manual

Wadia 171iTransport

with Universal Dock for iPod

Thank You.

All of us at Wadia Digital would like to say
thank you, and congratulations for purchasing the
Wadia171iTransport Digital iPhone, iPad and iPod
integration device. We sincerely believe that your
Wadia 171iTransport is an intelligent investment
that will bring you many years of musical enjoyment
and satisfaction.

We understand how eager you are to begin listening
and we want you to become familiar with the full
capabilities of the Wadia 171iTransport. However,
before powering on the device, we encourage you to
look through the manual and pay special attention
to the sections highlighted with an ◆.

Wadia Digital – a Brief History

Wadia Digital, founded in 1988, is one of the original companies dedicated to high performance digital audio reproduction. Wadia was formed by a team of engineers from the Minneapolis based 3M Corporation (Minnesota Mining and Manufacturing) who shared many years of experience in advanced digital telecommunications research and development. In the early 1980's, these engineers became intrigued by the emerging compact disc technology. Disappointed with the sound quality of early CD players, they examined the workings and designs of these early components and found them to be unsophisticated when compared with the technology available in other areas of digital design. In response, they founded Wadia Digital – a company based on the philosophy of applying advanced technology to improve the performance of digital audio components. Wadia's first product, the Wadia 2000 Decoding Computer, was an absolute breakthrough in digital audio. For many discerning listeners, it proved that Digital Audio was a musically responsive, evolving, and engaging format.

Building on a tradition of excellence, Wadia continues to develop innovative technology; refining, listening, engineering, and improving along the way. Since the Wadia 2000, new generations of industry-leading designs have been introduced and embraced by listeners around the world. Each step of the way, Wadia has consistently raised the standard for performance of Digital Audio playback.

Here is a brief list of the technological innovations the Wadia engineers have pioneered over the past 20 years:

- DigiMaster™ patented algorithm (filter optimized for reproducing music)

- ClockLink™ proprietary jitter reduction technology

- SwiftCurrent™ current to voltage conversion technology

- First outboard Digital-to-Analog converter

- First to apply glass fiber-optics to home audio

- First to recognize jitter as a source of audible distortion

- First to perfect digital volume control

- First high-end CD player competitive with expensive separates

- **First company to provide bit perfect digital audio output from the iPhone and iPod**

While Wadia's expertise and track record exceed those of most digital audio companies, technology alone does not guarantee an immersive and captivating musical performance. Wadia's intuitive designs are born of a delicate balance of technology shaped by a passion for music.

Wadia continues to re-define the limits of digital music playback. We are proud to introduce the Wadia 171iTransport – a breakthrough in sonic performance and a strong statement of our dedication to music.

Advantages of Digital Audio

Digital audio signals can be processed without the additive losses and distortion found in analog processing. This loss of resolution is caused by analog circuitry and connectors in a signal path. The Wadia 171iTransport bypasses the digital to analog conversion and analog output stage from the iPhone, iPad and iPod. By providing a pure digital audio output from your iPhone, iPad and iPod, the Wadia 171iTransport enables performance that is only limited by the resolution of the audio files stored on your iPhone, iPad and iPod, and the overall quality of your audio system. In other words, the Wadia 171iTransport makes it possible to achieve true audiophile performance from your iPhone, iPad and iPod.

Optimizing Preformance

For optimum sonic performance when using iPhone, iPad and iPod we highly recommend that you store music at the highest bit rate you can justify. Storing music files at higher bit rates will require substantially more storage space on your computer, iPhone, iPad and iPod, however, the sonic improvement is self evident. The highest available quality is achieved by importing music into iTunes as WAV or AIFF files. AIFF and WAV files are full resolution files equal to the original master source. Another good option for storing music in iTunes is Apple Lossless. Apple Lossless will allow you to preserve much of the performance of your music while not using as much space on your computer, iPhone, iPad and iPod. To make sure that you are importing music at the highest bit rate you will need to open iTunes and follow these instructions.

- Select – Open the iTunes drop down menu (Mac), or
         Edit Tab (Windows) from the menu bar

- Select – Preferences

- Select – Advanced Tab (within the Preferences window)

- Select – Importing Tab (within the Advanced Tab window)

- Select – Import Using (2nd Selection From Top). With this Drop Down
         menu you will be able to select AIFF, WAV or Apple Lossless

- Select – AIFF, WAV or Apple Lossless Encoder

Installation

Unpacking
Use care in unpacking your Wadia 171iTransport.

Inspect it for any signs of shipping damage and call your dealer immediately if any is found.

Do not plug your Wadia 171iTransport into any outlet if you find shipping damage.

Please save all packing materials so unit can be easily and safely shipped if the need arises.

