NAD®

T 758

AV Surround Sound Receiver

Source 1
Volume: -20dB

Owner's Manual

# IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS FOR LATER USE.

FOLLOW ALL WARNINGS AND INSTRUCTIONS MARKED ON THE AUDIO EQUIPMENT.

1 **Read instructions** - All the safety and operating instructions should be read before the product is operated.

2 **Retain instructions** - The safety and operating instructions should be retained for future reference.

3 **Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.

4 **Follow Instructions** - All operating and use instructions should be followed.

5 **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Clean only with a dry cloth.

6 **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7 **Water and Moisture** - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8 **Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9 A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

10 **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11 **Power Sources** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. The primary method of isolating the amplifier from the mains supply is to disconnect the mains plug. Ensure that the mains plug remains accessible at all times. Unplug the AC power cord from the AC outlet if the unit will not be used for several months or more.

12 **Grounding or Polarization** - This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13 **Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14 **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to 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.

NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC 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.
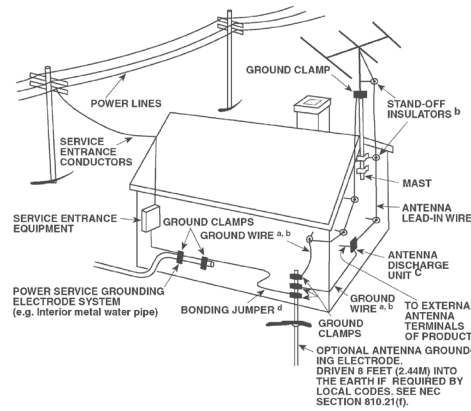
15 **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.

16 **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17 **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

18 **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

WARNING: THE APPARATUS SHOULD NOT BE EXPOSED TO DRIPPING OR SPLASHING, AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THE APPARATUS. AS WITH ANY ELECTRONIC PRODUCTS, USE CARE NOT TO SPILL LIQUIDS INTO ANY PART OF THE SYSTEM. LIQUIDS CAN CAUSE A FAILURE AND/OR A FIRE HAZARD.

19 **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

 a) When the power supply cord or plug is damaged.
 b) If liquid has been spilled, or objects have fallen into the product.
 c) If the product has been exposed to rain or water.
 d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 e) If the product has been dropped or damaged in any way.
 f) when the product exhibits a distinct change in performance-this indicates a need for service.

20 **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

21 **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

ENGLISH

22 **Wall or Ceiling Mounting** - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

23 **Heat** - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

24 **Headphones** - Excessive sound pressure form earphones and headphones can cause hearing loss.

25 **Battery Disposal** - When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area. Batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

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.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THE EQUIPMENT MUST BE CONNECTED TO AN EARTHED MAINS SOCKET-OUTLET.

The disconnect device of the apparatus is its mains plug. Cut off power to the apparatus by disconnecting its mains plug from the mains outlet.

The mains plug of the apparatus should be easily accessible or free from any obstruction during intended use.

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

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.

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)

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.

Pb

Hg **Cd**
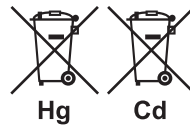
End-users are exhorted not to dispose waste batteries as unsorted municipal waste. In order to achieve a high level of recycling waste batteries, discard waste batteries separately and properly through an accessible collection point in your vicinity. For more information about collection and recycling 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.

NOTE: THE T 758 IS NOT AN AUTO VOLTAGE UNIT. CONNECT ONLY TO THE PRESCRIBED AC OUTLET, I.E., 120V 60HZ OR 230V 50HZ.

WARNING: DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD

The remote control supplied with this product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from the children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside a part of the body, seek immediate medical attention.

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

The model and serial number of your new T 758 are located on the back of the cabinet. For your future convenience, we suggest that you record these numbers here:

Model no: . . . .
Serial no.: . . . .

INTRODUCTION

TABLE OF CONTENTS

THANK YOU FOR CHOOSING NAD.

The T 758 AV Surround Sound Receiver is a technologically advanced and highly capable product yet we have invested great effort in making it simple and easy to use. The T 758 delivers a range of genuinely useful options for surround sound and stereo listening alike, using powerful digital signal processing and superbly accurate digital-audio circuitry. However, we have also been careful to ensure that the T 758 is as musically transparent, faithful to every video detail 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 T 758's design, such that it can confidently promise you both state-of-the-art surround home-theater and 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 T 758, and get the most from this powerful and flexible home-theater component.

For warranty information contact your local distributor.

NAD SHALL NOT BE HELD LIABLE FOR ANY TECHNICAL OR USER INTERFACE DISCREPANCIES IN THIS MANUAL.
THE T 758 OWNER'S MANUAL MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE. CHECK OUT THE NAD WEBSITE FOR THE LATEST VERSION OF THE T 758 OWNER'S MANUAL.

