

OWNER'S MANUAL

DAC-100 & DAC-100t

USB Digital to Analog Converters

NOTE: Before installing your new component, please read this manual carefully as it will inform you of the product specifications, proper installation and correct operating procedures for your unit. Also included in this manual are guidelines on how to service and care for your new Cary Audio Design product.

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IMPORTANT SAFETY INSTRUCTIONS

WARNING: The triangle with the lightning flash symbol displayed on the unit advises the user of dangerous uninsulated voltage inside the product's enclosure.

CAUTION: To reduce the risk of electric shock, do not remove the cover. There are no user-serviceable parts inside; it is recommended that only qualified personnel service this component.





ALERT: The triangle with the exclamation point symbol on the component suggests that the owner refer to important operating and maintenance instructions in the owner's manual.

- 1. **OWNER'S MANUAL:** Before powering up the equipment, read all safety and operating instructions and follow them as instructed. Retain the safety and operating instructions for future reference.
- 2. ATTACHMENTS: Use only those attachments recommended by the unit manufacturer, as others may cause hazards.
- ACCESSORIES: Do not place the unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing
 injury to a person or damage to the unit. Mount the unit according to the manufacturer's instructions with the
 suggested mounting accessory.
- WALL OR CEILING MOUNTING: Mount the unit to a wall or ceiling only in the manner recommended by the manufacturer.
- 5. **WATER AND MOISTURE:** Do not use the unit near water (for example, near a swimming pool, bath tub, wash bowl, kitchen sink, or laundry tub) or in a damp environment (like a basement or outside in the rain).
- 6. **OBJECT AND LIQUID ENTRY:** Do not push objects of any kind into the unit through openings as they could touch dangerous voltage points and short-out parts, possibly resulting in a fire or electric shock. Avoid spilling liquid of any kind on the unit. If water or any metal object (such as a paper clip, coin, or staple) accidentally falls inside the unit, disconnect it from the AC power source immediately and contact Cary Audio Design for further instructions.
- 7. **HEAT:** Position the unit away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.
- 8. **VENTILATION:** Slots and openings in the cabinet create ventilation to protect the component from overheating. These openings on the top and bottom panels must remain unobstructed. Allow at least 6 inches (16cm) of clearance above the unit and an opening behind the unit for airflow. Do not place the unit on a bed, sofa, rug, built- in bookcase, or rack without adequate ventilation.
- 9. GROUNDING OR POLARIZATION: As a safety feature, the unit may be equipped with a polarized alternating current line plug in which one blade is wider than the other. This plug will fit into the power outlet only one way. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug still will not fit, contact a licensed electrician to update your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 10. **POWER SOURCES:** Operate the unit only from the power source indicated on the marking label. If you are unsure of the type of power supplied to your home, consult your unit dealer or local power company.
- 11. **POWER CORD PROTECTION:** Arrange power supply cords so that they do not suffer from foot traffic or pinching by items placed on or against them. Pay close attention to cords where plug enter the AC outlet and where they exit from the unit.
- 12. **LIGHTNING:** For added protection during a lightning storm or when the component is idle for long periods of time, unplug the unit from the wall outlet and disconnect the antenna or cable system. This will help protect the unit from lightning and power line surge damage.
- 13. **POWER LINES:** Do not locate an outside antenna system in the vicinity of overhead power lines or other electric light or power circuits. When installing an outside antenna system, take extreme care to avoid touching the power lines or circuits; contact with them could be fatal.
- 14. **OVERLOADING:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this increases the risk of fire or electric shock.
- 15. **REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or those having the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock or other hazards.
- 16. **SAFETY CHECK:** Upon completion of any service or repairs to the unit, ask the service technician to perform safety checks to ensure the unit is in proper operating condition.

