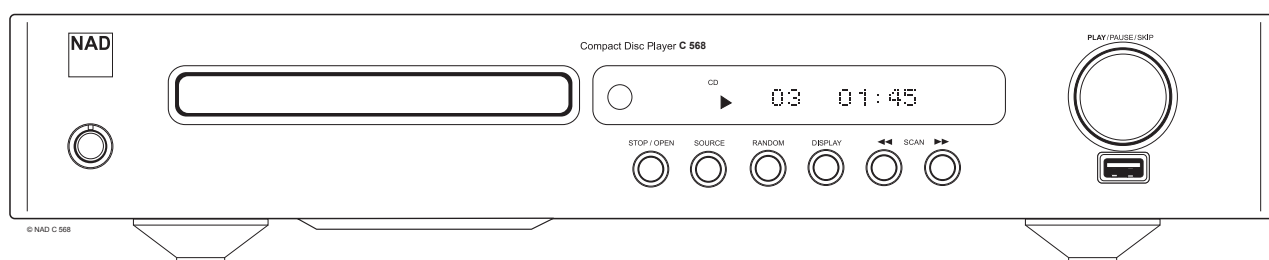




# C 568


## Compact Disc Player

ENGLISH



## Owner's Manual

# IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12  Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## CAUTION

USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

## ATTENTION

L'EMPLOI DE CONTRÔLE, AJUSTEMENTS OU MISE À L'ESSAI AUTRE QUE CEUX SPÉCIFIÉS PEUT PROVOQUER UNE EXPOSITION DANGÉREUSE À DES RADIATIONS.

## CAUTION

The C 568 employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location. Use of controls, adjustments or the performance of procedures other than those specified may result in exposure to laser radiation. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when the enclosure is opened.

## DO NOT STARE INTO BEAM.

## FCC NOTICE

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 generates, 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.

## FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## INDUSTRY CANADA REQUIREMENT

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAYBE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.



The socket-outlet shall be installed near the apparatus and shall be easily accessible.

TO COMPLETELY DISCONNECT THIS APPARATUS FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD FROM THE AC RECEPTACLE.

POUR DECONNECTER COMPLETEMENT L'APPAREIL DU RESEAU D'ALIMENTATION, DECONNECTER LE CORDON D'ALIMENTATION DE LA PRISE MURALE.

THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY ACCESSIBLE.

LA PRISE DU RESEAU D'ALIMENTATION DOIT DEMEURER AISEMENT ACCESSIBLE.

## CAUTION

Changes or modifications to this equipment not expressly approved by NAD Electronics for compliance could void the user's authority to operate this equipment.

## CAUTION REGARDING PLACEMENT

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) that is equal to or greater than shown below.

- Left and Right Panels: 10 cm
- Rear Panel: 10 cm
- Top Panel: 10 cm

No naked flame sources, such as lighted candles, should be placed on the apparatus.

This apparatus is for moderate climates areas use, not suitable for use in tropical climates countries.

## INFORMATION ABOUT COLLECTION AND DISPOSAL OF WASTE BATTERIES (DIRECTIVE 2006/66/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF EUROPEAN UNION) (FOR EUROPEAN CUSTOMERS ONLY)



Pb



Hg

Cd

Batteries bearing any of these symbols indicate that they should be treated as "separate collection" and not as municipal waste. It is encouraged that necessary measures are implemented to maximize the separate collection of waste batteries and to minimize the disposal of batteries as mixed municipal waste.

End-users are exhorted not to dispose waste batteries as unsorted municipal waste. In order

to achieve a high level of recycling waste batteries, discard waste batteries separately and properly through an accessible collection point in your vicinity. For more information about collection and recycling of waste batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

By ensuring compliance and conformance to proper disposal of waste batteries, potential hazardous effects on human health is prevented and the negative impact of batteries and waste batteries on the environment is minimized, thus contributing to the protection, preservation and quality improvement of the environment.

## NOTES ON ENVIRONMENTAL PROTECTION



At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's manual and packaging, point this out.

The materials can be reused in accordance with their markings. Through re-use, recycling of raw materials or other forms of recycling of old products, you are making an important contribution to the protection of our environment. Your local administrative office can advise you of the responsible waste disposal point.

## WARNING!

Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

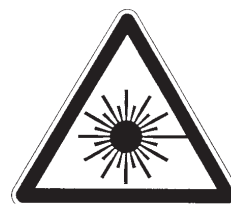
**NOTE: THE C 568 IS NOT AN AUTO VOLTAGE CD PLAYER. CONNECT ONLY TO THE PRESCRIBED AC OUTLET, I.E., 120V 60HZ OR 230V 50HZ.**

## RECORD YOUR MODEL NUMBER (NOW, WHILE YOU CAN SEE IT)

The model and serial number of your new C 568 are located on the back of the cabinet. For your future convenience, we suggest that you record these numbers here:

Model no. : .....

Serial no. : .....



THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

LE PRESENT APPAREIL NUMERIQUE N'EMET PAS DE BRUITS RADIOELECTRIQUES DEPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMERIQUES DE LA CLASSE B PRESCRITES DANS LE REGLEMENT SUR LE BROUILLAGE RADIO ELECTRIQUE EDCITE PAR LE MINISTRE DES COMMUNICATIONS DU CANADA.

