

## Specifications

### Digital Inputs:

2 Coaxial S/PDIF (RCA), 1 TOSLINK Optical, 1 USB B

### Power:

<50 watts RMS per channel into 8 and 4 Ohms

### Dynamic Power Rating @ 1kHz:

100 watts per channel into 4 Ohms

### Distortion (THS + N):

1kHz@1 Watt: 0.03-0.09%, 1kHz@45 W: 0.11%

### Signal-to-Noise Ratio:

-103dB (signal on), -105dB (signal off)

### Frequency Response:

20Hz to 20kHz  $\pm$ 0.7dB

### Power Requirements:

AC 100 – 240VAC, 50/60Hz

### Dimensions (HWD):

2.7 x 8 x 8 in., 6.86 x 20.32 x 20.32 cm

### Weight:

6 lbs, 2.72kg

### Accessories Included:

Aluminum Remote

Heavy Duty Power Cord

manual

## Thank You.

All of us at Wadia Digital would like to say thank you, and congratulations for purchasing the Wadia 151PowerDAC mini Digital Integrated Amplifier. We sincerely believe that your Wadia 151PowerDAC mini 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 151PowerDAC mini. However, before powering on the device, we encourage you to look through the manual and pay special attention to the sections highlighted with an ◆.

- 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 151PowerDAC mini. Wadia will not pay for loss of use or inconvenience caused by the failure of a Wadia 151PowerDAC mini. Wadia will not pay for damage caused to other audio components caused by the failure of the Wadia 151PowerDAC mini 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.

## Warranty

This Warranty covers the Wadia 151PowerDAC mini.

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 or exchange a defective Wadia 151PowerDAC mini with a similar available product, at no cost to the owner for labor, materials, and shipping charges from Wadia.

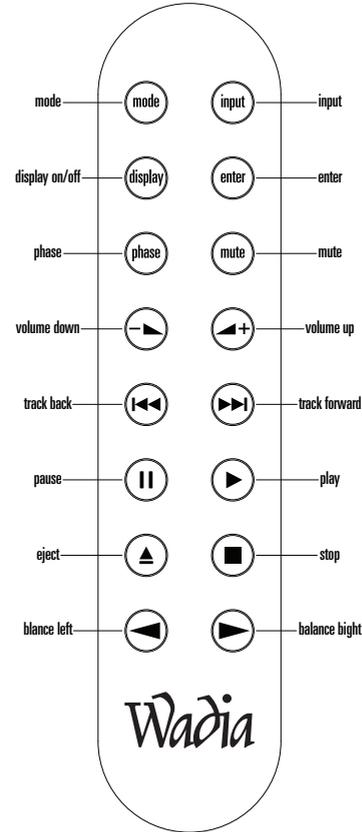
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## Wadia Digital – a Brief History

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.



## Pause

The Pause button pause the playback on a Wadia transport

## Play

The Play button starts the playback on Wadia transport

## Eject

The Eject button cause a Wadia transport to eject the disc inside the drive

## Stop

The Stop button stops the play back of a Wadia transport

## Balance Left

The Balance Left button causes the sound to the left speaker to be more dominant

## Balance Right

The Balance Right button causes the sound to the right speaker to be more dominant

## Using the Remote Control

### Mode

Not active

### Input

The Input button will cycle to the next with each push of the button (Coax 1, Coax 2, TOSLINK, and USB)

### Display on/off

The display button will turn the LCD display on or off

### Enter

The Enter button displays current sample rate of digital signal

### Phase

The phase button inverts the polarity of the signal

### Volume Down

The Volume Down decreases the volume

### Volume Up

The Volume Up increases the volume

### Track Back

The Track Back button skips to the previous track on a Wadia transport

### Track Forward

The Track Forward button skips to the next track on a Wadia transport

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 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 151PowerDAC mini – a breakthrough in sonic performance and a strong statement of our dedication to music.

## Important Safety Instructions

To get the best performance from your 151PowerDAC mini, and for your own safety, please read and follow these important safety instructions.

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

## Using the 151PowerDAC mini

### Power

The power switch is located on the back panel of the Wadia 151PowerDAC mini. Depress the power switch (circle) to turn the power "off". Please make sure the Wadia 151PowerDAC mini is turned off when making all digital and speaker connections.

### Input

The Input button will cycle to the next input with each push of the button. (Coax 1, Coax 2, TOSLINK, and USB)

### Phase

The Phase button inverts the polarity of the signal.

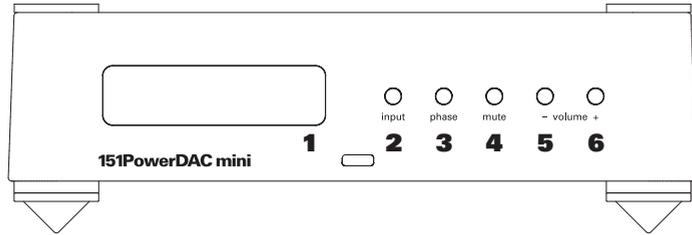
### Mute

The Mute button will mute the volume to zero, hit the button again and the volume will revert to its previous setting.