IMPORTANT SAFETY INSTRUCTIONS

17. IMPORTANT SAFETY NOTE:

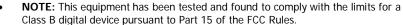
- Before connecting a new product such as the Cinema 12 to your audio or home theater system, turn off all
 other equipment (preferably unplugging them from the AC power source). Many audio components feature
 automatic turn-on circuits that may activate during an installation, potentially causing damage to electronic
 components and/or speakers. This type of damage is not covered by product warranties, and Cary Audio
 specifically disclaims responsibility for any such damage.
- Power Cord: The removable power cord provided with your unit was specifically designed for use with this product, but other AC cords may be used. Consult your dealer for advice on AC power cords and high quality wire in your system.



- AC Fuse: The fuse is located inside the chassis and is not user serviceable. If the unit does not power up, contact an authorized service representative
- Wiring: Cables running inside walls should have the appropriate markings to indicate compliance and listing
 by the UL, CSA or other standards required by the UL, CSA, NEC or your local building code. Questions
 about cables inside of walls should be referred to a qualified custom installer, a licensed electrician, or lowvoltage contractor.
- 18. **RECORDING COPYRIGHT:** Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.
- 19. **NOTE TO CATV SYSTEM INSTALLER:** This reminder is provided to call the CATV system installer's attention to article 820-40 of the NEC, ANSI/NFPA 70, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

20. FCC INFORMATION FOR USER:

 CAUTION: Any changes or modifications not expressly approved by Cary Audio Design could void the user's authority to operate the equipment.

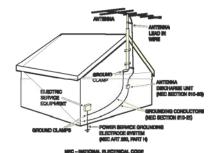




- These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy, and if not installed and used in accordance with the instructions it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from where the receiver is connected.

21. OUTDOOR ANTENNA INSTALLATION/SAFE ANTENNA AND CABLE CONNECTION:

- If an outside antenna or cable system is connected to the equipment, be sure the antenna or cable system is grounded in order to provide protection against built-up static charges and voltage surges. Article 810 of the National Electrical Code, ANSI/NFPA 70 (in Canada, Part 1 of the Canadian Electrical Code) provides information regarding proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.
- Outside antenna system should be located well away from power lines, electric light or power circuits and where it will never come into contact with these power sources if it should happen to fall. When installing an outside antenna, extreme care should be taken to avoid touching power lines, circuits or



other power sources as this could be fatal. Because of the hazards involved, antenna installation should be left to a professional.

WELCOME

THANK YOU

Congratulations on becoming a Cary Audio owner!

We, at Cary Audio, would like to thank you for purchasing our products.

Since its founding in 1989, Cary Audio has stayed at the forefront of home entertainment equipment by stubbornly adhering to the principles of quality and musicality upon which it was founded. It's not enough just to be able to build great sounding gear, but it needs to be well-made, reliable, and maintain its performance and value for many years. Cary Audio has certain criteria that have guided us since we began, and are still our primary focus.

We firmly believe in high performance products that offer incredible value for the money, backed by superior engineering and design, and supported by exceptional customer service. Whether a headphone amplifier or a world-class surround sound processor, Cary Audio uses the highest quality components available within the audio circuit, resulting in extraordinary sound quality. This is a well-known hallmark of all Cary Audio products.

As Cary Audio approaches a quarter-century of providing the best in sophisticated music systems, we remain committed to our goals of building the very best products, at real-world prices, and supporting them with world-class service. Let our passion for the very finest sound and picture quality help you better enjoy your music and movies! Thank you for your continued support!

The Cary Audio Team

SPECIFICATIONS

The following section describes the DAC-100 and DAC-100t's basic specifications. The specifications are subject to change without notice or obligation.