WHAT'S IN THE BOX

Packed with your T 758 you will find
- Quick Setup Guide
- BluOS Kit containing USB Hub, Wi-Fi Dongle, Bluetooth USB Micro Adapter and USB to USB Cable Extender
- AVR 4 remote control with 2 AA batteries
- BluOS-Ready Flyer/Bluesound player
- ZR 7 zone remote control with 3V CR2025 battery
- Measurement microphone with USB Mic adapter and phone jack adapter

SAVE THE PACKAGING

Please save the box and all of the packaging in which your T 758 arrived. Should you move or otherwise need to transport your T 758, 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!

INITIAL SETUP

Before you make the first connection to your T 758, you should have the arrangement of your listening room/home theater components and furniture mapped out, at least initially. Unfortunately, a discussion of the vital questions of loudspeaker placement and listening/viewing positions is beyond our scope here.

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 25 feet/8 meters, between the T 758's front panel and your primary listening/viewing position - this will ensure reliable infrared remote control communications. The T 758 generates a modest amount of heat, but nothing that should trouble adjacent components. It is especially important that sufficient ventilation be provided.

DEFAULT SOURCE SETTINGS

The following table lists the default SOURCE settings. Note that the Audio input settings show both digital and analog audio input. Digital input will always take precedence over analog audio input even if both are present.

Source	Audio Input	Video Input
Source 1	HDMI 1 / Audio 1	HDMI 1
Source 2	HDMI 2 / Audio 2	HDMI 2
Source 3	HDMI 3 / Audio 3	HDMI 3
Source 6	BluOS	Off
Source 7	7.1 Channel Input	Off
Front Input	Optical Front Input/ Audio Front Input	Off
Media Player	Audio Front MP	

To modify the above default settings and for a better understanding of source setting and combinations, please refer to the item about "SOURCE SETUP" in the "USING THE T 758 - SETUP MENU" segment of the "OPERATION" section.

IDENTIFICATION OF CONTROLS

FRONT PANEL
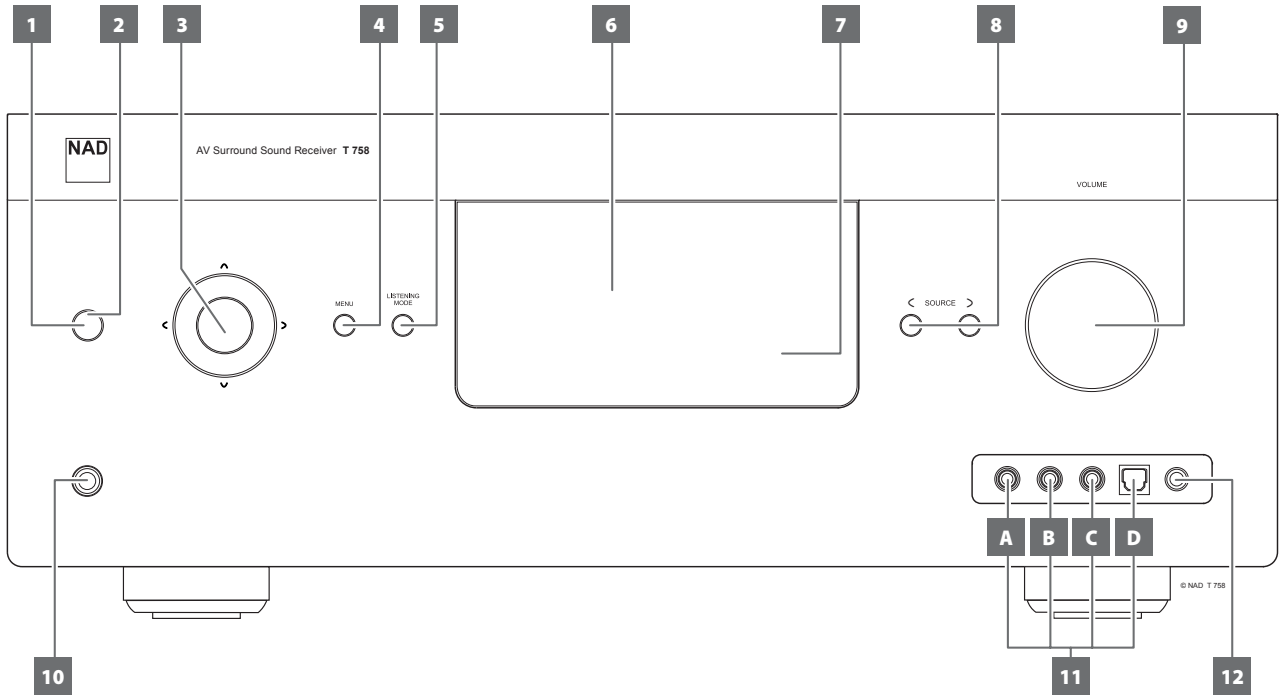
1 STANDBY BUTTON
- Press this button to switch ON the T 758 from standby mode. The Standby LED indicator will turn from amber to blue and illuminate the VFD. Pressing the STANDBY button again turns the unit back to standby mode.
- The T 758 can also be switched ON from standby mode by pressing any of the front panel buttons.

