



## Information & Operation Manual

**Wadia S7i Integrated CD Player / Decoding Computer**





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## Thank You

All of us at Wadia would like to offer thanks and congratulations to you for purchasing the Wadia S7i Integrated CD Player / Decoding Computer. We sincerely believe that your Wadia S7i Integrated CD Player / Decoding Computer will bring you many years of musical pleasure and satisfaction.

While every new owner is anxious to begin listening, we encourage you to take a few minutes to read this manual and familiarize yourself with the full capabilities of the Wadia S7i Integrated CD Player / Decoding Computer.

*If you are in a hurry to begin listening, please read the sections of this manual where the symbol at right is shown.*



## 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 iPod

Although Wadia's digital expertise and track record exceed those of any audio company, technology alone does not guarantee musical performance. Wadia designs are born of a delicate balance of technology shaped by a passion for music.

Wadia is proud to introduce the Wadia S7i Integrated CD Player / Decoding Computer, a breakthrough in sonic performance and value, and a strong statement of our years of dedication to music.



## S7i Integrated CD Player / Decoding Computer

### Installation and Set-up

#### Unpacking

Use care in unpacking your Wadia S7i Integrated CD Player / Decoding Computer. Inspect it for any shipping damage and call your dealer immediately if any is found.



*Do not plug your Wadia S7i CD Player / Decoding Computer 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

Provided with the Wadia S7i Integrated CD Player / Decoding Computer are the following accessories:

- AC power cord
- Four tip-toes with threaded studs
- Four steel coasters
- RCA/BNC adapter
- Remote Control



*Do not tip the unit onto the back panel. This can damage input and/or output connectors.*

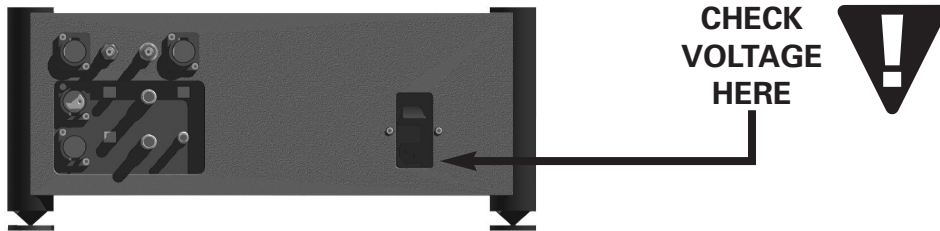
#### Installing the Tip-Toes

With the unit still positioned on its side, screw one of the tip-toes into the bottom of each corner post.

Position the Wadia S7i Integrated CD Player / Decoding Computer where you would like it to reside in your system. We recommend choosing a solid, non-resonant, level surface for best performance. If this surface is susceptible to damage, place one of the steel coasters under each tip-toe.



## Connecting to Your System



*Check to make sure your Wadia S7i CD Player/Decoding Computer has been manufactured for operation at your AC line Voltage. Attempting to use the Player at any voltage other than the specified on the rear of the unit may damage the unit. Damage caused by improper operation is not covered by warranty. If the voltage specified is different from your AC voltage, contact your Wadia dealer.*



## Connecting to AC Power

We have designed your product with careful attention to every detail. We are extremely confident of the performance obtained when your Wadia component is plugged directly into the wall with the power cord provided. Your Wadia product has been designed with power conditioning, surge suppression and an extremely sophisticated overall protection scheme. Externally sourced surge protectors, power conditioners, or aftermarket power cords can be a mixed bag of benefits and limitations, particularly those which limit current and/or alter phase relationships of the voltage and current (power factor) delivered to the Wadia product. In some cases, we have found aftermarket products can be quite beneficial, while in other cases we have found that these products can actually degrade the sonic performance. If you wish to experiment with any of these devices, work closely with your local dealer – and most of all, trust your own ears.

## Connecting Directly to a Power Amplifier

Avoid allowing static shocks to be applied to the inputs or outputs. To prevent static shocks, touch any grounded surface, such as the Wadia S7i Integrated CD Player/Decoding Computer chassis, before connecting or removing a cable. It is unlikely that a static shock will damage the unit, but it may cause the Wadia S7i Integrated CD Player/Decoding Computer circuitry to “lock-up” (see **Trouble Shooting: Lock-Up** in the **Appendices**).

Inputs and outputs can be safely connected to the Wadia S7i Integrated CD Player/Decoding Computer

1. Before the unit is powered up
2. When the unit is in Relay-Mute mode

We strongly recommend that you use your Wadia S7i Integrated CD Player/Decoding Computer connected directly to your power amplifier. Even if you purchased your Wadia S7i Integrated CD Player/Decoding Computer with the intention of connecting it to your preamplifier, we suggest that you try direct connection to your amplifier. Many listeners are surprised by the improvement in performance over even the most expensive preamplifiers.

To connect your Wadia S7i Integrated CD Player/Decoding Computer to a power amplifier, ensure that your power amplifier is turned off then connect your analog interconnects from the Wadia S7i Integrated CD Player/Decoding Computer analog outputs to the amplifier’s inputs.