BASIC SPECIFICATIONS		
USB Processor	XMOS Asynchronous processing	
SP/DIF Input Receiver	Wolfson model #WM8805	
Digital to Analog Converters	2 X ESS Sabre ES9023	
Digital Inputs	5 selectable inputs – (2) coaxial (gold plated), (2) Toslink, (1) USB	
Analog Output	RCA analog output (gold plated) XLR Balanced	
Input Sample Rates Accepted*	44.1kHz, 48kHz, 88.2 kHz, 96kHz, 176.4kHz, 192kHz	
Bit Depths Accepted	16 - 24 bit, LPCM 2-ch audio stream	
Power Transformer	Toroidal transformer (Digital Supply) Toroidal transformer (Analog Supply)	
Dynamic Range	112dB	
Signal to Noise Ratio	109dB	
Noise and Hum	-101 dB below rated output	
Audio Output Level	2.0V RMS	
Frequency Response	20Hz – 22kHz	
AC Power Requirements	120 VAC @ 50/60 Hz 240 VAC @ 50/60 Hz	
Tube Compliment (DAC-100t)	2 – 6922 tubes	
Dimensions	15.5" L X 17.25" W X 3.5" H	
Weight	21 lbs.	

^{*}To achieve higher then 96kHz over Toslink requires that the Toslink transmitter of the digital source and Toslink cable both be compatible and capable of outputting greater than 96kHz. Many times, this is not the case. Please check with your digital source and Toslink cable documentation.

FEATURES

The following section describes the DAC-100 and DAC-100t's basic features. The features are subject to change without notice or obligation.

PRODUCT FEATURES

The Cary Audio DAC-100 & DAC-100t are made in the USA and designed to provide high-quality music reproduction from today's digital sources. All digital audio information needs to be turned back into analog to be handled by the amplifier and speakers/headphones so we can listen to it. Whether from a computer, handheld music players, cable or satellite boxes, disc players, or streaming from cloud-based storage, digital data streams suffer from distortions caused by jitter (timing errors in processing the digital information) and the poor quality of built-in digital converters. An outboard digital to analog converter (DAC) is the solution to these problems.

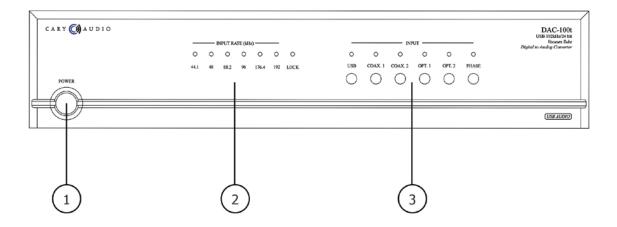
The heart of the DAC-100 and DAC-100t are two high current custom built toroidal transformers, one each for the digital and analog sections of the unit. We, at Cary Audio, understand the importance of a good power supply and have spared no expense in designing transformers that perform above their normal requirements. The separate analog transformer has a Faraday shield to reduce noise, and the audio circuits are designed to drive a wide variety of impedances to better match other associated equipment.

The audio output section, responsible for providing the actual musical signals, is based on proven Cary Audio designs for the best sound quality. The DAC-100 audio output uses high speed monolith buffers operated with non-global feedback to ensure optimum sound quality. The DAC-100t audio section consists of two (2) 6922 tubes operated in a non-global feedback configuration. In both cases, the audio section is fed with its own discreet low noise power supply. The digital bitstream is handled by a new front end designed in conjunction with one of the industry's acknowledged digital leaders. A Wolfson WM8805 chipset is used as the input receiver for the four (4) (2-coaxial and 2-Toslink) SPDIF digital audio inputs, as chosen by many of the finest DACs in the world. The USB input uses XMOS processing for asynchronous processing of USB computer based music, stripping away the computer's timing and replacing it with a much more accurate master clock for a more stable bitstream. It is able to handle multiple 24 bit/192kHz channels with extremely low latency, all at 500 MIPS.

Once the digital bitstream is managed it is sent to the digital to analog conversion section, comprised of two (2) ESS Sabre ES9023 24/192 DAC chipsets. These circuits accurately recreate the analog musical signals and send them to the buffered solid state (DAC-100) or vacuum tube (DAC-100t) analog output stages, and then out to the gold-plated RCA or XLR balanced outputs. All of these processes are designed to have no compromises in sound quality, and provide the very best musical reproduction in its price class.

CONTROLS AND DISPLAYS

FRONT PANEL



1. POWER

- Press once to turn the power ON. The power indicator will blink for thirty (30) seconds and then stay on, at which point the unit is ready to operate.
- Press again to turn the power OFF.

