

## FCC Notice “Declaration of Conformity Information”

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**WARNING:** Only peripherals complying with the FCC class B limits may be attached to this equipment.

Changes or modifications made to this equipment, not expressly approved by us or parties authorized by us could void the user’s authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## SAFETY INSTRUCTIONS

There are two categories of Safety Instructions included in this manual:

- Product Warnings, (i.e., what must never be done to assure avoiding those hazards that could cause bodily injury or property damage); and
- User Directions (i.e., what must always be done to assure the safe use of your device).

The Safety Instructions contained in this manual have been categorized in accordance with the seriousness of the potential hazards through the use of Signal Words. Those Signal Words, and their intended meanings, are as follows:

**DANGER:** Indicates that a failure to observe the Safety Instructions could result in death or catastrophic bodily injury.

**WARNING:** Indicates that a failure to observe the Safety Instructions could result in serious bodily injury.

**CAUTION:** Indicates that a failure to observe the Safety Instructions could result in minor bodily injury or property damage.

**NOTE:** Designates important information that relates to activities and/or conditions that might result in loss of data and/or damage to your device.

## Safe Use and Operation of Your Device

This equipment emits stray RF energy and will interfere with the reception of signals by airborne electronic navigational devices or medical devices. Do not operate this equipment near any sensitive medical devices.

**WARNING: Use only grounded AC power cords.**

Always immediately disconnect the power to the equipment in the event the device emits an unusual odor or sound or generates smoke.

**WARNING:** Never attempt to disassemble, repair or make any modification to your device. Disassembly, modification or any attempt at repair could cause bodily injury or property damage, as well as damage to the device itself.

**WARNING:** Your device is not a toy. Never allow children to play with your device. Misuse, rough or improper handling of your device by children could result in serious bodily injury for any of the enumerated safety warnings in this manual. In addition, always keep all accessories and components out of the reach of small children as small parts might present a choking hazard. Seek immediate medical attention if choking occurs or if any small part has been swallowed.

**CAUTION:** Never raise the sound volume level too high when using your device with earphones. An excessive sound volume level could cause damage to your hearing.

**WARNING:** To reduce the risk of fire or electric shock, do not expose the unit to moisture or water.

Do not allow foreign objects to get into the enclosure. If the unit is exposed to moisture, or a foreign object gets into the enclosure, immediately disconnect the power cord from the wall. Take the unit to a qualified service person for inspection and necessary repairs.

Read all the instructions before connecting or operating the component.

Keep this manual so you can refer to these safety instructions.

Heed all warnings and safety information in these instructions and on the product itself. Follow all operating instructions.

Do not use this unit near water.

You must allow a minimum 10 cm or 4 inches of unobstructed clearance around the unit. Do not place the unit on a bed, sofa, rug, or similar surface that could block the ventilation openings. If the unit is placed in a bookcase or cabinet, there must be ventilation of the cabinet to allow proper cooling. Keep the component away from radiators, heat registers, stoves, or any other appliance that produces heat.

The unit must be connected to a power supply only of the type and voltage specified on the rear panel.

Connect the component to the power outlet only with the supplied power supply cable or an exact equivalent. Do not modify the supplied cable.

Do not route the power cord where it will be crushed, pinched, bent, exposed to heat, or damaged in any way. Pay particular attention to the power cord at the plug and where the cord exits the back of the unit.

The power cord should be unplugged from the wall outlet during a lightning storm or if the unit is to be left unused for a long period of time.

Immediately stop using the component and have it inspected and/or serviced by a qualified service agency if:

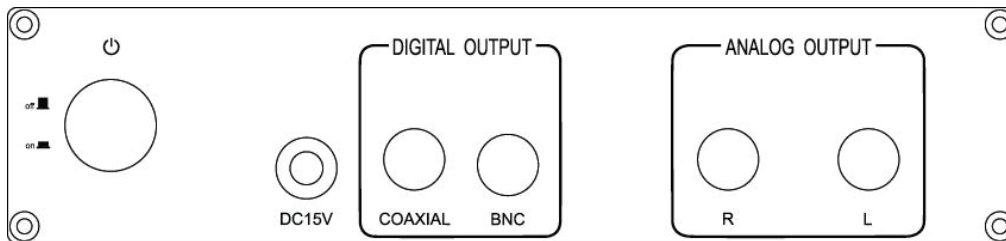
- The power supply cord or plug has been damaged.
- Objects have fallen or liquid has been spilled into the unit.
- The unit has been exposed to rain.
- The unit shows signs of improper operation.
- The unit has been dropped or damaged in any way.