## Using with a Preamplifier

While the Wadia S7i Integrated CD Player/Decoding Computer was designed to be used without a preamplifier, no compromises were made in its design that will prevent excellent operation in a conventional system with a preamplifier. When using a preamplifier, set the volume control to its maximum level.



## **S7i Integrated CD Player / Decoding Computer**

### **Optimizing the Output Level**

Best performance is obtained when operating the Wadia Volume Control near the top of its range. If needed, the maximum output level of your Wadia S7i Integrated CD Player / Decoding Computer can be adjusted to match the overall sensitivity of your system so that the critical listening will take place with the volume control operating near the top of its range.

The maximum output level of the Wadia S7i Integrated CD Player / Decoding Computer is adjustable by means of a set of internal switches. The Wadia S7i Integrated CD Player / Decoding Computer is factory set to accommodate the most common range of system sensitivity. If you find that your typical volume level during critical listening is below 65 on the volume display, it will be advantageous to use a different setting. To change the output level, consult your dealer.

### **Connecting to Other Digital Sources**

The Wadia Integrated CD Player / Decoding Computer is equipped with digital inputs which can accept digital signals from any of these established digital formats. (Input 1: Wadia USB, Input 2: Coaxial with BNC connector, Input 3: Plastic-optical TOSLINK, Input 4: AES/EBU with XLR connector).

The Wadia Integrated CD Player / Decoding Computer digital inputs will decode any word length up to 24-bit, and any of the standard digital audio sampling frequencies up to 96kHz.

### **Choosing a Digital Cable**

The performance of any digital transmission method depends on the quality of the cable and the sophistication of the transmitter and receiver. For example, a high quality coaxial cable can outperform a low quality AES/EBU cable. A high quality AES/EBU cable will outperform a poorly implemented glass optical system. If you are using a coaxial cable we recommend that you have the cable terminated with a BNC connector. This will provide higher performance than an RCA connector. Your Wadia Integrated CD Player / Decoding Computer comes with an RCA/BNC adapter that can be used for experimentation between different types of coaxial cable. Please note that USB cables from different manufacturers can exhibit a broad range of performance levels. Regardless of manufacturer, the length of USB cable can affect sound quality in significant ways, with shorter lengths always sounding better than extremely long lengths.

Again, we highly recommend that you take advantage of your dealer's experience and, most importantly, *trust your ears*.

All XLR-type inputs and outputs on the Wadia S7i Integrated CD Player / Decoding Computer, both digital and analog, use the standard audio pin configuration:

- Pin 1 - Ground**
- Pin 2 - Positive signal**
- Pin 3 - Negative signal**



## Frequently Asked Questions

### *Should I use a Balanced or Unbalanced connection?*

If your amplifier has a true balanced input, we recommend you use the balanced analog output from your Wadia S7i Integrated CD Player / Decoding Computer. All things being equal, properly implemented balanced (also called differential) circuitry sounds better than unbalanced circuitry. The Wadia S7i Integrated CD Player / Decoding Computer is a true balanced design. It generates the inverted signal in the digital domain and all subsequent processing is done in balanced mode. Your Wadia S7i Integrated CD Player / Decoding Computer is designed to maintain many of the advantages of true balanced design when using the unbalanced outputs. In addition, the Wadia S7i Integrated CD Player / Decoding Computer output stage is capable of driving both types of outputs simultaneously.

### *Why should I bypass the Preamplifier?*

A preamplifier is unnecessary when using your Wadia S7i Integrated CD Player / Decoding Computer. The Wadia S7i Integrated CD Player / Decoding Computer provides all the necessary control functions of a preamp while the signal is still in the digital domain. This avoids the sonic degradation caused by analog circuitry, switches, and wire. The Wadia S7i Integrated CD Player / Decoding Computer output stage can drive any power amplifier and any interconnects, even at very long lengths.

### *Does the Wadia Volume Control compromise resolution?*

The Wadia S7i Integrated CD Player / Decoding Computer uses the latest generation of Wadia's proprietary digital volume control. The volume level can be varied in the digital domain by means of mathematical manipulation of the signal, eliminating the distortion and noise that are inevitable with even the best analog volume controls. While conventional thinking indicates that reducing the volume digitally can sacrifice low level resolution, Wadia has created an innovative solution. Wadia's patented digital filtering algorithm produces a 24 bit output rather than the 16 bits stored on the CD. This high-resolution signal is then used in the computations which in turn reduce the volume level. This new signal is fed directly to the DAC chips. Through this innovative method, the Wadia S7i Integrated CD Player / Decoding Computer maintains high resolution even at the lowest volume control settings.

### *Can I bypass the Wadia Volume Control?*

Because the Digital Volume control does not include any analog circuitry, there is none to be bypassed. Even the mathematical program step that performs the Digital Volume Control calculation is an integral part of the Wadia DigiMaster filter algorithm and therefore cannot be bypassed. If you do not need the Wadia Volume Control, set it to its maximum level of 100 on the display.

### *What about Analog Sources?*

In order to fully realize the potential of this type of system, Wadia has a range of Analog-to-Digital converters. Now it is possible to use analog sources, such as a tuner, tape deck, or even a turntable (in conjunction with a suitable phono stage) in your system without using a conventional analog preamplifier. Consult your dealer for more information on the Wadia Analog-to-Digital products.