2. INPUT RATE

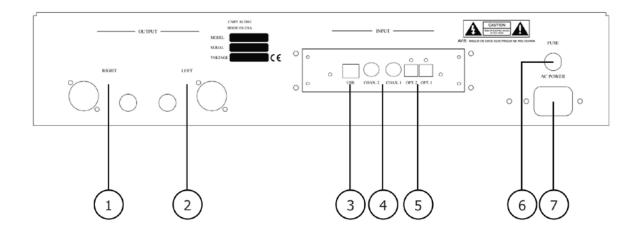
• These lamps will light to indicate the digital sample rate of the source being played. The LOCK lamp will light when the DAC-100 or DAC-100t has synced to the digital source.

3. INPUT

- These lamps will light to indicate the selected source.
- PHASE: Inverts phase 180 degrees when selected

CONTROLS AND DISPLAYS

REAR PANEL



1. RIGHT OUTPUTS

Right channel analog RCA and XLR outputs

2. LEFT OUTPUTS

• Left channel analog RCA and XLR outputs

3. USB INPUT

• USB input for computer (PC or Mac) connection

4. COAXIAL INPUTS

- Digital coaxial input 1
- Digital coaxial input 2

5. OPTICAL INPUTS

- Digital optical input 1
- Digital optical input 2

6. FUSE

7. AC POWER

• Attach the correct IEC power cord for country of use. This is supplied with the unit.

INSTALLATION

UNPACKING

This section describes the proper unpacking and installation procedures for your new component.

Unpacking

All Cary Audio shipping cartons have been specially designed to protect their contents and special care has been taken to prevent damage under normal shipping conditions. Mishandling should be evident upon inspection of the shipping container. If shipping damage is found after visual inspection, take care not to destroy the evidence. If necessary, document the damage with photographs and contact the transport carrier immediately.

Carefully remove your new component from its packing carton and examine it closely for signs of shipping damage. We strongly recommend saving all original packing cartons to protect your component from damage should you wish to store it or ship it at a later date.

In the Box

When unpacking your DAC-100 or DAC-100t, make sure the following accessories are included. You should find the following items within the box:

- Power Cable
- Spare Fuses
- Owner's Manual
- Warranty Card

WARRANTY CARD

IN THE USA: If you are the original purchaser of a new unit purchased from an authorized Cary Audio dealer, please fill out the enclosed warranty registration card and return it to Cary Audio within 15 days of your purchase. Cary Audio also suggests that you keep your original packing cartons in case you ever need to ship the unit. Warranty restrictions apply. Consult the warranty section at the end of this manual for details. Please be certain to keep a copy of the original sales receipt from your direct purchase from Cary Audio or your authorized Cary Audio dealer to validate the warranty if ever needed. The warranty is for the original purchaser only and does not transfer to any subsequent owner.

OUTSIDE THE USA: Your local authorized Cary Audio distributor will make his own warranty policy for your country. Please check with them for the terms of warranty for your new amplifier.

PLACEMENT

In general, the location of your new DAC-100 or DAC-100t is not critical. Certain precautions must be taken to ensure optimum performance. Avoid extremely hot locations such as near radiator or other heating units. Keep the top of the DAC-100 or DAC-100t clear of books, paper or other equipment to protect against overheating.

Operating this component is a simple procedure. Each unit is designed for long term stability in virtually any home operating situation. However, if the unit is operated outside the parameters outlined in this owner's manual, damage may result. Please read this manual carefully before putting your new component into operation.

Your new DAC-100 or DAC-100t is ready for operation after the AC power, input, and output cables have been installed into their proper locations. The DAC-100 or DAC-100t is provided with functional, useful front panel controls with a logical layout. The main AC power switch and input selector switch are conveniently located in the front.

CAUTION:

 Be sure that all connections between the DAC-100 or DAC-100t, amplifier, preamplifier, and speakers are connected correctly before attaching the power cord and powering on the unit.