**WARNING!** INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

**VORSICHT!** UNSICHTBARE LASERSTRAHLEN TRITT AUS, WENN DECKEL GEÖffnet und wenn sicherheitsverriegelung Überbrückt ist. Nicht dem strahl aussetzen.

**ADVARSEL** - USYNLIG LASERSTRÄLNING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UND GÅ UDSÆTTELSE FOR STRÄLNING.

**ADVARSEL** - USYNLIG LASERSTRÄLNING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÄLEN.

**VARNING** - OSYNLIG LASERSTRÄLNING NÅR DENNA DEL ÅR ÖPPNAD OCH SPÄRRAR ÅR URKOPPLADE. STRÄLEN ÅR FARLIG.

**VARO!** - AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNNÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.

# INTRODUCTION

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### THANK YOU FOR CHOOSING NAD.

The C 568 CD Player is a technologically advanced and highly capable product — yet we have invested great effort in making it simple and easy to use. We have been careful to ensure that the C 568 is as musically transparent and spatially accurate as possible, incorporating much of what we've learned from over three decades of experience designing audio, video and home-theater components. As with all our products, NAD's "Music First" design philosophy guided the C 568's design in such a way that it can confidently promise you state-of-the-art audiophile-quality music listening for years to come.

We encourage you to take a few minutes now to read right through this manual. Investing a little time here at the outset might save you a good deal of time later, and is by far the best way to ensure that you make the most of your investment in the C 568.

For warranty information contact your local distributor.

**NAD SHALL NOT BE HELD LIABLE FOR ANY TECHNICAL OR USER INTERFACE DISCREPANCIES IN THIS MANUAL. THE C 568 OWNER'S MANUAL MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. CHECK OUT THE NAD WEBSITE FOR THE LATEST VERSION OF THE C 568 OWNER'S MANUAL.**

**UNPACKING AND SETUP****WHAT'S IN THE BOX**

Packed with your C 568 you will find:

- An audio cable connector
- The CD 9 remote control with two AA batteries
- A detachable AC power cord
- Quick Setup Guide

**SAVE THE PACKAGING**

Please save the box and all of the packaging in which your C 568 arrived. Should you move or otherwise need to transport your C 568, this is by far the safest container in which to do so. We've seen too many otherwise perfect components damaged in transit for lack of a proper shipping carton, so please: Save that box!

**CHOOSING A LOCATION**

Choose a location that is well ventilated (with at least several inches to both sides and behind), and that will provide a clear line of sight, within 23 feet/7 meters, between the C 568's front panel and your primary listening/viewing position. This will ensure reliable infrared remote control communications. The C 568 generates a modest amount of heat, but nothing that should trouble adjacent components. It is perfectly possible to stack the C 568 on top of other components.

**NOTE ON INSTALLATION**

IMPORTANT! Install the C 568 Compact Disc player on a level, vibration-free surface. Severe vibration or operation in a tilted position may cause the player to mis-track. The player may be stacked with other stereo components, as long as there is adequate ventilation around it. If the C 568 is placed in close proximity to a radio tuner (AM or FM), a VCR or a television set, the operation of its digital circuits may produce static that would interfere with reception of weak broadcast signals. If this occurs, move the C 568 away from other devices or switch it off when viewing or listening to broadcasts.

**QUICK START**

In case you simply cannot wait to experience the performance of your new NAD C 568, we provide the following "Quick Start" instructions to get you underway.

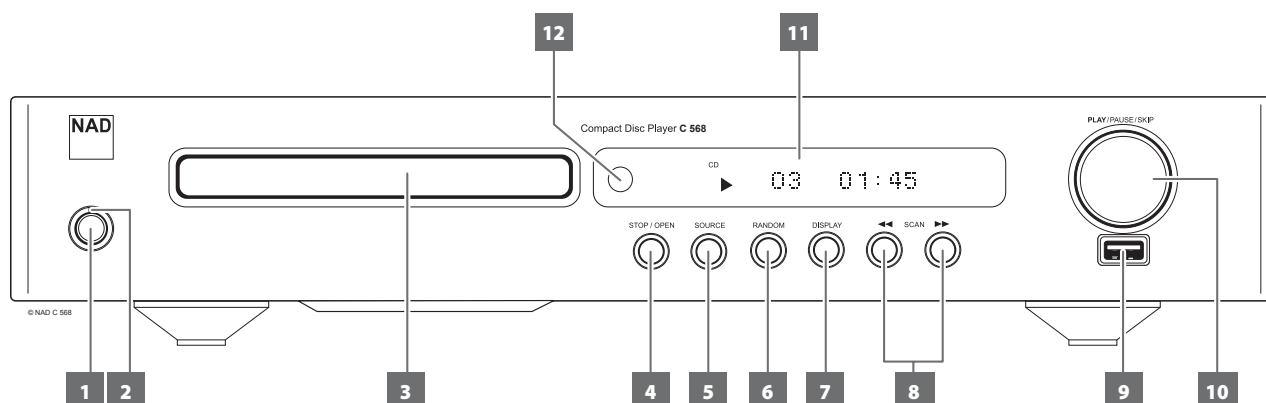
Please make all the connections to your C 568 with the unit unplugged. It is also advisable to power down or unplug all associated components while making or breaking any signal or AC power connections.