### *Should I leave the Wadia S7i Integrated CD Player / Decoding Computer with the power on?*

The Wadia S7i Integrated CD Player / Decoding Computer is designed to be left with the power on with no harm or wear to the unit. All motors and laser circuitry turn off when the unit stops playing. If desired, the front display can be turned off (see **Turning off the Display** under **Remote Operation**). Leaving the power on allows the circuitry to remain in thermally stable, which provides better performance and longer life. Careful listeners will notice that the sound of the Wadia S7i Integrated CD Player / Decoding Computer will improve steadily after the unit is powered up. A new unit will undergo more dramatic changes when power is applied for the first time. If you turn off your Wadia S7i Integrated CD Player / Decoding Computer for more than an hour, you will find that the unit will undergo similar, but less dramatic improvement once power is reapplied.





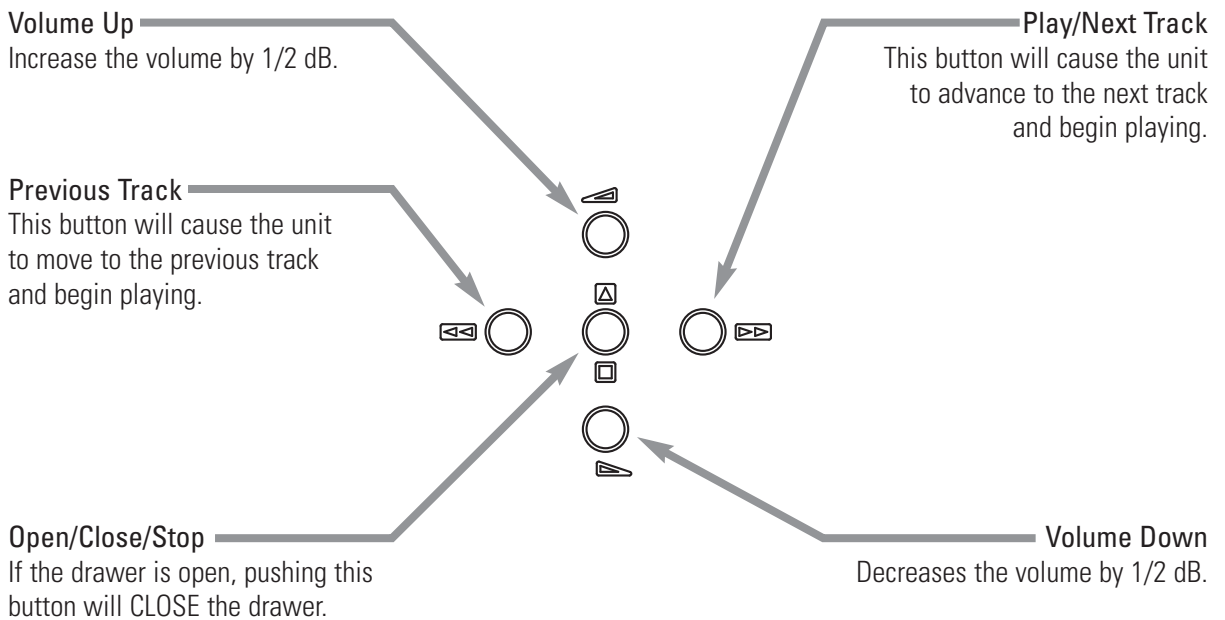
## S7i Integrated CD Player / Decoding Computer

### General Operation

Using the switch located directly above the AC power input, turn the switch to the ON position.

### Front Panel Controls

The front panel of the Wadia S7i Integrated CD Player / Decoding Computer features basic controls that allow you to operate basic functions without using the Remote Control.



If the CD is playing, pushing this button will STOP playing.

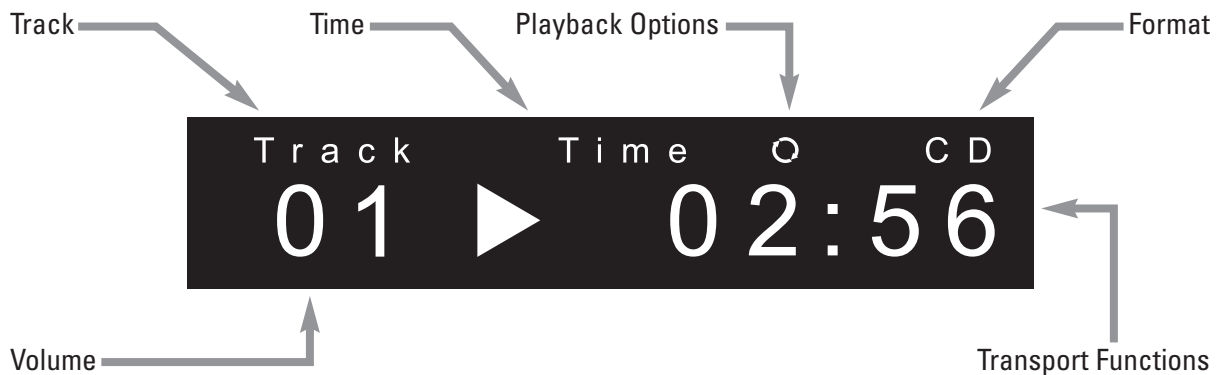
If the unit is not playing, pushing this button will OPEN the drawer.