2 STANDBY LED
- This indicator will light up amber when the T 758 is at standby mode.
- When the T 758 is powered up from standby mode, this indicator will illuminate blue.
- If Zone 2 is still ON and STANDBY button is pressed to switch the T 758 to standby mode, the VFD will be extinguished but the STANDBY LED remains illuminated blue. This indicates that Zone 2 is still active. In order to completely shut down the T 758 together with Zone 2, press and hold STANDBY button until the STANDBY LED turns amber.

3 NAVIGATION and ENTER BUTTONS
The navigation [</>/∧/∨] and [ENTER] buttons have various applications specific to given modes. The middle round button designated as [ENTER] button; this is normally pressed to complete a selection, procedure, sequence or other applicable functions.

AM/FM mode
Toggle [ENTER] button to switch between "Tune" and "Preset" mode. Select "Tune" mode.
- Pressing momentarily the [</>] button will manually scan the AM or FM band.
- Press and hold [</>]for more than 2 seconds to search up or down; the T 758's tuner will stop at the next sufficiently strong signal it encounters.
- Note that this function "wraps" - that is, it will continue to search from one end of the AM or FM band to the other until it stops at a strong signal.

Toggle [ENTER] button to switch between "Tune" and "Preset" mode. Select "Preset" mode.
- Use [∧/∨] to step up or down AM/FM Presets. Unused presets are skipped over. Note that Presets must have been previously stored.

Refer also to the item about STORING PRESETS (AM/FM/DAB) at the LISTENING TO AM/FM RADIO section of the OPERATION page.

DAB mode (230V version model only)
- Use front panel [</>] and [ENTER] buttons in combination with [MENU] button to select through applicable DAB menu options.

4 MENU
- Press to activate or deactivate OSD menu.

5 LISTENING MODE
- Toggle to select through the various Listening mode options.
- Depending on the format of the currently selected input (digital or analog, stereo or multichannel), various listening modes are available.
- Refer also to the item about LISTENING MODE under the USING THE T 758 - MAIN MENU segment of the OPERATION section.

6 VACUUM FLUORESCENT DISPLAY (VFD)

- Displays visual information about the current settings like the active Source, volume level, listening mode, audio format and other related indicators.
- Refer also to the item about DISPLAY SETUP under the USING THE T 758 - SETUP MENU segment of the OPERATION section.

7 REMOTE SENSOR

- Point the AVR 4 remote control at the remote sensor and press the buttons.
- Do not expose the remote sensor of the T 758 to a strong light source such as direct sunlight or illumination. If you do so, you may not be able to operate the T 758 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.

8 ⟨ SOURCE ⟩

- Toggle through the input selections - Source 1, Source 2, Source 3, Source 7, Front Input and Media Player. More Sources can be directly recalled upon enabling them at the Setup Menu.
- Refer also to the item about SOURCE SETUP under the USING THE T 758 - SETUP MENU segment of the OPERATION section.

9 VOLUME

- The VOLUME control adjusts the overall loudness of the signal being fed to the loudspeakers or headphones.
- Turn clockwise to increase the volume level; counter clockwise to lower it.

10 PHONES

- Accepts stereo headphone using a standard 1/4-inch stereo phone plug (use a suitable adaptor for headphones equipped with a smaller plug).
- Plugging in headphones automatically mutes output from the speakers.
- For headphone listening, the Front speakers must be set to "Large" at the "Speaker Configuration" of the Speaker Setup item at the Setup Menu; otherwise headphone bass response will be restricted.
- Plugging in headphones will automatically switch the T 758 to Stereo, Stereo Downmix or Analog Bypass modes.

11 FRONT INPUT PORTS

- Use these convenience jacks for occasional sources such as a camcorder, video game console, any analog audio or optical digital audio sources and composite video sources.
- If your source has two output jacks indicative of stereo output, insert both jacks into the T 758's corresponding Front "L" (item A) and "R (MONO)" input to achieve stereo output as well.
- On the other hand, if your source has a single audio out jack only or is marked "Mono output", plug this into the T 758's Front "R (MONO)" input (item B).
- Connect composite video output source to the front composite video input (item C).
- Use the front optical audio input (item D) for optical digital audio sources.

12 FRONT MP/MIC INPUT

- Connect your Media Player's standard stereo phone jack to this input.