**PLAY A CD**

- 1 Connect a twin RCA-to-RCA lead from the L (left) and R (right) Line Output jacks to the corresponding CD inputs on your amplifier.
- 2 Connect the AC cord to the C 568's AC Mains input and then plug into an AC outlet. The Standby LED indicator embedded around the bezel of the STANDBY button will illuminate amber.
- 3 Press the STANDBY button to turn ON the player. The Standby LED indicator will turn from amber to blue and illuminate the Vacuum Fluorescent Display (VFD).
- 4 Press [STOP/OPEN] to open the disc drawer.
- 5 Place a CD, label side up, in the tray's circular recess. Be certain that the disc is centered within the recess.
- 6 Press [PLAY/PAUSE/SKIP]. The drawer closes automatically, and the disc begins to play.
- 7 At any time you may rotate the [PLAY/PAUSE/SKIP] knob to select different tracks on the disc.
- 8 Press [PLAY/PAUSE/SKIP] if you want to stop play temporarily while keeping the pickup at its current position on the disc. Press [PLAY/PAUSE/SKIP] again when you want to resume playback. Press [STOP/OPEN] if you want to end play and reset the pickup to the beginning of the disc.

# IDENTIFICATION OF CONTROLS

## FRONT PANEL



- 1 STANDBY BUTTON:** Press this button to switch ON the C 568. The Standby LED indicator will turn from amber to blue and illuminate the Vacuum Fluorescent Display (VFD). Pressing the Standby button again turns the unit back to standby mode.

The C 568 can also be switched ON from standby mode by pressing [PLAY/PAUSE/SKIP] knob on the front panel. Pressing CD 9's [ON], [▲] or [▶] buttons will also wake up the C 568 from standby mode.

If the disc tray is open and the Standby button is pressed, the disc tray will draw close and the C 568 goes to standby mode.

### NOTE

*The C 568 will wake up from standby mode at the same SOURCE setting it was in prior to being switched OFF to standby mode.*

### AUTO STANDBY

Auto Standby feature is an integral feature of C 568 that conforms to ecodesign regulations. Auto standby mode can be enabled or disabled by the following steps.

#### Enable Auto Standby mode

At operating mode, press and hold together front panel's RANDOM button and PLAY knob until the display shows "AutoStdby ON".

#### Disable Auto Standby mode

At operating mode, press and hold together front panel's RANDOM button and PLAY knob until the display shows "AutoStdby OFF".

### CONDITIONS FOR AUTO STANDBY

With auto standby enabled, the C 568 will automatically go to standby mode under the following conditions:

Condition	Period of no user interface interaction
No disc	15 minutes
No USB	15 minutes
Stop mode	15 minutes
Pause mode	30 minutes

- 2 STANDBY LED:** This indicator will light up amber when the C 568 is at standby mode. When the C 568 is at ON state, this indicator will illuminate blue.

- 3 DISC TRAY:** With the disc tray open, insert a CD or other compatible media disc face down onto the tray. Place the disc in the drawer, centered in the smaller circular recess, with its label facing UP.

"No Disc" appears on the C 568's VFD if the disc is placed upside down or there is no disc loaded.

### NOTE

*This player is not designed to accommodate neither a "damping disc" placed on a CD nor two CDs stacked together. It plays audio CDs, but not discs identified as CD-V, DVD, CD-I, CD-ROM or PHOTO CD. Refer also to the item "CD-R AND CD-RW AUDIO DISCS" at the "USING THE C 568 – CD MODE" section of the "OPERATION" page.*

- 4 STOP/OPEN:** This dual-function button alternates between stopping playback and opening/closing the disc tray. Press this button to open and close the disc tray. Pressing this button during disc playback will cause the C 568 to stop playback; press again to open the disc tray.

Press [STOP/OPEN] button once to stop playback and re-set the pickup to the beginning of the disc. The display reverts to showing the number of tracks and total playing time on the disc; for WMA/MP3 files, the display will revert to total number of files. If the C 568 was programmed to play a selection of tracks, the program will be retained in the player's memory. Pressing [STOP/OPEN] twice at program mode will delete the program.

Repeat and Random playback mode can be disengaged by pressing the [STOP/OPEN] button.

Pressing the [STOP/OPEN] button will also switch ON the C 568 from standby mode.

- 5 SOURCE:** Toggle this button to select through the following SOURCE modes - CD and USB. A corresponding icon (CD or USB) will illuminate in the VFD as the applicable SOURCE is selected or comes up during selection.

- 6 RANDOM:** This button when pressed will engage or disengage random playback mode. When engaged (a corresponding "RANDOM" icon is illuminated in the VFD), random playback of tracks or files will begin by pressing [PLAY/PAUSE/SKIP] from STOP mode or rotating [PLAY/PAUSE/SKIP] during playback mode. Press [RANDOM] again to return to normal playback ("RANDOM" icon in the VFD is extinguished). Random playback mode can also be disengaged by pressing [STOP/OPEN] button.

The Random playback mode can be used in combination with the Repeat Play All mode but not with Program playback mode.

- 7 DISPLAY:** Toggle to display the following disc information during playback

INFORMATION	AUDIO CD	CD TEXT	MP3/WMA
Elapsed playback time of the current track	✓	✓	-
Remaining playback time of the current track	✓	✓	-
Running total playback time of the disc	✓	✓	-
Remaining playback time of the disc	✓	✓	-
Song title	-	✓	✓
Artist name	-	✓	✓
Album name	-	✓	✓
File name	-	-	✓
Elapsed time of the current file	-	-	✓
File number of the current file with respect to the total number of files under the current folder	-	-	✓

#### NOTES

- Some information may not be displayed on some discs. Display is dependent on the disc's information content.
- If the file has no available information about the song title, artist or album, the display will show "NO TITLE", "NO ARTIST" or "NO ALBUM".