Thank you for purchasing the NuForce CDP-8 CD Player. We are confident that you will be rewarded with some of the best CD sound you've ever heard. NuForce's CDP-8 employs a state-of-the-art optical drive system and powerful DSP-based decoder that permits implementation of all Red Book error-correction

capabilities -- a clear advantage over earlier decoding strategies. These advances further facilitate master-clock control of the entire decoding system, thus significantly lowering jitter. The transport runs at a single speed in order to minimize the impact of vibration and unbalanced discs. A high-performance DAC and sophisticated analog output circuit handle the final decoding.

As an attractive ergonomic feature, a touch-sensitive strip controls the CDP-8, thus avoiding the need for mechanical switches or push-buttons. The included remote integrates volume and input functions for use with NuForce's preamp and integrated amp.

**Connections**



Connect the supplied AC-to-DC adapter and turn on the power by depressing the ON button at the back of the unit. The ON button's outer white ring will light up.

**IMPORTANT:** The CDP-8 requires modest power. The supplied AC-to-DC adapter provides 15V. Maximum allowed input Vdc is 15V. Power supplies within the unit generate separate voltages for the DSP, control modules, and analog circuits. This arrangement allows for extensive isolation from line voltage. For example, the analog circuit is completely isolated from AC noise.

Since the player incorporates internal voltage regulation, higher adapter voltage will NOT provide better performance. To the contrary, exceeding 15V can damage the CDP-8's power supply.

Left and Right Audio Out: The CDP-8 employs fully balanced and differential output from the DAC. There is no capacitor in the signal path. Similarly, there is no volume control on the audio output.

S/PDIF output in RCA and BNC: The RCA and BNC connectors are fully isolated and can be used simultaneously. We recommend NuForce's Focused-Field BNC Digital Cable to obtain an extremely accurate S/PDIF signal for use with any high-performance DAC. The Nuforce DAC-9 will provide a BNC connection for a pure 75-ohm connection.

## Quick Setup Guide

Turn on the power by depressing the On/Off button at the back of the CDP-8. The power can be left on.

The CDP-8 is now in Standby Mode. The display at the right side of the CD drawer provides the time. The clock remains operative even if the power is disconnected.

When the CDP-8 is in Standby Mode the front panel's touch-sensitive strip is not lit.

Setting the time: Press the center of the unlit touch-sensitive strip for two seconds (where the Play button appears when the strip is lit) and then enter the time with the remote's numerical keypad. The CDP-8 supports 24-hour time only. For example, 10:00 PM is entered as 2, 2, 0, 0 and 8:15 AM as 0, 8, 1, 5. If there is no input beyond 10 seconds, the time setting is voided.

You can turn on the CDP-8 via the remote's ON button or the touch-sensitive strip. Simply touch the unlit strip at the left for 3 seconds where the Eject symbol appears when the strip is lit.

The touch-sensitive strip's functions are identical to those of the remote. Touching Play on the strip is the same as pressing the remote's Play button. This holds true for all the strip's standard CD symbols. Gently touching any of them will execute the CD-player function you want.



To repeat, when the CDP-8 is in Standby Mode, the touch-sensitive strip is unlit. If there is a CD in the tray, the display at the right side of the CD drawer will show 'o \_ \_ \_'. If there is no CD in the tray, or if the player is unable to read the CD, the display will blink '- - - -'. The CDP-8 does not recognize non-CD audio discs. If other than an audio CD is inserted, the display will show 'E r r'.

Eject: Opens and closes the CD drawer.