*Example:*

*To open the drawer while the unit is playing, push the button once to stop and once more to open.*



## Display Features



## Display Functions

The Wadia S7i Integrated CD Player / Decoding Computer features a large display screen. The top section shows the status of the transport. The bottom of the display indicates preamp functions, as described below.

### Turn-On Screen

This screen is displayed each time the Wadia S7i Integrated CD Player / Decoding Computer is powered-up. After five seconds, the display will change to the Input screen with internal transport selected, then change again to the Volume screen with the volume set to Zero.

S7i CD Player

### Input Screen

The Input screen shows which input is currently selected. It also indicates whether ClockLink is engaged and the sampling frequency. If there is no signal connected to the selected input, the display will read, "No Data."

In 1: USB Audio



## S7i Integrated CD Player / Decoding Computer

### Status Screen

The Status screen indicates whether the status is Phase Normal or Inverted, and whether the CD was recorded using digital high frequency emphasis.

```
Phase: Normal
Emphasis: No
```

### Volume Screen

The Volume screen shows the right and left channel volume level. If the output is muted, the display will indicate this by showing, "MUTE."

```
Left           Level           Right
100            000            100
```

During normal listening, the display will show the default screen

```
Track  Time  CD
01    02:56
```

### Changing Between Display Screens

Anytime a button is pressed, the Wadia S7i Integrated CD Player / Decoding Computer display automatically switches to the appropriate screen to display the change. For example, pressing the balance controls on the remote control will switch the S7i Integrated CD Player / Decoding Computer display to the Balance screen. After five seconds, the display will return to the Volume screen.

Also, pressing the enter button will cause the display to change to the next screen. Repeatedly pressing the enter button will cause the display to continue to change to successive screens (see the **Menu Screen Map** on page 16).

### Disc Formats

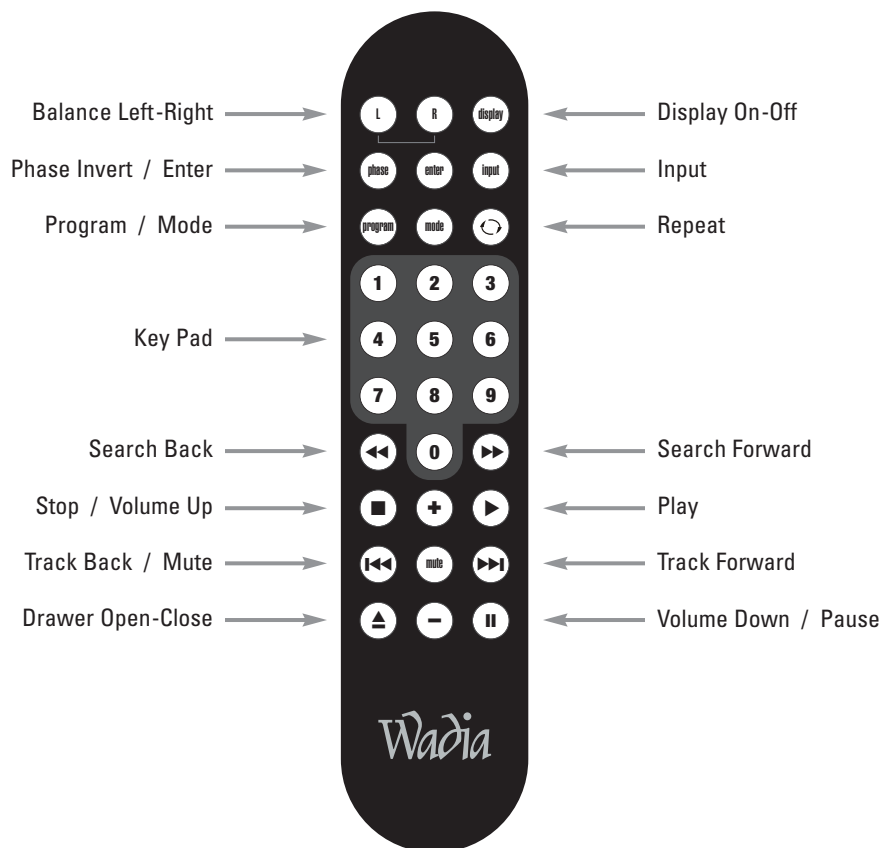
The S7i Integrated CD Player / Decoding Computer will not only play CD's recorded in the Red Book CD standard (including CD-R and CD-RW), but it also can play discs recorded in several of the other popular formats: MP3, FLAC and WMA. The file format will display in the upper right hand corner of the display panel. If a disc with multiple formats (hybrid disc) is inserted, it will display HYBD.

When you first load a MP3, FLAC or WMA encoded disc you will see the total track count along with a disc time of "00:00". When the S7i Integrated CD Player / Decoding Computer is playing data discs, the user may skip tracks front and back with direct track access, using the number pad on the remote, available up to track 999. In addition, the time display options become non-operational, the S7i Integrated CD Player / Decoding Computer will only display the time played on the track, not the time remaining for the track or the whole disc.