IDENTIFICATION OF CONTROLS

REAR PANEL
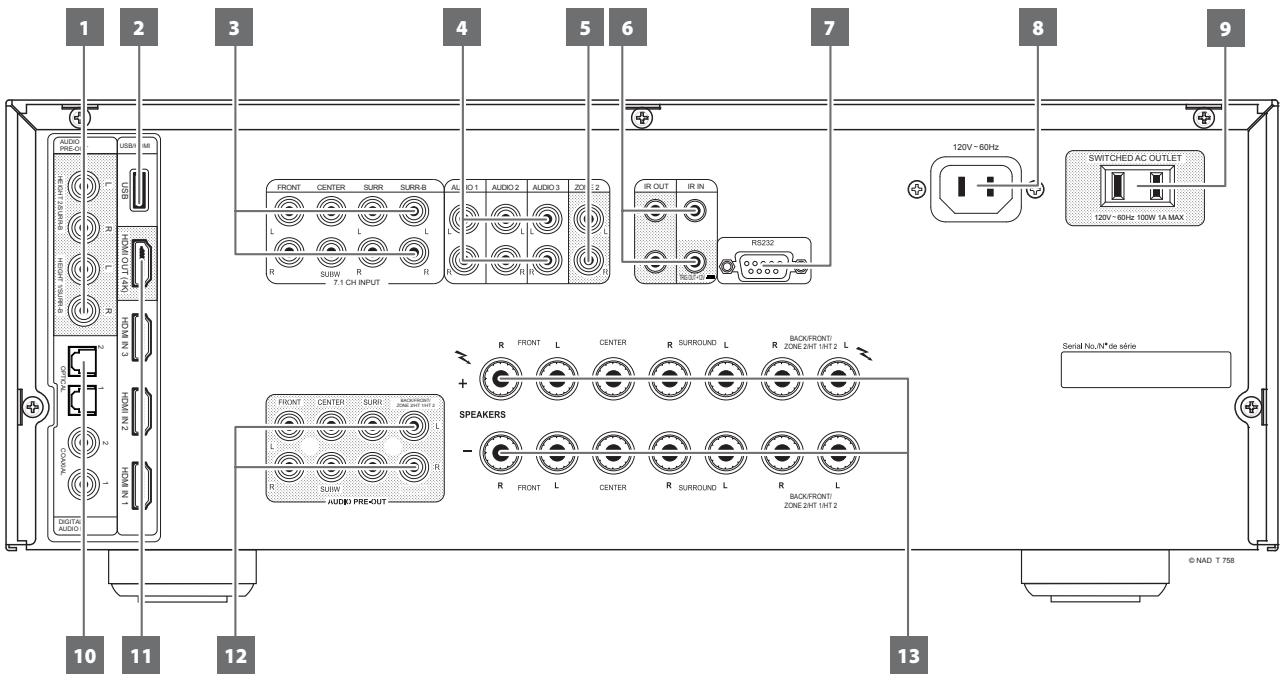
ATTENTION!

Please make sure that the T 758 is powered off or unplugged from the mains power source before making any connections. It is also advisable to power down or unplug all associated components while making or breaking any signal or AC power connections.

1 HT 2/SURR-B   HT 1/SURR-B
- Connect HT 2/SURR-B and/or HT 1/SURR-B to the audio input of an external power amplifier hooked up with up to 4 Height speakers.

2 USB
- Connect the USB connector of the supplied BluOS/USB hub to this USB input. Ensure that the Wi-Fi dongle and Bluetooth USB Micro Adaptor are securely connected to any of the 4 ports of the USB hub. If wireless connectivity is poor, connect Wi-Fi dongle to the supplied extension cable and straighten out for better reception.
- Refer to the instructions on HOW TO SETUP WIRELESS CONNECTION in the BluOS SETUP menu below.

3 7.1 CH INPUT
- Connect to the corresponding analog audio output of a multichannel source component such as a DVD-Audio or multichannel-SACD player or external multichannel decoder (disc copy protected formats only allow analog signal transfer). Typically, these sources will produce 5.1-channel output, in which case the Surround Back jacks are left unconnected. The signal present at these jacks can be heard by selecting Source 7 (7.1 CHANNEL INPUT is defaulted to this Source).
- There is no bass-management or other processing (other than master-volume control) available to this 7.1 channel input.
- While the multichannel audio output of a DVD/BD player can be connected to these jacks, using the T 758's own Dolby Digital and DTS decoding and digital-analog converters via a digital connection will usually produce superior results.

4 AUDIO 1 - 3
- These comprise the T 758's other sets of principal input. Connect these analog audio input ports to the corresponding audio output ports of source components such as CD players or other line level audio sources.

5 ZONE 2
- Send zone selected audio source to the corresponding audio input of a separately located additional amplifier or receiver (not supplied) that can power its matching set of speakers.
- Use high quality patch cables to reduce noise pickup over long distance runs.