- 8 SCAN [◀◀/▶▶]:** Press and hold [◀◀/▶▶] for more than 2 seconds to search up or down a track/file. The SCAN [◀◀] button causes the optical pickup to scan backwards through the recording at high speed. The SCAN [▶▶] button causes the optical pickup to scan rapidly forward through the music.

- 9 USB INPUT:** Connect a USB device into this input.

- 10 PLAY/PAUSE/SKIP:** This control knob has three functions – PLAY, PAUSE and SKIP [◀◀/▶▶].

**PLAY/PAUSE:** Press this knob to toggle between Play and Pause of a CD or other compatible media disc. Press to start play or resume play after Pause. The icon "▶" is illuminated in the VFD indicating the C 568 is in playback mode. If the disc tray is open, press this button to automatically close the tray and start playback if a disc is loaded.

During playback, press this button to stop playback temporarily, keeping the optical pickup at its current position on the disc. The icon "⏸" is illuminated in the VFD indicating the C 568 is in pause mode. To resume playback at the exact point where it stopped, press [PLAY/PAUSE/SKIP] again.

**SKIP [◀◀/▶▶]:** Rotate this knob clockwise to SKIP forward a track/file. Rotate it counterclockwise to SKIP backward to the beginning of the current track/file or previous track/file.

- 11 VFD:** The Vacuum Fluorescent Display (VFD) provides playback information, settings and other indicators.

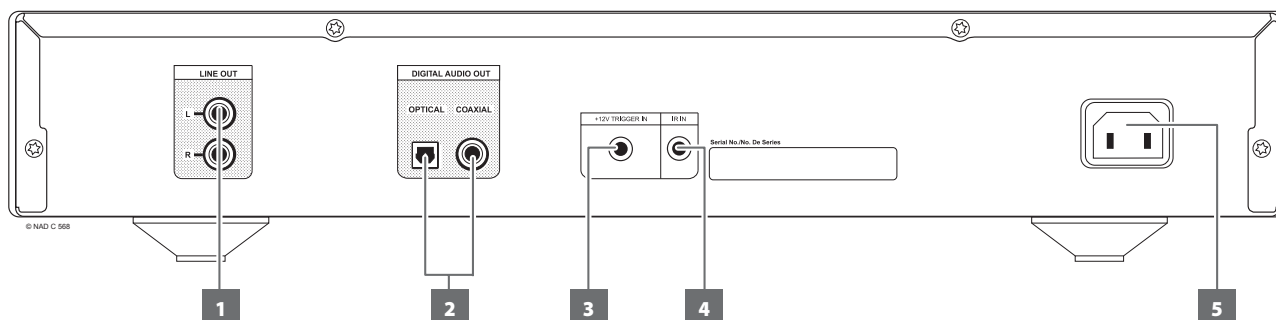
- 12 REMOTE SENSOR:** Point the CD 9 at the remote sensor and press the buttons. Do not expose the remote sensor of the CD 9 to a strong light source such as direct sunlight or illumination. If you do so, you may not be able to operate the C 568 with the remote control.

**Distance:** About 23ft (7m) from the front of the remote sensor.

**Angle:** About 30° in each direction of the front of the remote sensor.

# IDENTIFICATION OF CONTROLS

## REAR PANEL



### ATTENTION!

*Please make all the connections to your C 568 with the unit unplugged. It is also advisable to power down or unplug all associated components while making or breaking any signal or AC power connections.*

- 1 LINE OUT:** Connect to the corresponding analog audio input of an amplifier, receiver or stereo system.
- 2 DIGITAL OUT (COAXIAL, OPTICAL):** The digital playback audio output signal is available at these ports. Connect the optical or coaxial digital OUT ports to the corresponding S/PDIF digital input of an amplifier, receiver, computer soundcard or other digital processors.
- 3 +12V TRIGGER IN:** This input allows the C 568 to be switched remotely to standby and ON by ancillary equipment, such as an amplifier, preamp, AV processor, etc. The controlling device must be equipped with a 12 V trigger output to use this feature. Connect this +12V-trigger input to the remote component's corresponding +12V DC output jack using a mono cable with 3.5mm male plug.
- 4 IR IN:** This input is connected to the output of an IR (infrared) repeater (Xantech or similar) or the IR output of another component to allow control of the C 568 from a remote location.
- 5 AC MAINS INPUT:** The C 568 comes supplied with a separate AC Mains cable. Before connecting the cable to a live wall socket ensure that it is firmly connected to the C 568's AC Mains input socket first. Always disconnect the AC Mains cable plug from the live wall socket first, before disconnecting the cable from the C 568's Mains input socket.