## Remote Control Operation

The Wadia S7i Integrated CD Player / Decoding Computer remote control requires a CR3032 battery. The battery should already be inside the remote. You will need to remove the plastic battery protector from the battery chamber for the remote to work.



### Adjusting the Volume

Whenever the volume control buttons are pressed, the volume for both channels will be increased or decreased by an increment of 1 on the display screen. The range of the volume control is from 1 to 100, with each step representing 0.5 dB change in volume.

### Adjusting the Balance

Relative volume of each channel can be adjusted via the balance control buttons on the remote. Pressing one of the balance buttons increases the volume on that channel relative to the other by an increment of 0.2 on the display. This corresponds to a 0.1 dB change. The next time the button is pressed the opposite channel is decreased. This way the overall volume level (the sum of the two channels) remains constant within 0.1 dB.




## S7i Integrated CD Player / Decoding Computer

### Selecting an Input

The Wadia S7i Integrated CD Player / Decoding Computer has four digital inputs, plus the internal drive. Any of the inputs can be selected from the remote control by pressing the input button. Each time the input button is pressed, the next input is selected. For example, if you are listening to internal drive and you press the input select, Input 1 will be selected, press it again, and Input 2 will be selected and so on. After Input 4, the list will begin again with the internal drive.

Whenever you select a new input, the display will switch to the Input Screen.

### Inverting Absolute Phase

The Wadia S7i Integrated CD Player / Decoding Computer has the ability to invert absolute phase in the digital domain. Pressing the Phase Invert button  on the remote control will cause the Wadia S7i Integrated CD Player / Decoding Computer to invert phase; pressing it again will switch the phase back to normal. If the Wadia S7i Integrated CD Player / Decoding Computer is in Phase Invert mode, this will be indicated on the Input Screen of the display.

### Display On/Off

By pressing the Display On or Off button, the Wadia S7i Integrated CD Player / Decoding Computer display can be turned off completely.

### Mute Modes

The Wadia S7i Integrated CD Player / Decoding Computer has two mute modes that are automatically implemented under different circumstances.

#### DSP-Software Mute

When the Mute button is pressed on the remote control, the Wadia S7i Integrated CD Player / Decoding Computer's DSP engine transmits a stream of zero signal level samples to the DAC section, which results in zero output.

#### Output-Relay Mute

The Wadia S7i Integrated CD Player / Decoding Computer has a mute relay connection between the positive and negative outputs, when this relay is engaged, it connects the positive output to the negative output, reducing the output to zero. This relay, which produces an audible click when it engages or disengages, is not in the music signal path. The mute relay is engaged:

- When the Wadia S7i Integrated CD Player / Decoding Computer detects AC input level below its minimum operating range.
- Each time the Wadia S7i Integrated CD Player / Decoding Computer power switch is turned on.
- When the volume control is set to zero AND the mute button on the remote control is pressed. When the Wadia S7i Integrated CD Player / Decoding Computer is in either Mute Mode, the Volume Screen will indicate this by displaying the word, "MUTE."

### Direct Track Access

Use the number pad on the remote to directly access individual tracks.



**TRACK BACK/FORWARD ◀▶**: Pressing these buttons allows access to the previous or next track on a CD.

**SEARCH BACK/FORWARD ◀▶▶▶**: Pressing these buttons allows fast reverse or fast forward access through a track. Pressing the PLAY button to resumes normal playback.

**STOP ■**: Pressing this button while a CD is playing stops PLAY.

**PAUSE ⏸**: Pressing this button, while a CD is playing, suspends PLAY. Pressing the PLAY button will resume play at the point where the pause button was pressed.

**PLAY ▶**: After a CD has been loaded, pressing this button plays the CD beginning with the first track.

**REPEAT ↺**: This button controls two repeat modes: Repeat track and repeat all. Pressing the button once will cause the individual track to repeat. Pressing the button a second time will cause the entire CD to repeat continuously. A third button press returns the system to "no repeat" mode.