6 IR IN/IR OUT 1-2

These mini-jacks accept and output remote-controlled codes in electrical format, using industry-standard protocols, for use with "IR repeater" and multi-room systems and related technologies.

- All NAD products with IR IN/IR OUT features are fully compatible with the T 758. For non-NAD models, please check with your other product's service specialists as to their compatibility to the T 758's IR features.

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 T 758 from a remote location.

IR OUT 1, IR OUT 2

When connected to the IR IN of an ancillary equipment, direct the ancillary equipment's own remote control to the T 758's infrared receiver to command or control the linked unit.

IR IN and IR OUT 1, IR OUT 2

Connect the T 758's IR IN to the IR OUT of an ancillary equipment. Connect also the T 758's IR OUT 1 to another equipment with IR IN feature. With this setup, the T 758 acts as an "IR-repeater" allowing the equipment connected to the T 758's IR IN control or command of the other equipment linked to the T 758's IR OUT 1. A combination of IR IN and IR OUT 2 also perform the same function.

7 RS232

NAD is a certified partner of AMX and Crestron and fully supports these external devices. Check out the NAD website for information about AMX and Crestron compatibility with NAD. See your NAD audio specialist for more information.

- Connect this interface using RS-232 serial cable (not supplied) to any Windows compatible PC to allow remote control of the T 758 via compatible external controllers.
- Refer to the NAD website for information about RS232 Protocol documents and PC interface program.

8 AC MAINS INPUT

- The T 758 comes supplied with a separate detachable mains power cord. Before connecting the plug to the mains power source, ensure that it is firmly connected to the T 758's AC Mains inputs socket first.
- Always disconnect the mains power plug from the mains power source first, before disconnecting the cable from the T 758's AC Mains input socket.

9 SWITCHED AC OUTLET

This convenience outlet can supply switched power to another component or accessory.

- The total draw of all devices connected to this outlet must not exceed 100 watts.
- It is powered ON and OFF by the front panel STANDBY button or by the AVR 4's ON and OFF buttons.

10 DIGITAL AUDIO IN (COAXIAL 1-2, OPTICAL 1-2)

- Connect to the corresponding optical or coaxial digital output of sources such as CD or BD/DVD players, digital cable box, digital tuners and other applicable components.
- Coaxial and optical digital input association is configurable via the Source Setup item of the Setup Menu OSD.

11 HDMI (HDMI 1-3, HDMI OUT)

- Connect the sets of HDMI input to the HDMI OUT connectors of source components such as DVD player, BD player or HDTV satellite/cable box.
- Connect the HDMI OUT to a HDTV or projector with HDMI input. HDMI OUT supports 4K@60 4:4:4 and HDCP 2.2 compliant.

12 AUDIO PRE-OUT

- AUDIO PRE- OUT makes it possible to use the T 758 as a preamplifier to external power amplifiers for some or all channels.
- Connect FRONT L, FRONT R, CENTER, SURR R, SURR L, BACK L and BACK R to the respective channel input of a power amplifier or amplifiers driving the corresponding applicable speakers.
- Unlike the full range channels, there is no power amplifier built-into the T 758 for a subwoofer. Connect the SUBW output to powered ("active") subwoofers or to power amplifier channels driving a passive system.

ZONE 2/HEIGHT 1/HEIGHT 2

- BACK L and BACK R are also assigned as secondary ZONE 2, HEIGHT 1 or HEIGHT 2 audio pre-out. This is applicable if Zone 2, Height 1 or Height 2 is the selected setting of "Back Amplifier" in the "Amplifier Setup" menu.
- Refer also to the item about AMPLIFIER SETUP below.

NOTE

Never connect both the external amplifier and T 758's speaker outputs to the same set of speakers.

13 SPEAKERS

- Connect the respective speaker's FRONT L, FRONT R, CENTER, SURR R, SURR L, BACK L, and BACK R channels to their corresponding loudspeakers. Make sure the "+" (red) terminal and "-" (black) terminal are connected to the corresponding "+" and "-" terminals of the loudspeaker. Use extra care to ensure that no stray wires or strands cross between posts or terminals at either end.
- BACK L and BACK R can also be assigned as ZONE 2, HEIGHT 1 or HEIGHT 2 speaker level output. This is applicable if Zone 2, Height 1 or Height 2 is the selected setting of "Back Amplifier" in the "Amplifier Setup" menu.