### WARNING

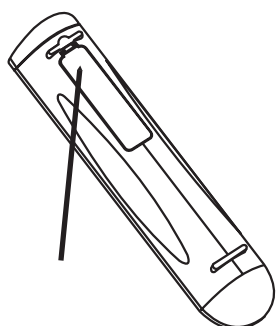
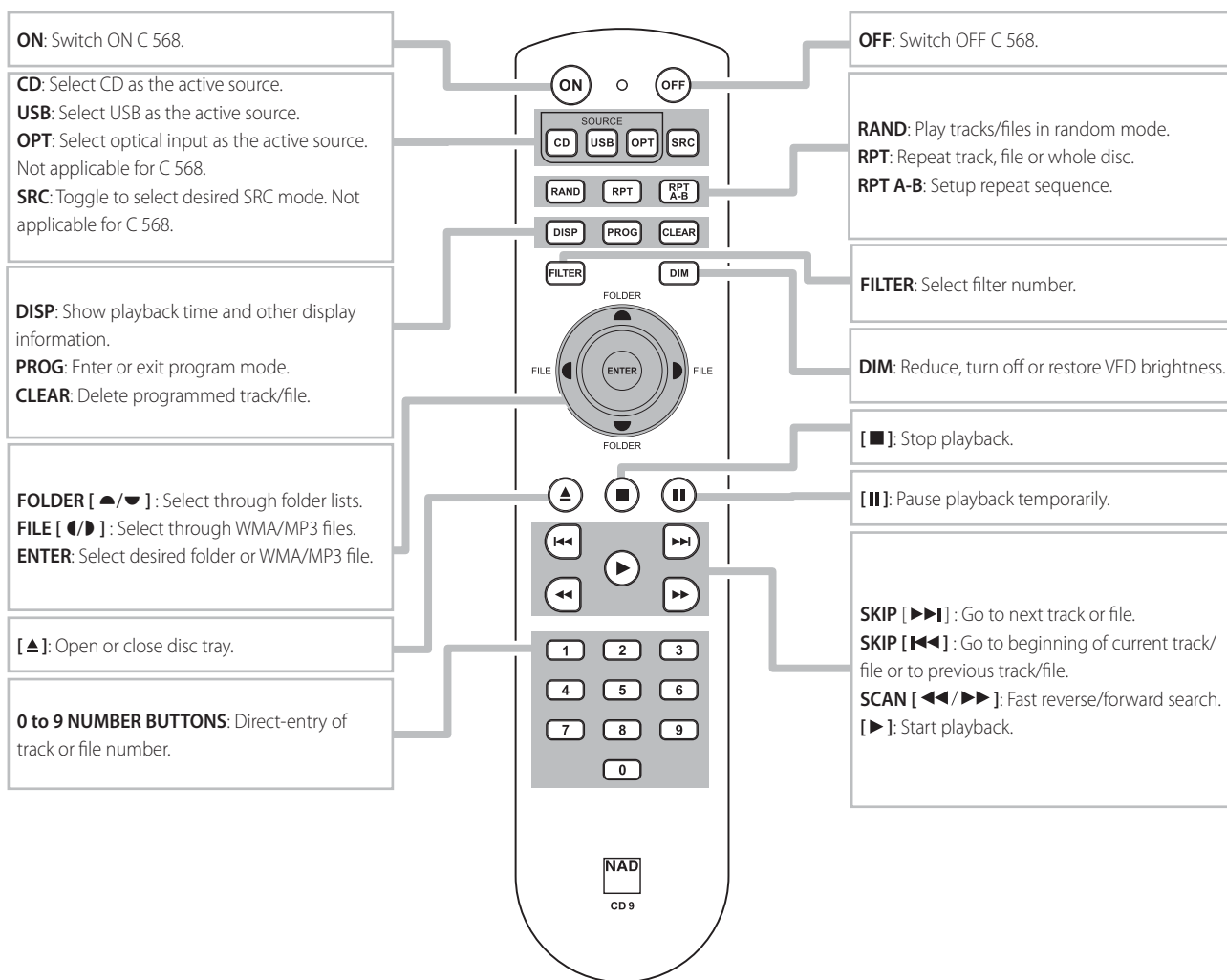
*If the male plug of the mono cable (with or without +12V DC) is connected to C 568's +12V TRIGGER IN, the Standby button in the front panel as well as the corresponding ON/OFF function keys in the remote control will be disabled. Unplug the mono cable to maintain normal power ON/OFF function procedures.*



# IDENTIFICATION OF CONTROLS

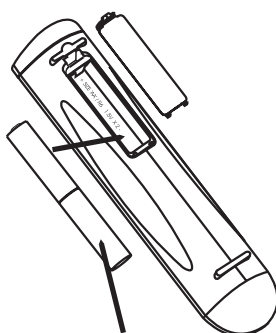
## CD 9 REMOTE CONTROL

ENGLISH

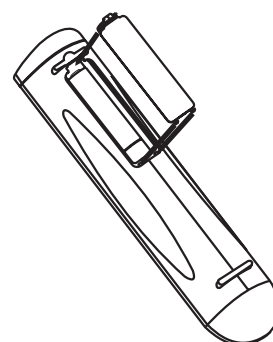


### BATTERY ASSEMBLY

Press in and lift tab to remove battery cover out of recess.



Press batteries into opening. Ensure correct fitting is observed.



Replace battery cover by aligning and inserting the two tabs into the holes. Press battery cover into place until it "clicks" closed.

# OPERATION

## USING THE C 568 – CD MODE

### CD-R AND CD-RW AUDIO DISCS

The C 568 can play back CD-R or CD-RW audio discs that have been recorded on a computer or CD recorder. The quality of CD-R or CD-RW audio discs varies widely which may affect playability. Some factors that affect playability:

- The quality of the disc itself. Generally speaking, CD-R or CD-RW blanks from well-renowned companies give better results than unbranded ones.
- The quality of CD-recorder or computer CD re/writer. Some recorders and writers produce better results than others.
- The CD-R and CD-RW were created with high-speed writing. In general, the quality of a CD-R or CD-RW is better when produced at a lower speed against a higher speed on the same recorder or re/writer.