**ENTER**: See Configuring digital inputs and selecting an algorithm on page 16.

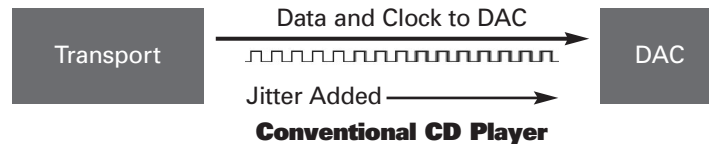


## S7i Integrated CD Player / Decoding Computer

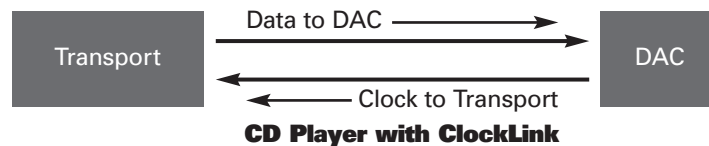
### Theory of Operation

#### Using ClockLink with an External Processor

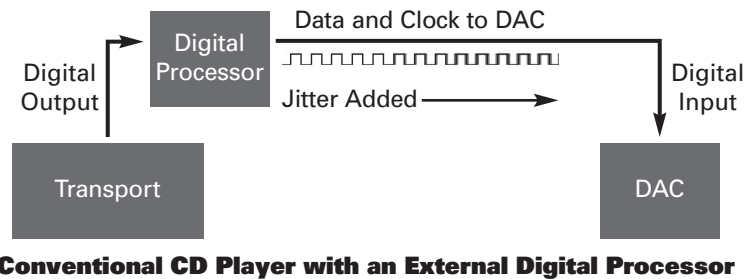
ClockLink eliminates jitter added when the clock signal is recovered from the digital data stream. In a non-ClockLink system, jitter is added when the clock signal is embedded in the data stream and transmitted to the DAC. When the clock signal is recovered from the data stream (as shown below), and used to clock the DAC output, this jitter degrades the sonic performance.



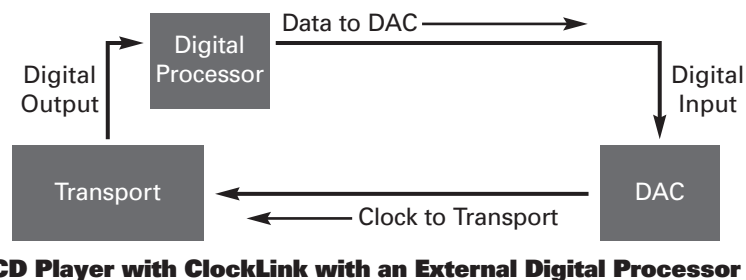
With ClockLink, the clock is not recovered from the data. Instead, the master clock is located at the DAC. This clock signal is transmitted to the transport to keep it synchronized with the DAC. Because the recovered clock is ignored, any jitter on that signal does not affect the sonic performance.



Digital inputs and outputs can be used with a digital signal processor such as a digital equalizer. Digital processors allow the signal to be modified without adding analog noise and distortion. However, digital processors can add jitter, as shown below, causing noticeable sonic degradation.



Using ClockLink with an external processor, the Wadia S7i Integrated CD Player / Decoding Computer ignores the incoming clock and uses the master oscillator at the DAC. As a result, jitter added by the external digital processor does not affect sonic performance.





### Configuring Digital Inputs for ClockLink

To utilize ClockLink with an external processor, the Wadia S7i Integrated CD Player / Decoding Computer digital inputs must be configured for ClockLink as described below.

Use the Enter button to scroll through the display menus until you reach the configuration menu for the input you wish to configure. Shown below is the configuration menu for Input 1:



Use the Volume Up or Volume Down button to change to ClockLink ON. Press the Mute button to save the configuration.

**Note:** *Using ClockLink with a source other than the internal transport will result in unpredictable, degraded performance.*



ClockLink should only be used when using an external processor which is being fed by the Wadia S7i Integrated CD Player / Decoding Computer internal transport. For all other applications, inputs should be configured with ClockLink OFF.

The Wadia S7i Integrated CD Player / Decoding Computer has several features to prevent ClockLink from being engaged when it should not be. First, whenever the input signal is other than 44.1 kHz sampling frequency, the Wadia S7i Integrated CD Player / Decoding Computer will automatically revert to recovered clock mode. Second, if the internal transport is not running, the Wadia S7i Integrated CD Player / Decoding Computer will revert to recovered clock mode.

**Note:** *All inputs on the Wadia S7i Integrated CD Player / Decoding Computer are factory configured for ClockLink OFF.*



### ClockLink Status Indication

When the Wadia S7i Integrated CD Player / Decoding Computer is operating in ClockLink mode, the Input screen will indicate as shown below:



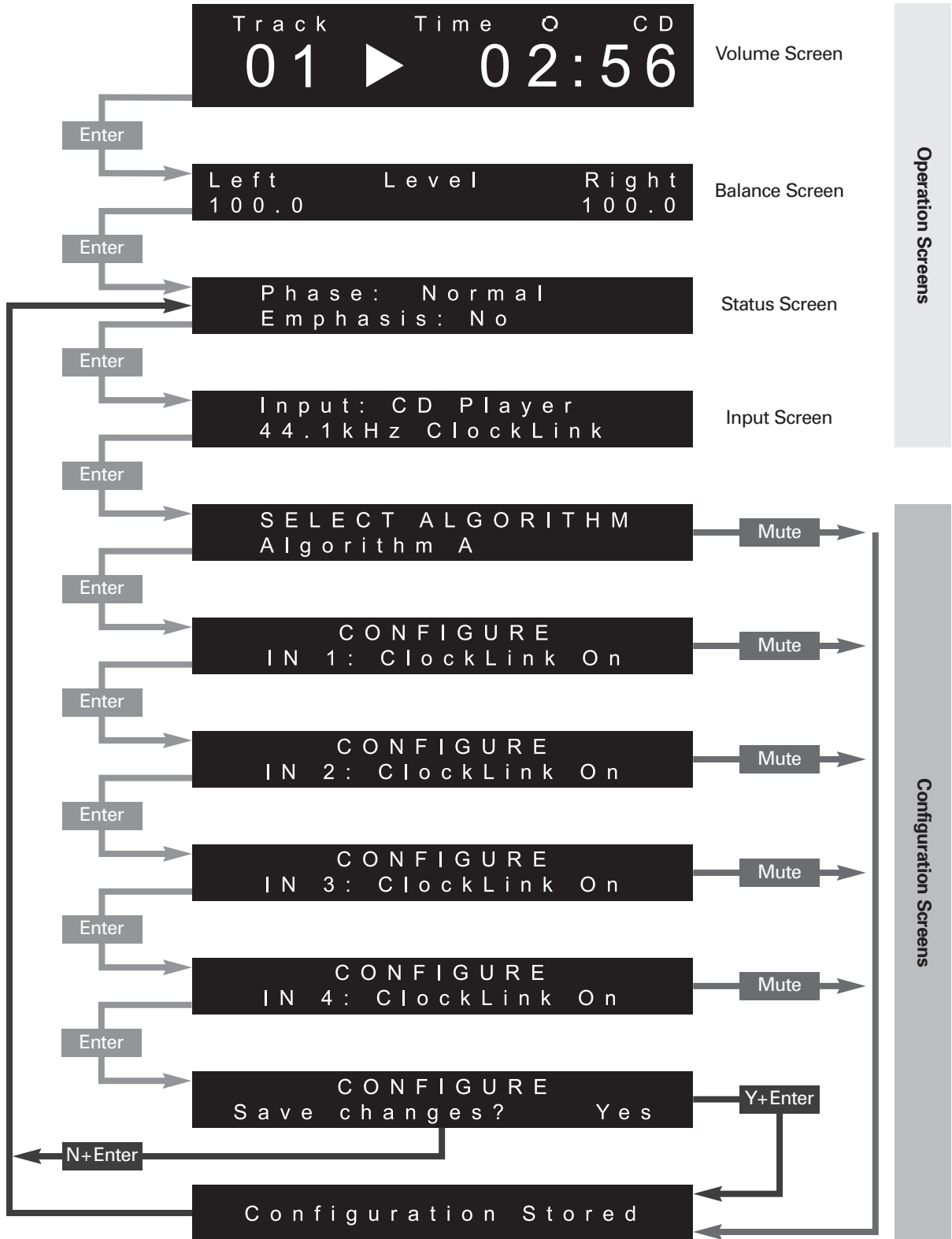
Even if an input is configured for ClockLink, the Status screen will only indicate ClockLink if it is currently engaged. For example, if an input is configured for ClockLink, and the Wadia S7i Integrated CD Player / Decoding Computer's internal transport is turned off, then the display will not indicate ClockLink.





# S7i Integrated CD Player / Decoding Computer

## Menu Screen Map





## Digital Algorithms

In the Wadia S7i Integrated CD Player / Decoding Computer there are three user-selectable digital algorithms that can be used to optimize the sonic performance based on system matching and personal musical priorities.

The three algorithms in the Wadia S7i Integrated CD Player / Decoding Computer all upsample to 32x the input rate (at 24 bit/1.4112 MHz DAC sample rate), but differ in their time and frequency domain characteristics. They are:

**Algorithm A** Digimaster v2.5. Wadia's classic time-domain interpolation algorithm delivers a robust sound with extraordinary image Focus and re-creation of recorded space.

**Algorithm B** Provides a more extended top end than Algorithm A, with superior time-domain performance compared to conventional CD filters.

**Algorithm C** Retains the high frequency extension and superior detail resolution of Algorithm B, but with a more relaxed presentation overall.

The selected algorithm is used for 44.1 kHz (CD) and 48 kHz sources, either from the internal transport or any of the four digital inputs. For 88.2 kHz and 96 kHz sources, Digimaster v2.5 is always used as it provides the best performance at high-sample rates.

We encourage you to become familiar with the unique sonic performance of each of these algorithms and enjoy the one that brings you optimum musical pleasure.

## Selecting an Algorithm

To change the digital processing algorithm, press the Enter button on the remote control repeatedly to bring up this configuration screen:



SELECT ALGORITHM  
Algorithm A

The selected algorithm is shown on the second line of the display. Use the Up and Down Volume buttons to scroll to the desired algorithm, then either press the Mute button or the Enter button to navigate to the 'Save Changes?' screen and choose 'Yes'. The display will indicate 'CONFIGURATION STORED' and the output of the Wadia S7i Integrated CD Player / Decoding Computer will mute for 5-10 seconds while the selected algorithm is downloaded to the two DSP computers.

## Performing an Algorithm Comparison

When comparing processing algorithms it is important to adjust the volume to compensate for the different gains of the algorithms. Without this adjustment the one which is louder will usually sound better in a short-term A/B comparison.

In the Wadia S7i Integrated CD Player / Decoding Computer, algorithm A is approximately 1db higher output level than B and C (which are within 0.1 db of each other). To compensate for this higher output level, increase the indicated volume setting by 2 units for algorithms B and C when comparing them to A.



## **S7i Integrated CD Player / Decoding Computer**

### **Appendices**

#### **TroubleShooting: Lock-up**

If the Wadia S7i Integrated CD Player / Decoding Computer experiences a powerful static shock or sudden AC surge, it is possible to “lock-up” the computer circuitry. A locked-up computer may result in erratic display, no output, and no response to remote commands.