IDENTIFICATION OF CONTROLS

AVR 4 REMOTE CONTROL
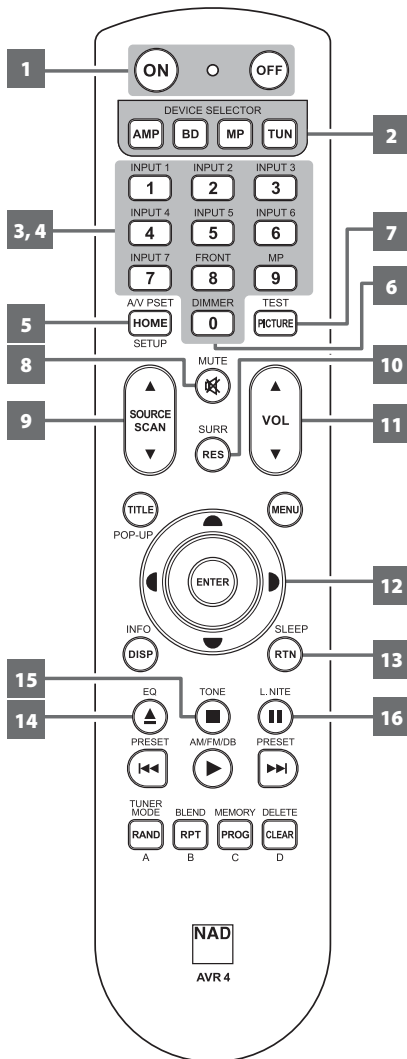
USING THE AVR 4 REMOTE CONTROL

The AVR 4 remote control handset handles the key functions of the T 758. The AVR 4 can also be used to directly command other NAD products that respond to applicable common remote control codes. This includes other NAD Stereo Receiver, Integrated Amplifier and Preamplifier models. It has additional controls to remotely operate NAD Blu-ray Disc Players, AM/FM Tuners and dedicated AM/FM/DB Tuners. It will operate up to a distance of 23ft (7m). Alkaline batteries are recommended for maximum operating life. Two AA batteries should be fitted in the battery compartment at the rear of the Remote Control handset. When replacing batteries, check that they have been put in the right way round, as indicated on the base of the battery compartment.

NOTE

The remote control handset supplied with the T 758 is of a universal NAD type, designed to operate several NAD models. Some buttons are applicable only to specific NAD models. Contact your dealer or NAD audio specialist for assistance.

1 ON, OFF

The AVR 4 remote has a separate ON and OFF button.
- Press ON button to switch the T 758 from Standby to operating mode. Press OFF button to switch the T 758 to Standby mode.

2 DEVICE SELECTOR

A Device Selector button determines only what component the AVR 4 will command; it does not perform any function on the T 758.
- Press desired Device Selector button for the applicable buttons to be directed to a "page" of commands relevant to the selected device. Upon selecting a Device, you can now press the corresponding AVR 4 control buttons applicable for the selected Device.

3 INPUT SELECTORS

Refer to the corresponding labels printed in the remote control faceplate and their respective assigned buttons to make use of these functions.
- Set the DEVICE SELECTOR to "AMP" in order to gain access to these buttons.
- INPUT 1, INPUT 2 up to INPUT 7 corresponds to T 758's Source 1, Source 2 up to Source 7. Select FRONT to select Front Input and MP for Front Audio MP input.

4 NUMERIC KEYS

The numeric keys allow for direct input of tracks for CD players and direct channel/preset access for tuners and receivers.

5 A/V PSET

In combination with the numeric keys, press a Preset number from 1 to 5 as referenced to A/V Presets settings. Note that the Preset settings can be configured via the A/V Presets menu.

6 DIMMER
- Reduce or restore VFD brightness.
- Depending on the NAD model, the brightness of the front panel display will vary when you toggle this button.
- Use with NAD T 758 and other compatible NAD Stereo Receiver, Tuner and CD Player models.

7 TEST

Initiate speaker TEST mode while at the Speaker Levels section of the Speaker Setup menu.

8 MUTE
- Temporarily mutes audio output or restores audio from mute mode.
- MUTE mode is indicated by flashing Standby LED indicator for NAD Integrated Amplifiers or "Mute" shown in the VFD of NAD Receivers.
- Adjusting the volume level via the AVR 4 or the front panel volume knob will automatically release the mute function.

9 SOURCE ▲/▼
- Toggle to select desired Source.

10 SURR

Select desired listening or surround mode.

11 VOL ▲/▼

- Increase or decrease loudness level. Release the button when desired level is reached.
- The VFD on the front panel will indicate the level set. For NAD Receivers, the VFD will also show "Volume Up" or "Volume Down" or "Volume: _ _ dB" (_ _ indicates the numerical dB level) while pressing AVR 4's [VOL ▲/▼] buttons.

12 ◀/▶/▲/▼, ENTER

Select an item in a menu.

13 SLEEP

Switch off the NAD Receiver or Tuner after a preset number of minutes.

SLEEP MODE

The Sleep Mode timer will switch the T 758 to Standby mode automatically after a preset number of minutes. Pressing the AVR 4's [SLEEP] button once will display the current setting of the sleep time mode or remaining time before the T 758 goes to standby mode. Pressing the AVR 4's [SLEEP] button a second time within a 3-second period will change the sleep time mode to the next sleep time setting. Each consecutive press increases the sleep time in 15-minute increments from 15 to 90 minutes. To cancel the sleep mode, continue pressing the AVR 4's [SLEEP] button until "Sleep Off" is displayed on the VFD. Switching the T 758 to standby mode from either the AVR 4's OFF or the T 758's Standby button will also cancel the sleep mode.