### PLAYING MP3/WMA FILES

The C 568 can play MP3/WMA formatted recordings on CD-R or CD-RW discs. You may mix any of the file types on the disc. Using the CD 9 remote control, one can select through the MP3/WMA folders and files as well as start playback through the following steps

- 1 Load the applicable disc.
- 2 Press [FOLDER ▲/▼] to select desired folder. Press [ENTER].
- 3 Press [FILE ◀/▶] to select desired file number. Press [ENTER] to start playback.

### NOTES

- *The file number is recognized per disc, not per folder – that is, the number assigned to each file corresponds to their sequence in the disc.*
- *If you want to select file number "119" in a disc where there are 100 or more MP3/WMA files, press "1" twice and then "9."*

### IMPORTANT NOTICE

*Customers should note that permission is required in order to download MP3/WMA files and music from the Internet. NAD ELECTRONICS INTERNATIONAL has no right to grant such permission. Permission should always be sought from the copyright owner.*

### PROGRAMMING

The program function enables you to store your favorite tracks from any disc in the player memory. When programming a sequence of tracks, the C 568 must be in STOP mode. Using the CD 9 remote control, enter your desired program sequence through the following steps

- 1 Press [PROG] button of CD 9 remote control. The display indicates "P00 T000". The "000" in the "T000" keeps on blinking, meaning the player is awaiting the first Program entry.
- 2 Use the Direct-Entry numeric keypad buttons to enter the first track in your planned sequence. For example, press "5" to enter track number 5. Upon entering the track number, the VFD will show "P01 T005" with "005" of "T005" blinking 3 times.
- 3 The display will revert to show "P02 T000", indicating that the player is ready for your second program entry. For example, press "8" to enter track number 8. Upon entering the second track, the VFD will show "P02 T008" with "008" of "T008" blinking 3 times.
- 4 Repeat steps 2 and 3 to select and store other track numbers in memory, up to a maximum of 40 entries.
  - For programming of CD tracks:  
When you reach P40, the three blinking digits will keep on flashing and won't stop. This is unlike the previous 39 entries wherein after an entry blinked thrice, it moves on to the next program number/entry.
  - For programming of files:  
If you attempt to program more than 40 tracks or files, "P-FULL" will be displayed in the VFD.
- 5 Press [PROG] to end or finalize the program – the VFD will show the last programmed number and track.
- 6 Press [▶] to start playback of the first programmed track. Rotate [PLAY/PAUSE/SKIP] if you wish to SKIP forward/backward the programmed tracks.

### NOTES

- *If you want to select file number "119" in a disc where there are 100 or more MP3/WMA files, press "1" twice and then "9."*
- *Pressing [■] key at any time during the programming procedure will put to a STOP to the sequence and clear all the currently programmed tracks or files. VFD will revert back to displaying the total number of tracks and total playback time for audio CD and total number of files for MP3/WMA.*
- *Pressing [■] key twice during program playback will result to having the whole program list deleted.*

### REVIEW/EDIT PROGRAM LIST

- 1 Initiate review of your programmed entries by pressing [PROG].
  - If you are still in programming mode, press [PROG].
  - If during program playback, press [■] once, then [PROG].
- 2 The VFD will show the first Program Number and the corresponding "blinking" programmed track.
- 3 To change the programmed track of a particular sequence, use the Direct-Entry numeric keypad buttons. Press [◀/▶] to move forward or backward the programmed tracks as well as review the list and change if so desired.
- 4 If you want to delete a particular program sequence during program review, press [CLEAR] key.

**Example:** Delete "P34 T067" from a total of 40 program entries (display) "P34 T067" → [CLEAR] → (display) "P34 T000" ("000" blinking) → enter desired track/song number to replace T067 or press [PROG] to finalize deletion process

If [PROG] is pressed without entering a new track/song number, the total 40 program entries will be reduced to 39 entries. The program sequence will adjust accordingly starting from the deleted program number.

- 5 After finalizing your program changes or completing your review, press [PROG] again.

### PROGRAM PLAYBACK

- 1 To play the stored program, press [▶] while you are in "PROGRAM" mode. "PROG" icon will appear in the display, indicating that a stored program is being played. During Program Play, the SKIP buttons will access only the tracks in the program list.
- 2 If you want to play only a portion of a stored program, initiate play and press SKIP to jump over the programmed tracks that you don't want to hear.

### STOP OR DELETE PROGRAM

- 1 To terminate Program play, press [■] once. The stored track list remains in memory. If you want to play the program again, simply press [▶].
- 2 To clear the program memory, perform any of the following steps
  - Press [■] twice during program playback.
  - Press [▲] to open the disc tray.
  - Switch OFF the C 568 by pressing the Standby button.
  - Switch to another source other than CD mode by pressing front panel's [SOURCE] button or [USB] source button in CD 9.

The C 568 can play back MP3/WMA files stored in external USB (Universal Serial Bus) devices. The following are the C 568's capabilities with respect to USB device playability.