AC POWER REQUIREMENTS

The DAC-100 and DAC-100t is designed to work from house current AC mains. The design voltage is 120V AC at 50/60Hz (foreign units 240V AC at 50/60Hz). Plug the provided AC power cable into the AC power jack on the rear panel of the unit.

SOURCE INPUTS

The DAC-100 and DAC-100t accepts five (5) digital inputs via the jacks on the rear panel. You can connect via USB (1), coaxial (2), or Toslink (2). If you have any questions concerning the cables you should use, please contact the Cary Audio service department for technical support.

ANALOG OUTPUTS

The DAC-100 and DAC-100t provides a buffered hi-performance line level audio section in either solid-state (DAC-100) or tube (DAC-100t). The DAC-100 uses four high speed monolithic non-feedback buffers and the DAC-100t uses two (2) 6922 premium tubes in non-feedback buffer. You can choose either RCA or balanced XLR via the jacks on the rear panel. Using shielded, high-quality interconnect cable is important to reduce the possibility of hum or interference.

POWER ON/OFF SWITCH

Turn on the DAC-100 or DAC-100t and wait for power LED to stop blinking after thirty (30) seconds. Turn on any other components making sure the appropriate input is selected on the preamplifier, and gradually turn up the volume control to a suitable and enjoyable level.

INPUT

One of the five (5) indicator LEDs will illuminate when an input has been selected. They indicate USB, coaxial, and Toslink. Simply press the button of the desired source for selection. Once selected, the corresponding LED will light up.

Phase

The Phase button when de-selected (LED not illuminate), means the audio's signal phase is normal as per the input source recording. When selected (LED illuminate) the signal's phase is inverted 180 degrees. Some recordings are recorded out of phase. This feature is useful in restoring a sense of timing and presence to the sound on some recordings. You can experiment with this feature to determine your preferred setting with your source recordings.

SAMPLE RATE

One of the 6 indicator LEDs will illuminate when locked onto a signal. They indicate 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz and 192kHz.

NOTE:

• Please read the specifications section for further clarification.

BREAK IN PERIOD

The components and other circuitry take approximately 100 hours of use to settle in for peak performance. The DAC-100 and DAC-100t will sound good right out of the box, but it will improve within a short time. After the first 50-100 hours, you will notice increased depth and tighter bass. This break-in period is characteristic of quality audio devices.

CONNECTING TO YOUR COMPUTER

The DAC-100 and DAC-100t offers state-of-the-art 24 bit/192kHz audio performance via its USB connection. Due to its sophisticated Asynchronous Streamlength™ Class 2.0 USB audio technology*, the USB input will yield the best possible sound. The powerful XMOS USB processor ensures a full-bodied cohesive musical presentation thanks to meticulous timing and a jitter free stream of data. When connecting a computer to the DAC-100 or DAC-100t, it is recommended to use a high quality USB cable for optimum performance. Please read the following sections on Macintosh and PC connections, as each is different.

COMPUTER AUDIO - USB, MAC & PC

The DAC-100 and DAC-100t accepts a USB digital input via the jack on the rear panel. When using a USB DAC such as the DAC-100 and DAC-100t, it is not recommended using an external USB hard drive. Doing so may overload the USB Buses. If you must use an external USB hard drive with the computer that is connected to the DAC-100 or DAC-100t, try setting the computers media player to Memory Mode. When using a MAC, a Thunderbolt or Firewire drive is recommended as an external drive. The rule of thumb is, do not use the same type of external drive (USB, Firewire, etc.) as is the DAC (USB in the DAC-100 and DAC-100t's case) for either MAC or PC.

NOTE:

 Do not "hot swap" USB devices while the DAC-100 or DAC-100t are turned on. This could damage the unit.

^{*}Streamlength™ is a trademark of Wavelength Audio.