### Volume

Volume on the Wadia 151PowerDAC mini is controlled with the volume '+' and '-' buttons on the front panel. The buttons maybe continuously held for quicker volume setting. To increase the volume press '+', '-' to decrease the volume.

## Operation



### Front Panel

- 1** LCD display
- 2** Input Selector
- 3** Phase Button
- 4** Mute Button
- 5** Volume Up
- 6** Volume Down

- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service 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, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## Installation

### Getting Started

The Wadia 151PowerDAC mini is an integrated amplifier with 4 digital inputs with upsampling to 24-bit/384kHz. Despite its small size, the 151PowerDAC mini is bursting with technology to bring you the best sound possible.

### Features

- 24-bit/384kHz upsampling
- Accepts up to a 24-bit/192kHz input data rate
- Wadia's DirectConnect with Digital Volume Control technology
- <50 watts RMS per channel into 8 and 4 Ohms
- 4 Digital Inputs: 2 Coaxial S/PDIF (RCA), 1 TOSLINK Optical, 1 USB B
- 5-way insulated Gold Binding Posts
- High quality Gold Plated Input Jacks
- Aluminum full function Remote Control
- Heavy Duty Power Cord

### ◆ Speaker Outputs

The speaker outputs are on the back of the Wadia 151PowerDAC mini. Connect the left speaker to the left speaker terminals and the right speaker to the right speaker terminals. Make sure you keep the Wadia 151PowerDAC mini positive terminal (red) with the positive terminal on the speaker and the negative (black) on the Wadia 151PowerDAC mini with the negative (black) on the speaker.

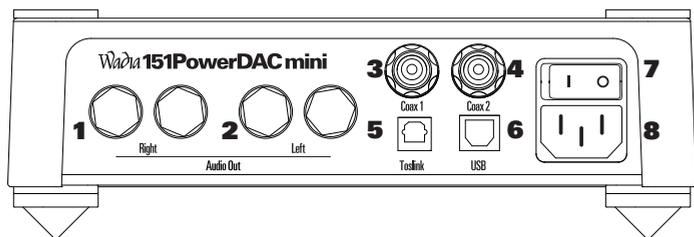
### ◆ Connecting the Digital Inputs

The Wadia 151PowerDAC mini has 4 digital inputs on the back.

- **2 Digital Coax Inputs:**  
Use a digital cable coax with RCA connectors. A digital source would be the Wadia 170iTransport.
- **1 TOSLINK Optical Input:**  
Use a TOSLINK optical cable from a digital source. DVD player or laptop computer with optical output.
- **1 USB Input:**  
Use a USB cable from a desktop or laptop computer. The USB input accepts a sample rate up to 24-bit/96kHz.

## 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.*



### Back Panel

- 1** Right speaker terminals
- 2** Left speaker terminals
- 3** Coax 1 S/PDIF (RCA)
- 4** Coax 2 S/PDIF (RCA)
- 5** TOSLINK Optical
- 6** USB B
- 7** Power Switch
- 8** Power cord terminal

## Unpacking

Use care in unpacking your Wadia 151PowerDAC mini. Inspect it for any shipping damage and call your dealer immediately if any is found.

*Do not plug your Wadia 151PowerDAC mini into an AC outlet if you find shipping damage.*

We advise saving all packing materials so that the unit can be easily and safely shipped if the need arises.

## Accessories

The following accessories are included with the Wadia 151PowerDAC mini:

- AC power cord
- Remote Control

### **Installing Battery in Remote Control**

The Wadia 151PowerDAC mini remote control requires two AAA batteries. To install the batteries, remove the battery cover on the back of the remote. Insert the batteries as indicated on the battery holders, and replace the cover.

### **◆ Connecting to AC Power**

Check to make sure that the power cord shipped with your Wadia 151PowerDAC mini 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.

### **◆ Using AC Line Conditioners**

The Wadia 151PowerDAC mini employs extensive power-line filtering and noise suppression technology so fine performance is available with the Wadia 151PowerDAC mini plugged directly into a wall outlet using the AC power cord provided. However many users report gains in sound quality when using power conditioners or after-market power cords. If you wish to experiment with any of these devices we recommend working with your dealer and trusting your own ears for what sounds best.

### **◆ Using a “Surge Protector”**

Although the Wadia 151PowerDAC mini resists most significant voltage spikes it can still be damaged by extreme voltage overload such as a lightning strike. This type of damage is not covered under warranty. In certain circumstances, a “surge protector” can prevent this type of damage. If needed, we recommend a high quality conditioner/surge protection device to avoid the degradation in sound typical with inexpensive “strip” devices.