazardous metals.
- 2) The iDac utilizes a standby transformer that draws less than a watt in the US and less than 2 watts in countries with 220V electrical service.
- 3) We will continue to investigate more ways of making our products environmentally friendly. Feel free to email us with your suggestions: info@peachtreeaudio.com



Trouble Shooting

The iDac will not turn on	Be sure the AC plug is connected at the back panel and at the AC outlet, and that the outlet is live. Check the fuse.
The iDac turns on but there is no sound	Be sure your system is not muted and that the iDac has been selected. Be sure your digital source is on and playing. If the iDac's input button is blinking then your digital signal is not locked. Check to be sure your digital cable is properly connected.
The remote control doesn't work	Please check the batteries by removing the cover on the back of the remote. It is an infrared remote so it needs a clear line of sight to the sensor on the front panel of the iDac.
You intermittently lose your signal on the USB input	First, try relaunching your music server program (iTunes, WMP, etc.). If your computer still doesn't recognize the USB DAC unplug the USB cable from the computer and the iDac, wait a few seconds, then reconnect. These are computer hookups, and sometimes you'll lose a signal just as with your printer or other USB device. You should not have this problem often. We designed the iDac to remain locked on the USB signal at all times, but signal dropouts are still possible.
You pick up hum and noise through your iDac in your office system	This can require some trial and error diagnostics. If you have music files available on a laptop computer connect it (while on battery power) to the iDac. If it works properly, with no noise, then the computer in your office is introducing a ground loop into the system. This is not uncommon. However, the iDac's digital inputs are transformer-coupled to minimize this problem. If a problem persists, please feel free to contact Peachtree Audio.
When you switch from one source to another you get a loud "click" or "pop"	Sometimes this is from static buildup but it should not occur consistently over a long period of time. Contact your dealer or Peachtree Audio if this persists.
Your coaxial digital connections do not sound quite right	You must use a wide bandwidth 75 ohm digital interconnect in this application. If you use a standard audio RCA cable the results will not be nearly as good. This is not an unusual mistake as the two interconnects look identical but sound different.
Your iPod doesn't sound quite right through the iDac	Your iPod offers custom equalizations for headphone use that aren't necessary with the iDac and a good pair of speakers. We recommend using a "flat" response. If you find that you still need equalization, then start at "flat" and make your settings from that point.



International Guarantee and Claims Under Warranty

International Guarantee

The iDac has a one year Parts and Labor guarantee from the time of purchase. Units that are covered under this guarantee include iDacs purchased from an authorized iDac distributor or dealer.

Peachtree Audio can take no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorized adjustment and/or repair. The warranty does not cover shipping costs. Visit www.peachtreeaudio.com for a copy of the complete warranty.

Claims Under Warranty

The unit should be packed in its original packing and returned to the dealer from whom it was purchased, or if unavailable, directly to the iDac distributor.

You should use a suitable carrier. **Do Not Send By Postal Service.** Peachtree Audio cannot accept responsibility for the iDac while in transit to the dealer, distributor, or service facility. Please insure your unit against loss or damage while in transit.

In the unlikely event that you experience a failure with your iDac, please call for a return authorization number before returning products for service. Any iDac received without an RA # will be refused. You may also wish to route your repair through your dealer, which we encourage.

Call 704-391-9337 for a return authorization number and additional information on where and how to return your unit for service.

Main office (not service):

Peachtree Audio
2045 120th Avenue NE
Bellevue WA 98005

www.peachtreeaudio.com

Compatibility for iPod

To provide you with extraordinary sound the iDac takes the digital signal directly from your iPod and routes it to the iDac's built-in high-performance digital to analog converter. The table below shows the iPods that are compatible with the iDac.



iPod touch
2nd generation
8GB 16GB 32GB 64GB



iPod classic
80GB



iPod nano
5th generation (video camera)
8GB 16GB



iPod touch
1st generation
8GB 16GB 32GB



iPod classic
120GB 160GB (2009)



iPod nano
4th generation (video)
8GB 16GB



iPod nano
3rd generation (video)
4GB 8GB



iPod nano
2nd generation (aluminum)
2GB 4GB 8GB

Technical Specifications

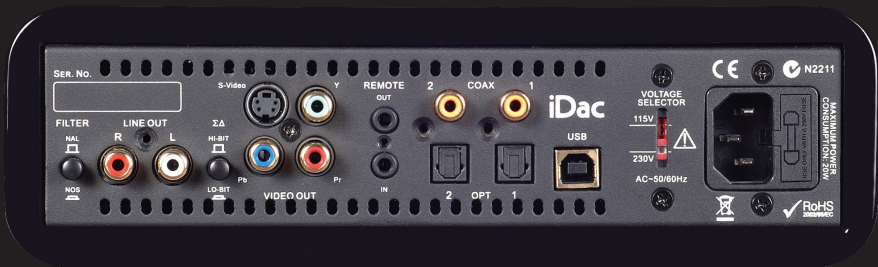
- 6 digital inputs USB, 2 Coax, 2 Optical, 1 iPod dock
- 2 video outputs Component and S-Video
- Fixed line-level output
- ESS ES9016 Sabre³² Ultra DAC
- 24Bit/96kHz USB capability
- 24Bit/192kHz SPDIF capability
- Frequency response 5Hz-100kHz
- S/N at the analog output 118dB
- Output voltage 2V
- Output impedance 10 ohms
- Jitter measured at the master clock <3 picoseconds
- Transformer-coupled digital inputs for ground isolation
- Galvanically-isolated USB stage to reduce noise from computer's switching power supply
- Internal linear power supply
- Maximum power consumption 20W

Dimensions 3½" H x 9" W x 10" D

Weight 8 pounds



peachtree audio



iDac



Made For:
iPod touch (1st and 2nd generation)
iPod classic (80G, 120G, 160G only)
iPod nano (2nd, 3rd, 4th, and 5th generation)

"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.

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

iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.