MACINTOSH - USB

Open the System Preferences panel on your Mac. You will find it under the Apple menu at the top left of your desktop. Once open, you will see an icon labeled "Sound" on the second row. Click that icon to enter the audio setting area. From the three tabs at the top of the sound window, select "Output". Select "C-Media USB Headphone Set. "This is the driver that OSX uses for USB audio output. Selecting this device will route audio to your DAC-100 or DAC-100t using USB.

MACINTOSH - OPTICAL

If you plan to use an optical input connection, you will need a standard Toslink cable. On some Apple computers and devices (MacPro, Apple TV), this Toslink cable will plug directly into the optical port on the device. Some devices, like the Airport Express and Macbook computers, can connect optically but require a mini-plug adapter. Your local Apple store can help you with this adapter.

Selecting this input is much the same process as when using USB. Navigate to the "Sound" control panel as described above. Under "Output", you will see "Digital Output" as an option. Selecting this device will route audio to the DAC-100t using the optical digital connection.

MACINTOSH - AUDIO MIDI SETUP

Macintosh computers have a utility for adjusting how audio is handled on the computer. This utility is called Audio MIDI Setup and is located in the "Utilities" folder. Settings for default input and output devices are set here, as well as certain parameters for the device in use. To check or adjust the settings for the DAC-100 or DAC-100t, select "C-Media USB Headphone Set" from the "Properties For" menu when using a USB connection. On the right side of the window you will see details of the audio output settings of the DAC-100 or DAC-100t. Under this output section, you can adjust the output frequency from 44.1kHz to 48kHz. Adjustments to the bit depth of the audio can also be adjusted here from 16 to 24 bit.

PC CONNECTIONS

It is required you select a high performance media player, one that is capable of high resolution audio at various sampling rates for hi-resolution playback.

Prior to installing, be sure you have downloaded or copy the Streamlength v126s (or later) driver software from our website onto your desktop.

NOTE:

• When installing the Streamlength v126s driver software on some Windows 8 computers, Windows 8 may not recognize the installer for the driver. If this happens you must run the driver installation in compatibility mode.

- 1. With the *power* off, plug the USB cable into the back of the DAC-100 or DAC-100t.
- 2. Turn on your PC and let it fully boot up.
- 3. Turn on the DAC-100t.
- 4. Connect your USB cable from the DAC-100 or DAC-100t to the USB port on your PC.
- 5. Depending on your Windows operating system, it may attempt to search for and install a driver. If this happens, cancel it.
- 6. *Run the* **setup.exe** from the *Streamlength folder* you downloaded or copied onto your desktop and follow the instructions.

Once the driver finishes installing, do the following:

1. *Open* The Windows **Control Panel** and *double click* the **Sound** icon. Under the **Playback** tab, set the *Cary Audio USB Device (Speakers)* at **Default** and *click* **OK**.

If using Windows Media Player or iTunes for Windows (or any other non hi-resolution media player), you should *open* the **Properties** of the *Cary Audio USB Device (Speakers*) as in the above step. Once the **Speaker Properties** is open, *select* the **Advanced** tab. Click the drop down menu of the **Default Format** and *select* **24 bit, 441000** for bit perfect playback of Redbook format. Check off both boxes under **Exclusive Mode** and *click* **Apply**.

You are ready to use the DAC-100 or DAC-100t with your PC and chosen Media Player. However, some necessary setting must be taken into account within the media player. All media players are not alike, so please refer your media player's user guide as needed.

- Set the *output mode* of your media player to **WASAPI** (Event Style).
- Select the *output device* of your media player to **Cary Audio USB Interface Audio**.
- It is recommended that you set your media player to pass thru all DAC-100 or DAC-100t supported samples rates at native or unchanged. Unsupported sample rates can usually be set within the media player software to a default sample rate as manually chosen, or to allow for automatic down sampling of unsupported sampling rates.

NOTE:

You should familiarize yourself with all the features of your chosen media player software. Some settings may need to be adjusted depending on many factors. A common one is adjusting the buffering for playback. Many times, setting the buffer to on or max can result in better performance. If you hear a ticking or missing parts of the music, you may have to select a feature of your media player to flush the device buffer on startup and so on. Cary Audio is not responsible for your computer, media player or media player setting and the responsibility in knowing and understanding your computer and media players operations is the customer's responsibility.