If your Wadia S7i Integrated CD Player / Decoding Computer should lock-up, unplug the AC cord. Wait at least 30 seconds before replugging in the unit. If the unit still does not operate normally, contact your dealer.

#### **Using Data Discs**

We have noticed when making FLAC discs for the Wadia S7i Integrated CD Player / Decoding Computer with Microsoft Vista, you need to use a third party CD burning program (ie: Easy CD Creator, Media Monkey). If you use Vista’s CD burning software, the CD is not properly closed so the Wadia S7i Integrated CD Player / Decoding Computer cannot read the files. We have not experienced any issues with Windows XP making FLAC data CD’s. We have also found no issues with a MAC OSX making the burn. The Wadia S7i Integrated CD Player / Decoding Computer will accept FLAC files up to 24/96 sample rates.

#### **Software License Agreement**

IMPORTANT! THIS AGREEMENT SETS FORTH TERMS AND CONDITIONS FOR THE DigiMaster SOFTWARE.

The DigiMaster software is copyrighted and patented. It is the property of Wadia Digital.

Title to Licensed Software is not transferred to the customer. The customer is granted a nonexclusive license to use the Licensed Software only on this Wadia S7i Integrated CD Player / Decoding Computer.

At Wadia’s sole Discretion, Wadia may provide customer with updates of the Licensed Software. Wadia retains the right to provide the Licensed Software updates for a fee. The customer may refuse to accept such Licensed Software updates.

#### **Environmental Care**

Wadia makes every effort to be an environmentally conservative company. We appreciate it if our customers join our efforts. Please dispose of batteries in a manner that is environmentally responsible.



## Technical Specifications

Decoding Software	3 user selectable upsampling algorithms including DigiMaster v2.5
Digital Processing Capability	1 - 24 Bits
Digital Resolution	21 Bits
Compatible Formats	Red Book CD, CD-R, CD-RW, MP3, FLAC (up to 24/96) and WMA <i>(will not play WMA lossless)</i>
Analog Outputs	One pair of Balanced (XLR); One pair of Unbalanced (RCA). Both can be used simultaneously
Digital Outputs	1 - Glass Fiber-Optic (ST), 1 - AES/EBU (XLR), 1 - SP/DIF (BNC), 1 - Plastic Optical (Toslink)
Digital Inputs	1 - USB (B1), 1 - AES/EBU (XLR), 1 - SP/DIF (BNC), 1 - Plastic Optical (Toslink)
Output Impedance	51 ohms
Power Consumption	58 watts
Weight	55 lb. (25kg) Unit itself; 62 lb. (28kg) Shipping Weight
Dimensions	17" Wide, 16.5" Deep, 7" High (including spiked feet)



## S7i Integrated CD Player / Decoding Computer

### Safety Precautions



### ! IMPORTANT SAFETY PRECAUTIONS !

To get the best performance from your Wadia S7i Integrated CD Player / Decoding Computer, and for your own safety, please read and follow these important safety instructions.

- 1 Before operating the Wadia S7i Integrated CD Player / Decoding Computer please read all operating and safety instructions.
- 2 Never place the Wadia S7i Integrated CD Player / Decoding Computer near heat sources such as radiators, fireplaces, stove, or other appliances that produce heat. Avoid placing the Wadia S7i Integrated CD Player / Decoding Computer where it will be subject to direct sunlight or low temperatures.
- 3 This product is equipped with a three prong AC power cord which includes an earth ground connection. To prevent shock hazard, all three connectors must always be used. If your electrical outlets will not accept this type of plug, an adapter may be purchased. If an adapter is necessary, be sure it is an approved type and that it is used properly, supplying an earth ground. If you are not sure of the integrity of your home's electrical system, contact a licensed electrician for assistance.
- 4 AC extension cords are not recommended for use with this product. If an extension cord must be used, be sure it is an approved type and has sufficient current carrying capacity to power this product.
- 5 Before cleaning the Wadia S7i Integrated CD Player / Decoding Computer, always disconnect the power supply cord. Use a soft cloth and, if necessary, dampen with plain water. Never apply water, or any other cleaner, directly to the chassis.
- 6 If you smell smoke, or an abnormal smell, immediately unplug the Wadia S7i Integrated CD Player / Decoding Computer from the power supply and contact your Wadia dealer.
- 7 Unplug unit if it becomes wet.
- 8 Replace fuse only with the exact type originally included.  
100 volt: (1) 1 amp Slo-Blo  
120 volt: (1) 1 amp Slo-Blo  
220 volt: (2) 1/2 amp Slo-Blo  
240 volt: (2) 1/2 amp Slo-Blo
- 9 THERE ARE NO USER SERVICEABLE PARTS INSIDE THE WADIA S7i INTEGRATED CD PLAYER / DECODING COMPUTER!
  - Do not attempt to repair or modify your Wadia S7i Integrated CD Player / Decoding Computer.
  - All service should be performed by qualified service personnel.
  - Do not open the unit while it is attached to the AC outlet.



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