Accessories
Included in the carton, you will find an accessory kit that contains the following:

- Locking AC Adapter and Power Cord

- IR Remote Control

- Digital Coax Cable

- iPhone Adapter Insert

- iPod Adapter Inserts

Video Cables are not included with the Wadia 171iTransport. For optimal performance, please contact your local dealer for information on Video Cables that will be most compatible with the Wadia 171iTransport and your system.

Installing Battery in Remote Control
The Wadia 171iTransport remote control will ship with the required battery preinstalled. However, you will need to remove the clear plastic insert tab from the battery to allow operation of the remote.

◆ **Connecting to AC Power**
Check to make sure that the power cord shipped with your Wadia 171iTransport has been manufactured for operation at your AC line voltage. Damage caused by improper operation is not covered by Wadia warranty. If the included cable and wall termination is different from your AC outlet, contact your Wadia dealer.

◆ **Installing and Removing the iPhone & iPad Adapter Cable**
The Wadia 171iTransport comes with a special adapter cable for use with the iPhone and iPad. The adapter is pre-installed on the 171iTransport. While primarily used for the iPhone and iPad, users may connect any Apple music device to the transport through the adapter cable.

Caution: The adapter can be removed, but is not designed for regular removal. If you must remove the adapter, pull up on the back section of the flat plastic connector on top of the iTransport. Do not pull on the cable. Removing the adapter reveals a typical iPod docking well.

To re-attach the adapter cable, locate two small tabs on the front of the flat connector portion of the adapter. Also, note two corresponding grooves on the front inside portion of the docking well. Angle the front part of the adapter so the front slides into the well. Make sure the tabs firmly seat inside the grooves

on the well. The connector will not move left or right if the tabs are seated correctly. Once those tabs are seated, push down slowly on the rear of the adapter until the back of the adapter clips on the back edge of the iTransport. Do not force the adapter down. Forcing the connector could damage the 30-pin connector on the iTransport. Damage due to incorrect installation of the adapter cable is not covered by the Wadia warranty.

For further instructions, please visit www.wadia.com and view the adapter installation video in the 171iTransport section.

◆ Installing iPod Dock Inserts

The Wadia 171iTransport comes with several dock inserts that will allow it to accommodate the compatible iPod models. First, you will want to determine which insert fits your iPod model. If there is already a dock insert in the Wadia 171iTransport, you will want to remove it. This is accomplished by applying slight pressure with your thumbs to the back of the insert while pushing up to release the dock insert. To install the new insert, make sure that the two (2) small slits in the inside of the insert are facing the front of the Wadia 171iTransport. Place the dock insert over the multi-pin metal connector and carefully click into place.

◆ **Installing iPhone Dock Insert**

The Wadia 171iTransport comes with an special adaptor insert for the iPhone and iPad. To attach the new adaptor, insert the front part into the well first. This takes some patience. Once the front section is in the well, push on the back part to clip the adaptor onto the back edge of the Wadia 171iTransport.
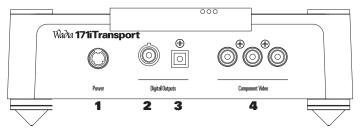
Connections

Avoid static discharge to the inputs or outputs. To prevent static shocks, touch any grounded surface, such as the chassis of any component that uses a grounded 3-prong plug, before connecting or removing a cable. It is unlikely that a static discharge will damage the unit, but it may cause the Wadia 171iTransport circuitry to "lock-up" (see *Lock-Up* under *Trouble Shooting* in Appendices).

Choosing a Digital Cable

The Wadia 171iTransport features both a Coaxial S/PDIF Connection with a RCA connector and a Optical S/PDIF Connection with a Toslink connector. The quality of either of these transmission methods depends on the quality of the cable and the sophistication of the transmitter and receiver. While the cable included with the Wadia 171iTransport will certainly work for the transmission of digital information between the Wadia 171iTransport and a Digital to Analog Converter or other digital receiving device, we recognize distinct advantages in higher quality cables available today. Again, we highly recommend that you take advantage of your dealer's experience and, most importantly, trust your ears.

◆ Connecting to an Audio or Audio/Video System

Back Panel (from left to right)

1. **Power:** The power supply comes with the Wadia 171iTransport. It is a custom power supply and the use of any other power supply will void the warranty.

2. **Digital Out Coax:** This is a digital audio output that is compatible with the S/PDIF standard. It is intended to mate to a coax digital input on a compatible device.

3. **Digital Out Toslink:** This is a digital audio output that is compatible with the S/PDIF standard. It is intended to mate to a Toslink digital input on a compatible device.