USB SUPPLEMENTARY INFORMATION	
Maximum number of folders supported	255
Maximum file in one folder	255
Maximum file in device	65535
Maximum number of sub-directory	8
Maximum number of bytes supported for Folder/File name	64
Maximum number of bytes supported for ID3 Title/Artist/Album	60
Maximum bit rate supported	VBR, 320K
HDD handling capacity (additional power adapter maybe required for some HDD models)	FAT 16/32
USB version supported	2.0

### LISTENING TO USB DEVICE

- 1 Toggle [SOURCE] button to select "USB" mode. If no external USB device is connected to the front panel's USB input, "No USB" will be displayed in the VFD. If there are no applicable MP3/WMA files available in the external USB, the VFD will show "USB Empty".
- 2 Plug-in the external USB device to the USB input – "USB Reading" will be blinking in the VFD and then the total number of files will be displayed.
- 3 Press [▶] to start playback.

### SELECTING DIRECTORIES OR FILES

The following are the steps on how to select a desired directory and MP3 or WMA file at stop mode.

- 1 Connect the external USB device to the front panel's USB input. Toggle [SOURCE] button to select "USB" mode.
- 2 Press [FOLDER ▲/▼] to select desired folder. Press [ENTER].
- 3 Press [FILE ◀/▶] to select desired file number.
- 4 Press [ENTER] to start playback. Toggle CD 9's [DISP] button to show information about the current file. [Refer also to the item about DISPLAY at the FRONT PANEL section of the IDENTIFICATION OF CONTROLS page.](#)

### NOTE

*Do not disconnect the USB flash drive during playback. It may cause damage to the C 568.*

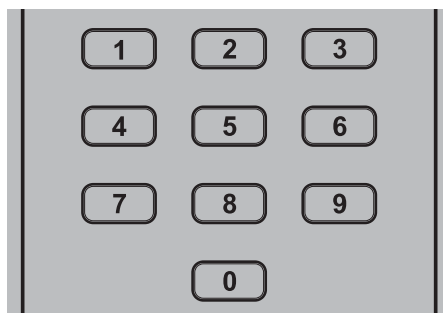
## OPERATION

### USING THE C 568 – CD 9 REMOTE CONTROL

The CD 9 remote control is provided with your C 568 Compact Disc Player to enable you to operate playback functions from the comfort of your chair or from virtually anywhere in the room. For reliable operation, there should be a clear line-of-sight path from the remote control to the front of the CD player. If the player does not respond to remote commands, it may be that this line-of-sight path is obstructed by clothing, paper or furnishings.

Most of the buttons on the remote control handset have the same effect as the corresponding buttons on the front panel of the player. In addition, the handset is equipped with some extra buttons like the following function keys.

#### NUMERIC KEY PAD



Using the direct-entry numeric keypad (0 to 9) causes the C 568 to jump directly to the beginning of a numbered track and commence play. Thus, to play Track 5, simply press "5". To play Track 20, press "2" and "0".

#### REPEAT



A particular track or file can be repeatedly played back by pressing [RPT] button. Toggle this button to repeat a track/file, folder, all tracks or all files. Corresponding icons like REPEAT, REPEAT FOLDER, or REPEAT ALL will be illuminated in the VFD as the particular repeat mode is selected. Turn off repeat mode by pressing the REPEAT button until the REPEAT icon is extinguished in the VFD.

#### RPT A-B



To repeat a sequence, implement the following procedures:

- 1 Press [RPT A-B] at your chosen starting point. "REPEAT A ↔ B" is illuminated in the VFD with "B" blinking.
- 2 Press [RPT A-B] again at your chosen end point. "REPEAT A ↔ B" stay illuminated. The repeat sequence begins.
- 3 Press [RPT A-B] again to cancel the sequence.

#### DIM



Toggle to reduce, turn off and restore VFD brightness.

#### PROGRAM AND CLEAR



Use [PROG] button to start, review, edit or exit programming mode. In combination with [PROG] button, the [CLEAR] button allows the deletion of a programmed track during program review or edit sequence. [Refer also to the item about "PROGRAMMING" at the "USING THE C 568 – CD MODE" section of the "OPERATION" page.](#)

### FILTER



The C 568 offers five unique digital filtering options dedicated to the achievement of a better audio experience. These selectable filters allow users the flexibility to choose key characteristics that affect frequency response and time domain characteristics.

Before describing these five digital filters, please take time to read the following brief definitions of some of the terminologies used in their descriptions.

- **Passband** is the range of frequencies or wavelengths that can pass through a filter without being attenuated.
- A **stopband** filter rejects frequencies within a band and letting through frequencies outside it.
- **Group delay** is the transit time of a signal through a device versus frequency.
- **Rolloff** is a term used to describe the steepness or slope of the filter response in the transition region from the passband to the stopband.
- **Ripple** refers to fluctuations in the passband or stopband of a filter's frequency magnitude response curve. It is the periodic oscillation in the passband near the inflection point of the filter (the point where the passband meets the stopband).

The following is a brief description of each filter's characteristics. The selection of filter number is basically a matter of personal choice; tailor the audio conversion by selecting the filter number that will best suit your desired listening experience.