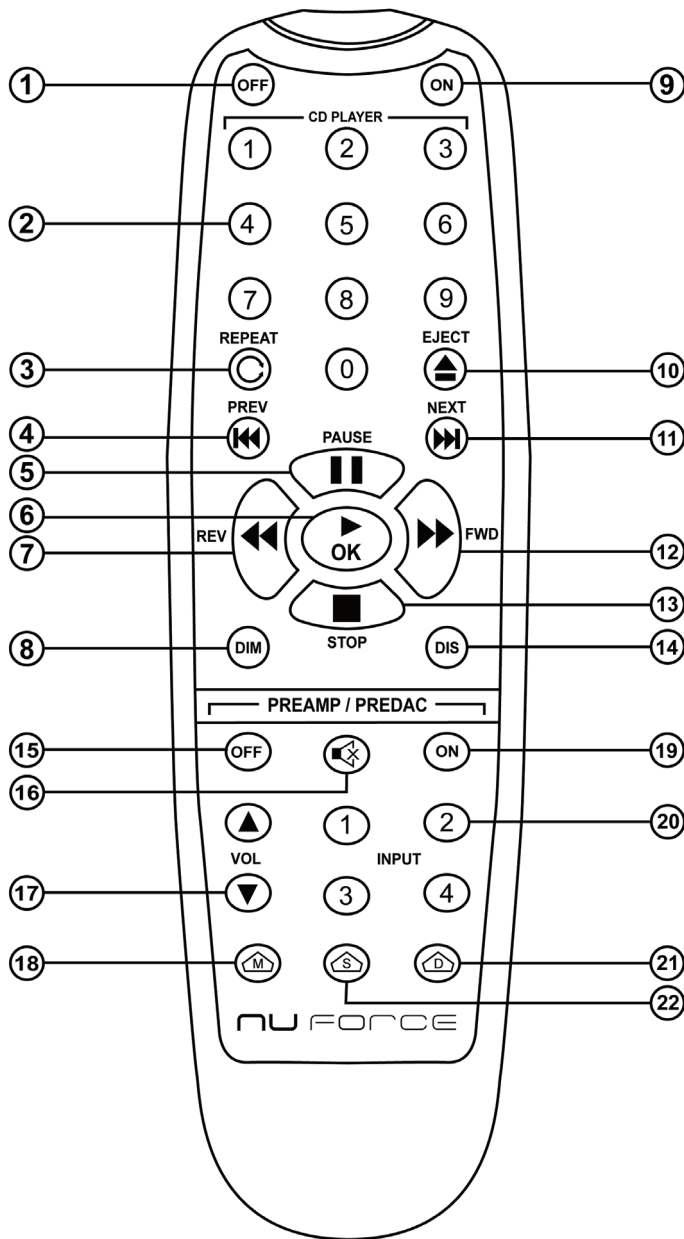
Previous Track: Pressing Previous Track within the first 6 seconds of listening to the current track cues the player to previous track. Pressing the button after 6 seconds will cue the player back to the beginning of the current track. After cueing to the first track, Previous Track goes to the last track on the CD.

Reverse and Forward: Press these buttons to reverse or search at 4x speed. Press Play to resume normal speed.

Next Track: Press Next Track to move to the next track. When the player reaches the disc's final track, Next Track returns the player to track 1.

Pause: Press Pause to pause play. The display will blink indicating that the player is in Pause mode. Press Play to resume play.

Stop: Press Stop to stop play.



## Remote Control

The CDP-8's Remote Control includes functions for controlling the NuForce P8 preamp, as well as an area that will control the NuForce DAC-9.

### CD Functions

1. **Off** button: Power Off.
2. **Number** buttons: for entering numeric values.

3. **Repeat**: Repeats Play.
4. **Prev** button: Skips to Previous.
5. **Pause** button: Pauses Playback.
6. **Play** button: Starts Playback
7. **Rev** button: Fast Reverses Play.
8. **DIM** button: Dims the front-panel display.
9. **On** button: Power On.
10. **Eject** button: Opens and closes the Disc Tray.
11. **Next** button: Skips to Next.
12. **Fwd** button: Fast-forwards Play.
13. **Stop** button: Stops Playback
14. **DIS** button: Display current playing track number for 3 seconds

**PREAMP Functions**

15. Off button: Power Off.
16. Mute button: Mutes Playback.
17. Volume button: Increases / decreases volume.
18. On button: Power On.
19. Input button: Toggles channels.

**DAC Functions**

20. M button: Mutes playback.
21. S button: Selects inputs.
22. D button: Dims front panel display

**Advanced CD functions**

**Repeat Mode** (can be executed only via remote)

Press the remote’s Repeat button once to activate Repeat Disc. A single lit dot on the LED will confirm that Repeat Disc is on (see illustration). Pressing Repeat again will activate Repeat Track. The dot will blink, confirming that Repeat Track is activated. Pressing the Repeat button again cancels the repeat function. The dot will disappear.