4. **Component Video:** This is the high resolution video output available from the newer generation of iPods (iPod touch, iPod classic and iPod nano 3G and 4G) iPhones and iPads.

Making a Digital Connection

Connect your chosen cable from the S/PDIF Coaxial or Toslink Digital Audio output on the Wadia 171iTransport *(connection 2 or 3 in iTransport Outputs illustration)* to the corresponding digital input on your Digital to Analog Converter, Digital A/V Receiver or Digital Preamp/Processor.

Making a Component Video Connection

Connect your chosen cable from the Component Video output on the Wadia 171iTransport *(connection 4 in the iTransport Outputs illustration)* to the corresponding Component Video input on your Television, A/V Receiver or Preamp Processor.

(The Wadia 171iTransport only acts as a high-performance pass-thru for video signals. Picture performance is limited to the quality of the material stored on the iPhone, iPad or iPod. Some video adjustments may be necessary on your video display for maximum video performance).

Making a Power Connection

Connect the supplied Power Cord to the AC Adapter. Connect the AC Adapter with locking connector to the Power Input on the Wadia 171iTransport *(connection 1 in the iTransport Outputs illustration)*. The locking connector has a sleeve that has to be pulled back while the metal portion of the connector is being inserted into the Wadia 171iTransport (this may require both hands). The connector can only go in with the flat side of the connector facing up. Once the connector is all the way in, let go of the sleeve and it will return to its original position and lock the connector in place. Finally plug the Power Cord into the wall to supply power to the Wadia 171iTransport.

Operation

Supported iPhone and iPod Models

iPhone 4
16GB 32GB

iPod touch
4th generation
8GB 32GB 64GB

iPod touch
3rd generation
32GB 64GB

iPod nano
6th generation
8GB 16GB

iPhone 3GS
16GB 32GB

iPhone 3G
8GB 16GB

iPhone
4GB 8GB 16GB

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

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

iPod classic
(2009)
120GB 160GB

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

iPod classic
(2007)
160GB

iPod touch
1st generation
8GB 16GB 32GB

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

iPod classic
80GB

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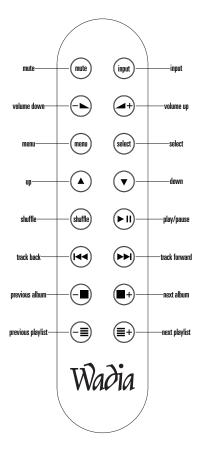(aluminum)
2GB 4GB 8GB

◆ Connecting the iPod

Connect your iPod once you have properly installed the appropriate dock insert. Gently slide the iPod down into the dock insert. Make sure to align the connection on the bottom of the iPod with the multi-pin metal connector located within the plastic dock insert. Do not force the iPod down into the dock insert or you may damage the multi-pin connector and cause the Wadia 171iTransport to malfunction. To remove the iPod from the Wadia 171iTransport, grasp the iPod with a firm grip and pull upwards at the same angle of the iPod while docked.

◆ Connecting the iPhone

We recommend you use the adaptor with the extension cable for optimum antenna performance. Plug the extension cable into the iPhone with the marked side facing up toward the touch screen. You can dock the iPhone using the appropriate insert provided with your iPhone.

◆ Connecting the iPad

The iPad can only be connected using the adaptor with the extension cable due to the size of the iPad. The extension cable plugs into the 30 pin connector on the iPad with the marked side up. The 171iTransport will not charge the iPad, but it will not drain the iPad either.

Using the Remote Control

The Wadia 171iTransport includes a metal remote which controls the iPod/iPhone/iPad. The remote commands will behave differently on individual iPod/iPhone models. If you need clarification on the difference, please go to our web site at:
www.wadia.com/products/transports/171i

Remote Buttons and Functionality

(mute) Mute: Will mute the sound on Wadia products that feature volume control.

(input) Input: Will cycle through the inputs on Wadia products that feature input selection.

(−►) Volume Down: Will lower the volume on Wadia products that feature volume control.

(◄+) Volume Up: Will raise the volume on Wadia products that feature volume control.

(menu) Menu: Will go up one menu on an iPod. *

(select) Select: Will select the highlighted option on the iPod. *

(▲) Up: Will move the highlighted option on the iPod up one. *

(▼) Down: Will move the highlighted option on the iPod down one. *

(shuffle) Shuffle: Will turn the shuffle option on or off on most compatible iPod models.

(►ıı) Play/Pause: Will cause the iPod to play music or to pause the music playback.

(ı◄◄) Track Back: Will cause the iPod to skip back to the previous track.

(►►ı) Track Forward: Will cause the iPod to skip forward to the next track.