14 EQ

Enable or disable Equalization (EQ) effect as set up at Auto Calibration. This is not applicable to T 758.

15 TONE

Adjust Treble or Bass level. Toggle [TONE] and then use [▲/▼] buttons to set up values.

16 L.NITE

Set Dynamic Range Control (DRC) level. Toggle [L.NITE] to select either DTS or Dolby DRC setting and then use [▲/▼] buttons to set up DRC level. This is not applicable to T 758.

BD PLAYER CONTROL (use with compatible NAD Blu-ray Disc Player models)

Set the DEVICE SELECTOR to "BD" in order to gain access to these buttons. Some of the control buttons below are applicable only to specific NAD Blu-ray Disc Players; check the owner's manual of your NAD model for control button compatibility. You can also load the applicable NAD code library to this device so that it can be made compatible with your other NAD equipment. Refer to the section below about "LIBRARY" on how to load a NAD code library.

HOME: Display or exit HOME menu.

PICTURE: Display or exit the Picture Mode menu.

SCAN [▲/▼]: Fast reverse/forward search.

RES: Set output resolution of HDMI and Component Video output.

TITLE/POP-UP: Display DVD title menu or BD-ROM pop-up menu, if available.

MENU: Access disc menu, if available.

▲/▼/◀/▶: Select an item in a menu. Select desired track, chapter, file or folder. In some applications, one has to press [ENTER] to complete the selection.

ENTER: Confirm selected option, item or menu.

DISP: Show playback time and other display information.

RTN: Exit from a menu window.

[▲]: Open or close disc tray.

[■]: Stop playback.

[II]: Pause playback temporarily.

[I◀◀]: Go to the beginning of current or previous track, chapter or file.

[▶]: Start playback.

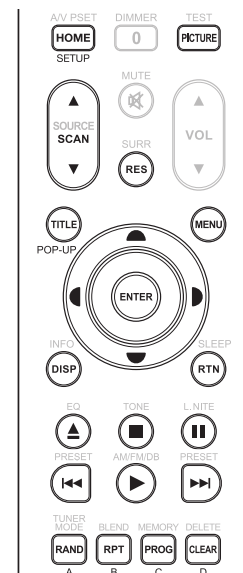**[▶▶I]:** Go to next track, chapter or file.

RAND: Play tracks/files in random order.

RPT: Repeat track, chapter, file or whole disc.

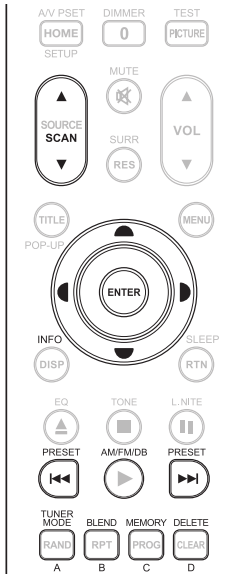**PROG:** Enter or exit program mode.

CLEAR: Delete programmed track/file.

A,B,C,D: Navigate or select BD-ROM menu, if applicable.

IDENTIFICATION OF CONTROLS

AVR 4 REMOTE CONTROL

TUNER CONTROL (use with compatible NAD Receiver, AM/FM/DAB Tuner models)
Set the DEVICE SELECTOR to "TUN" in order to gain access to these buttons. Refer to the corresponding labels printed in the remote control faceplate and their respective assigned buttons to make use of these functions. Some of the control buttons below are applicable only to specific NAD Receiver or Tuner models; check the owner's manual of your NAD Receiver or Tuner for control button compatibility. You can also load the applicable NAD code library to this device so that it can be made compatible with your other NAD equipment. Refer to the section below about "LIBRARY" on how to load a NAD code library.

SCAN [▲/▼] or [◀/▶]: Tune forward or backwards.

INFO: Repeatedly pressing this button will show information as supplied by the current radio station. The applicable display contents include related DAB display information and RDS broadcast data.

PRESET [I◀◀/▶▶I] or [▲/▼]: Step up or down Preset numbers.

[◀/▶]: In combination with [TUNER MODE] or other compatible buttons, select through applicable DAB menu options.

ENTER: Select Preset or Tune mode at AM/FM band. Display signal strength at DAB mode.

AM/FM/DB: Select DAB, FM or AM band, as applicable.

TUNER MODE: In FM mode, toggle between "FM Mute On" and "FM Mute Off". In DAB mode, use the [TUNER MODE] button in combination with [◀/▶/▲/▼] and [ENTER] buttons to activate DAB menu options.