The Repeat Mode dot is next to 8

Repeat Disc ---→ Repeat Track -----→ Disable Repeat  
 ←-----

**Direct Track Access**

The numerical keypad allows for direct track access. For tracks 1 to 9, press 0 before the desired track number: 01, 02, 03, etc. Direct Track Access cannot access tracks beyond 99.

Using a 12-track CD as an example:

Entering 1 followed by 2 within a half-second will bring you to track 12.  
 If you enter 1 followed by 3, the player will ignore 3. If there is no additional keypad input within 3 seconds, the command will be ignored.

**Specifications:**

- Maximum output level: analog RCA, 2.7Vrms, 1kHz, 0dB, 16-bit
- S/PDIF output: RCA and BNC
- Frequency response: 20Hz-20kHz, @ +/- 0.3dB
- Signal/noise ratio: >100 dB.
- Crosstalk: <-110dB at 1kHz
- THD: 0.004% at 1kHz, 0dBFS, 16-bit signal
- Output impedance: 100 ohm
- Dimension: 8.5" x 14" x 1.8"
- Weight: 7 lbs

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FOR CONSUMERS, WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER PROTECTION LAWS AND REGULATIONS. THIS WARRANTY DOES NOT EXCLUDE, LIMIT OR SUSPEND ANY RIGHTS OF CONSUMERS ARISING OUT OF NONCONFORMITY WITH A SALES CONTRACT. SOME COUNTRIES, STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION MAY LAST, SO THE LIMITATIONS OR EXCLUSIONS DESCRIBED BELOW MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY BY COUNTRY, STATE OR PROVINCE. THIS LIMITED WARRANTY IS GOVERNED BY AND CONSTRUED UNDER THE LAWS OF THE COUNTRY IN WHICH THE PRODUCT PURCHASE TOOK PLACE.

**LIMITED WARRANTY**

For a period of THREE(3) YEAR from the date of retail purchase by the original end-user purchaser ("Warranty Period"), NuForce warrants (i) this product against defects in materials and workmanship, and (ii) that each Product, unmodified and under normal use and conditions, will substantially comply with NuForce' applicable written technical documentation for the Product. NuForce reserves the right to make substitutions and modifications from time to time in the specifications of Products sold by NuForce, provided that such substitutions or modifications do not materially affect overall Product performance.

If a hardware defect exists and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, Nuforce will (1) repair the hardware defect at no charge, using new or refurbished replacement parts, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product. Nuforce may request that you replace defective parts with user-installable new or refurbished parts that Nuforce provides in fulfillment of its warranty obligation. A replacement product/part assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Nuforce's property. When a refund is given, your product becomes Nuforce's property.

**OBTAINING WARRANTY SERVICE**

If you purchased the product in the U.S., deliver the product, at your expense, to any Nuforce Service Center located in the U.S. If you purchased the product outside of the U.S., deliver the product to any Nuforce Authorized Importer in the country where you purchased the product. Be aware, however, that not all countries have Nuforce Authorized Service Providers ("NASP") and not all Authorized Service Providers outside the country of purchase have all parts or replacement units for the product. If the product cannot be repaired or replaced in the country it is in, it may need to be sent to a different country or returned to the country of purchase at your expense for repair or replacement. If you seek service in a country that is not the country of original purchase, you will comply with all applicable import and export laws and regulations and be responsible for all custom duties, V.A.T. and other associated taxes and charges. Where international service is available, Nuforce may repair or exchange defective products and parts with comparable products and parts that comply with local standards. You can always deliver the product to NuForce's U.S. main service center for obtaining warranty service, however, you may have to pay for return shipping cost.

Nuforce may send you user-installable new or refurbished replacement product or parts to enable you to service or exchange your own product ("DIY Service"). Upon receipt of the replacement product or part, the original product or part becomes the property of Nuforce and you agree to follow instructions, including, if required, arranging the return of original product or part to Nuforce in a timely manner. When providing DIY Service requiring the return of the original product or part, Nuforce may require a credit card authorization as security for the retail price of the replacement product or part and applicable shipping costs. If you follow instructions, Nuforce will cancel the credit card authorization, so you will not be charged for the product or part and shipping costs. If you fail to return the replaced product or part as instructed or the replaced product or part is not eligible for warranty service, Nuforce will charge the credit card for the authorized amount.

**EXCLUSIONS AND LIMITATIONS**

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Important: Do not open the hardware product. Opening the hardware product may cause damage that is not covered by this warranty. Only Nuforce or a NASP should perform service on this hardware product.

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Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

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