SELECTING ADDITIONAL COAXIAL OR TOSLINK DIGITAL SOURCES

Both the coaxial and Toslink inputs are capable of 24 bit/192kHz* playback of hi-resolution as well as standard resolution audio files from a variety of digital sources such as, streaming devices, Internet radios, legacy CD or DVD players, docks, or any product that outputs digital data over coaxial or Toslink. Today, many products offer these types of outputs. Using a high quality DAC such as the DAC-100 and DAC-100t will enhance the performance of many of these devices. Check with your digital source's documentation to see if it is capable of outputting hi-resolution audio and at what bit depths and sampling rates.

^{*}Please read the specifications sections of this manual for sample rate compatibility.

SERVICE AND CARE

CARE AND CLEANING

The cabinet housing and front panel of the DAC-100 and DAC-100t may be cleaned with a soft cloth and Windex or a window cleaner. The frequency of cleaning will be governed by how many hours the DAC-100 or DAC-100t is operated and by operating environment cleanliness.

CAUTION:

• Do not let any liquids spill into the vents on top of the unit.

AC POWER FUSE REPLACEMENT

Never replace the fuse with any other value than a two (2) amp slow blow fuse, 250V for a unit configured to operate at 110V-120V AC. Never use any other value than a one (1) amp slow blow fuse, 250V for a unit configured to operate at 220V-240V AC. The AC Power Cord must be unplugged from the AC Power jack on the back of the unit prior to replacing the fuse. The AC power fuse is NOT in the IEC power socket on this model, but rather is a bayonet holder just above the power cord. Remove the fuse holder by twisting the holder counter-clockwise and pulling it straight out. Replace the fuse in the holder, push it into the socket and turn it clockwise until it stops. Set the unit Power On/Off switch to the Off position and plug the AC Power cord back into the AC Power jack. Then set the Power On/Off switch to the On position and verify proper operation. Contact Cary Audio for advice if the fuse repeatedly blows.

FACTORY SERVICE

Careful consideration has been given to the design of your DAC-100 or DAC-100t to keep maintenance problems to a minimum. Any problems or requests for service should be referred to our Customer Service Department at 919-355-0010. DO NOT return the DAC-100 or DAC-100t to the factory without a Return Merchandise Authorization (RMA) number from our online Customer Service Center (www.caryaudio.com/support/servicereturns).

Cary Audio will assume no responsibility if the shipping company refuses to pay for damage due to your improper packing or lack of insurance should the unit be lost or damaged in shipment. Please retain and always use the original shipping carton for shipping the player. Also, Cary Audio reserves the right to return products sent in for service in a new box set at the customer's expense if the original packing material was damaged in the initial shipment, or if it is deemed unsatisfactory to use in return shipping.

NON-WARRANTY REPAIRS

Cary Audio will provide repair service for its products charging on a time and expense basis. At this time, the standard non-warranty service bench fee is \$125 for the first hour and \$95 per hour thereafter. Parts used for repairs as well as return shipping are additional. This may change and is not a quote for service. Please call us at 919-355-0010 for more information about out-of-warranty service and repair fees.

CAUTION:

Never remove or insert the back panel AC plug when the unit is on or the AC cord is plugged into the wall.

SERVICE AND CARE

TUBE REPLACEMENT (DAC-100t)

The Cary Audio DAC-100t's tube circuit is designed to offer several years of performance under normal listening conditions. Please bear in mind that tube degradation is a slow and subtle process over time. As such, after several years of enjoyment one may not notice any significant difference in performance. Therefore, we recommend regularly scheduling tube replacement every two to three years or sooner if usage is heavy. Please follow the procedures below or log into Cary Audio's online Customer Service Center (www.caryaudio.com/support/servicereturns) for an RMA.