(−■) Previous Album: Will skip to the previous album in the selected playlist. *

(■+) Next Album: Will skip to the next album in the selected playlist. *

(−≣) Previous Playlist: Will skip to the previous playlist. *

(≣+) Next Playlist: Will skip to the next playlist. *

* Designates command that can be further explained on our website www.wadia.com. These commands
  behave differently on different iPod/iPhone/iPad models. The website will explain in greater detail how
  your iPod/iPhone/iPad should react to the commands.

Appendices

Environmental Care

Wadia Digital makes every effort to be an environmentally conscientious company. We greatly appreciate it when our customers join our efforts. Please dispose of batteries and packing material in a manner that is environmentally responsible.

Important Safety Precautions

To get the best performance from your Wadia 171iTransport, and for your own safety, please read and follow these important safety instructions.

1 Before operating the Wadia 171iTransport please read all of the operating and safety instructions.

2 Never place the Wadia 171iTransport near heat sources such as radiators, fireplaces, stoves, or other appliances that produce heat. Avoid placing the Wadia 171iTransport where it will be subject to direct sunlight or low temperatures.

3 Before cleaning the Wadia 171iTransport, always disconnect the power supply cord. Use a soft cloth and, if necessary, dampen with clean water. Never apply water, or any other cleaner, directly to the chassis.

4 If you smell smoke, or an abnormal smell, immediately unplug the Wadia 171iTransport from the power supply and contact your Wadia dealer.

5 Never attempt to service the Wadia 171iTransport beyond what is described in this Owner's Manual. All service should be performed by qualified service personnel.

6 Unplug unit if it becomes wet.

7 Do not attempt to repair or modify your Wadia 171iTransport.

Trouble Shooting

Connections: Do not force any of these connections. If the connection does not go in smoothly, back it out and retry. Damage to the Wadia 171iTransport or its supplied accessories caused by user error will not be covered under the Manufacturers Warranty. Please contact your Wadia Dealer if you feel any of these connections seem problematic.

Lock-up: It is possible to "lock-up" or crash the micro-processor circuitry of the Wadia 171iTransport. A lock-up may result in no output, and/or no response to remote commands. This can be caused by a variety of circumstances, such as an electro-static discharge, voltage surge, brown-out, or radio-frequency interference.

If your Wadia 171iTransport should lock-up unplug the AC power cord, wait at least 30 seconds before plugging in the unit again. If the unit still does not operate normally, you may try re-docking your iPhone, iPad or iPod. If the unit still does not operate normally contact your dealer.

Reset: iPod – Toggle the Hold switch on and off (slide it to Hold, then turn it off again). Press and hold the Menu and Select buttons until the Apple logo appears, about 6 to 10 seconds. You may need to repeat this step.

iPhone, iPad or iPod touch – Press and hold the Sleep/Wake button and the Home button at the same time until you see the Apple logo.

Problems with iPhone, iPad or iPod: If you experience problems with the functionality of your iPhone, iPad or iPod, please refer to your owner's manual or visit www.apple.com.

Warranty

This Warranty covers the Wadia 171iTransport.

Wadia Digital warrants that this product shall be free from defects in materials and workmanship for:
1 year for all parts of the product (excluding batteries).

The warranty period begins at the date of sale and is subject to the following requirements and understandings:

1 This is a non transferable warranty.

2 The product must not have been modified in any manner whatsoever, or the warranty is immediately voided.

3 The product must not have been stored in a humid, damp environment; nor subjected to weather, water, or salt spray.

4 During the warranty period Wadia will repair a defective Wadia 171iTransport at no cost to the owner for labor, materials, and shipping charges from Wadia.

5 Wadia shall not, under any circumstances, be liable for any incidental or consequential damages arising from the loss of property or other damage or losses due to the failure of a Wadia 171iTransport. Wadia will not pay for loss of use or inconvenience caused by the failure of a Wadia 171iTransport. Wadia will not pay for damage caused to other audio components caused by the failure of the Wadia 171iTransport within the limits allowed by State Law.

6 The customer is responsible for the shipping charges for all repairs, warranty or non-warranty, shipped to Wadia. Wadia will pay return shipping to the customer or dealer (within the United States) for all warranty replacements. Special shipping methods or services will not be covered by Wadia.

7 This product is only warranted in the country of original sale by Wadia.

Specifications

Digital Output: Coaxial S/PDIF (RCA)
Toslink

Video Outputs: Component Video (RCA)

Dimensions (HWD): 2.7 x 8 x 8 in.
6.86 x 20.32 x 20.32 cm

Weight: 2.42 lb.
1.1 kg

Made for iPod

Conçu pour iPod

Works with iPhone

Fonctionne avec iPhone