**Filter 1:** Slow roll off filter that has low group delay, low ripple and wide stopband characteristics.

**Filter 2:** Medium roll off filter that has high group delay, low ripple and medium stopband characteristics.

**Filter 3:** Fast roll off filter that has lower group delay and wider stopband characteristics.

**Filter 4:** Medium roll off filter that has higher group delay and narrower stopband characteristics.

**Filter 5:** Medium roll off filter that has lower group delay and wider stopband characteristics.

### NOTE

*The filter effect applies only to the analog output; it is not applicable to the digital outputs.*

## REFERENCE

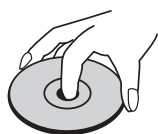
### TROUBLESHOOTING

CONDITION	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
No power.	<ul style="list-style-type: none"> <li>The power cord is disconnected.</li> </ul>	<ul style="list-style-type: none"> <li>Plug the power cord into the wall outlet securely.</li> </ul>
The power is ON, but the C 568 does not work.	<ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc.</li> </ul>
The C 568 does not start playback.	<ul style="list-style-type: none"> <li>The disc is loaded upside down.</li> </ul>	<ul style="list-style-type: none"> <li>Reload the disc with the label side UP.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is too dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
No sound.	<ul style="list-style-type: none"> <li>The equipment connected with the audio cable is not set to receive CD signal output.</li> </ul>	<ul style="list-style-type: none"> <li>Select the correct input mode of the audio receiver so you can listen to the sound from the C 568.</li> </ul>
	<ul style="list-style-type: none"> <li>The power of the equipment connected with the audio cable is turned off.</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the equipment connected with the audio cable.</li> </ul>
Sound skips.	<ul style="list-style-type: none"> <li>The C 568 is subject to vibration or physical shock from external sources.</li> </ul>	<ul style="list-style-type: none"> <li>Change the installation location.</li> </ul>
The C 568 cannot be switched to standby mode.	<ul style="list-style-type: none"> <li>A mono plug is plugged-in at the +12V TRIGGER IN port of the rear panel.</li> </ul>	<ul style="list-style-type: none"> <li>Unplug the mono plug.</li> </ul>
The remote control does not work properly.	<ul style="list-style-type: none"> <li>The remote control is not pointed at the remote sensor on the CD player.</li> </ul>	<ul style="list-style-type: none"> <li>Point the remote control at the remote sensor of the CD player.</li> </ul>
	<ul style="list-style-type: none"> <li>The remote control is too far from the CD player.</li> </ul>	<ul style="list-style-type: none"> <li>Operate the remote control closer to the CD player.</li> </ul>
	<ul style="list-style-type: none"> <li>The remote control batteries are dead.</li> </ul>	<ul style="list-style-type: none"> <li>Replace the remote control batteries.</li> </ul>

### NOTES ON DISCS

#### HANDLING DISCS

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

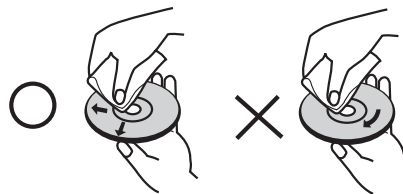


#### STORING DISCS

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

#### CLEANING DISCS

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out.



Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.

### GENERAL PARAMETERS

Output level	Analog: $2.2 \pm 0.1$ V
	Optical: $-22.5 \pm 3.5$ dBm
	Coaxial: $650 \pm 150$ mV
Frequency response	$\pm 0.3$ dB (ref. 0 dB 20 Hz-1 kHz)
	$\pm 0.5$ dB (ref. 0 dB 5 kHz-20 kHz)
Total harmonic distortion	$<0.01\%$ (ref. 1 kHz, Audio LPF)
Signal/Noise ratio	118 dB (ref. 1 kHz, A-weighted LPF Stop, Pause)
Channel balance	$\pm 0.5$ dB (ref. 0dB 1kHz)
Dynamic range	95 dB
Channel separation	$>90$ dB
De-emphasis	-3.73 to -5.33 dB (ref. 0dB 1 kHz, 5 kHz)
	-8.04 to -10.04 dB (ref. 0dB 1 kHz, 16 kHz)
Linearity	$\pm 0.01$ dB (ref. 0dB 1 kHz at -3 dB)
	$\pm 0.02$ dB (ref. 0dB 1 kHz at -6 dB)
	$\pm 0.02$ dB (ref. 0dB 1 kHz at -10 dB)
	$\pm 0.05$ dB (ref. 0dB 1 kHz at -20 dB)
Standby power	$\pm 0.15$ dB (ref. 0dB 1 kHz at -60 dB)
	$<0.5$ W

### USB

Output level	$2.2 \pm 0.2$ V
Frequency response	$\pm 1$ dB (ref. 0 dB 20 Hz - 16 kHz)
Total harmonic distortion	$<0.03\%$ (ref. 0 dB 1 kHz, Audio LPF)
Signal/Noise ratio	118 dB (ref. 0 dB 1 kHz, A-weighted Pause)

### DIMENSION AND WEIGHT

Unit Dimensions (W x H x D)	435 x 306 x 80 mm (Gross)*
	17 <sup>1</sup> / <sub>8</sub> x 12 <sup>11</sup> / <sub>16</sub> x 3 <sup>3</sup> / <sub>16</sub> inches
Net weight	4.9 kg
	10.8 lbs
Shipping weight	6.3 kg
	13.9 lbs

\* - Gross dimensions include feet, extended buttons and rear panel terminals.

Specifications are subject to change without notice. For updated documentation and features, please log onto [www.NADelectronics.com](http://www.NADelectronics.com) for the latest information about C 568.



**[www.NADelectronics.com](http://www.NADelectronics.com)**

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C568\_ENG\_OM\_V06 - NOV 2016

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