• Tube Replacement Procedure:

- Disconnect any attached connectors (AC power cord, and audio cables) from the unit.
- o Remove screws holding top cover.
- Remove tubes and replace them with the correct replacement tube (6922) being sure the pins are inserted correctly and the tubes are fully seated.
- Take care in handling the tubes properly minimizing any direct contact with your fingers. A soft, lint free glove or cloth works best.
- o Replace top cover and reinstall screws.

CAUTION:

• ALWAYS disconnect the unit from the AC outlet and power cord.

LIMITED WARRANTY

Cary Audio Warrants to the Original Purchaser for the Following Cary Audio Products for the Periods Indicated:

- 1. Power Amplifiers, Integrated Amplifiers, Surround Sound Processors, and Preamplifiers have a three (3) year parts and labor warranty from the date of the original purchase from Cary Audio.
- 2. CD or SACD players, DVD players, or Music Servers have an eighteen (18) month parts and labor warranty from the date of the original purchase from Cary Audio.
- 3. Vacuum tubes, if any are used in the component, are offered a 90-day exchange policy against defects with the exception of the 300B vacuum tube that has a one (1) year exchange policy from the date of the original purchase from Cary Audio.

What is Covered and What is Not Covered

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty:

- 1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
 - a. Accident, acts of nature, misuse, abuse, neglect or unauthorized product modifications
 - b. Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
 - c. Repair or attempted repair by anyone not authorized by Cary Audio to repair the product.
 - d. Any shipment of the product (claims must be presented to the carrier).
 - e. Any cause other than a product defect.
- 2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
- 3. Any product, on which the serial number has been defaced, modified or removed.
- 4. Batteries.
- 5. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.
- 6. Warranty is void if purchase was made from anyone other than an authorized Cary Audio dealer.

Who May Enforce the Warranty?

This warranty extends to products purchased directly from Cary Audio or an authorized Cary Audio dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

To obtain such warranty service, the original purchaser must complete and send in the Warranty Registration Card within 15 days of purchase.

LIMITED WARRANTY

What Will We Pay For?

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

How Can You Get Service?

In the event that the owner needs to return the unit to Cary Audio for service or repair of a possible defect, he must follow the following steps:

- Create a new account or login to our Customer Service Center (www.caryaudio.com/support/servicereturns) to obtain a Return Merchandise Authorization (RMA) number. Once the account is set up or you have logged in, click on "Open New RMA" to begin entering the information to create an RMA that is needed to return or exchange a product. You will be given an RMA number, which must appear on the label of the box you ship back.
- 2. Submit a copy of the original sales receipt; blank receipts will not validate the limited warranty for service by Cary Audio. The original sales receipt must contain the following information:
 - a. The authorized Cary Audio dealer's name
 - b. The date of purchase
 - c. The unit's sales price
 - d. The buyer's name and address
 - e. Describe in detail the problem.
 - f. Note the unit's model number and serial number.
- 3. Deliver by either of these methods:
 - With all freight and insurance charges prepaid and in its original packing container or equivalent, ship the component to Cary Audio, 1020 Goodworth Drive Apex, NC 27539.
 - b. Hand-deliver the product to Cary Audio (address noted above) or the nearest authorized service facility.

Limitation of Implied Warranties

All implied warranties, including warranties of merchantability and fitness for particular purchase, are limited in duration to the length of this warranty.

Exclusion of Damages

Cary Audio's liability for any defective product is limited to repair or replacement of the product at Cary Audio's option. Cary Audio shall not be liable for damage to other products caused by any defects in Cary Audio products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

LIMITED WARRANTY

How State Law Relates to the Warranty

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

International Purchasers (Export Markets)

Cary Audio warrants its merchandise to purchasers within the United States exclusively for use within the United States. It provides no other warranties, expressed or implied. If you are living outside of the United States, please consult your local dealer or distributor to determine the details of your local warranty.

CARY AUDIO DESIGN

1020 Goodworth Drive, Apex, NC 27539 phone 919-355-0010 fax 919-355-0013 www.caryaudio.com