BLEND: Engage or disengage BLEND feature. This is not applicable to T 758.

MEMORY: Save current station to a Preset number.

DELETE: Delete selected Preset number.

LIBRARY

The AVR 4 can store a different library of default NAD codes for each of its DEVICE SELECTOR "pages." If the original default library does not control your NAD CD player, DVD player, or other component, follow the procedure below to change the library code. Refer as well to the table below for a list applicable NAD Library Codes with their corresponding NAD models.

LOAD ANOTHER LIBRARY CODE

Example: Load NAD DVD Player T 517 library code to AVR 4's "BD" device.
1   Press and hold [BD] in the DEVICE SELECTOR section of AVR 4.
2   While holding down the device button [BD], press "2" and "2" using AVR 4's numeric buttons. "22" is the corresponding library code for T 517.
3   Press [ENTER] while still holding down the device button [BD]. The BD device selector will flash once to indicate that the library input is successful. Both the device selector button [BD] and [ENTER] can now be released.

RESET THE AVR 4 TO ITS DEFAULT SETTINGS

The AVR 4 can be restored to its factory settings, including default libraries, via the following procedures
1   Press and hold [ON] and [DELETE] buttons for about 10 seconds until the AMP device button lights up.
2   Within two seconds of the AMP device button lighting up, release both buttons. If the reset mode is successful, the [BD] device button will flash twice.

### TABLE OF LIBRARY CODES APPLICABLE TO AVR 4 REMOTE CONTROL

LIBRARY CODE	NAD PRODUCT DESCRIPTION
10	Default library for "AMP" page
11	Zone 2
20	C 515BEE, C 545BEE, C 565BEE
21	T 535, T 585, M55; DVD section of L 54, VISO TWO, VISO FIVE
22	T 513, T 514, T 515, T 517
23	T 587, T 557, T 577, M56
30	IPD 1
31	IPD 2
40	Default library for "TUN" page; Tuner section of C 725BEE, T 175, T737, T 747, T 755, T 765, T 775, T 785
41	C 422, C 425, C 426
42	C 445

NOTE

The AVR 4 may not necessarily contain all the control buttons applicable for the above-mentioned NAD products. Use the prescribed remote control of the specific NAD product for a full compliment of the applicable remote control buttons.

USING THE ZR 7 REMOTE CONTROL

The ZR 7 is a discrete compact remote for controlling the Zone 2 feature of the T 758. Irrespective of the main room/zone settings, the ZR 7 allows full separate control of the Zone 2 source selection among other applicable features.
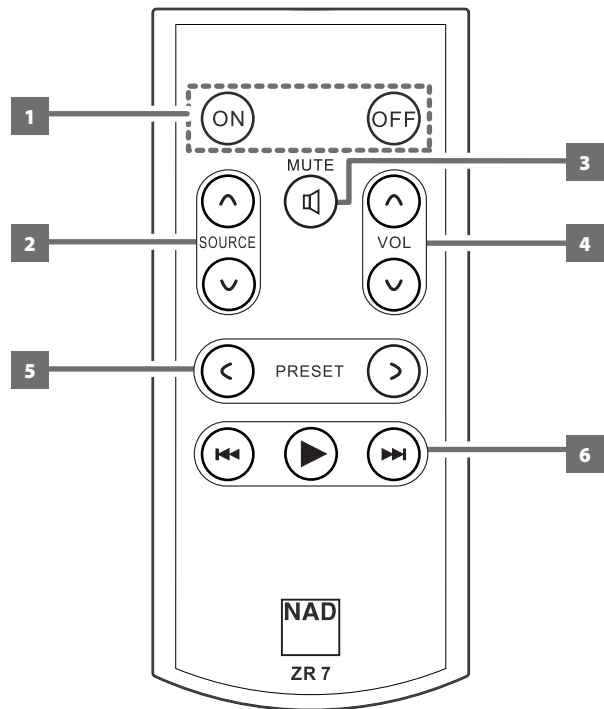
1   **ON/OFF:** Switch ON/OFF the Zone feature.

2   **SOURCE [∧/∨]:** Select the active input of the NAD T 758 that will be sent out to the corresponding rear panel ZONE 2 output port.

3   **MUTE:** Temporarily switch OFF or restore the Zone Volume level.

4   **VOLUME [∧/∨]:** Increase or decrease the loudness level of selected Zone source. This is possible only if the VOLUME setting of ZONE 2 CONTROLS is set to VARIABLE.

5   **PRESET [‹/›]:** Step up or down between stored radio presets. This control button is possible if the selected Zone is "TUNER" and the active tuner section has stored presets. This control button is not applicable to T 758.

6   The following CD Player Zone buttons can control a compatible CD Player. The CD Player has to be powered ON and disc loaded.
    SKIP [▶▶I]: Go to the next track/file.
    SKIP [I◀◀]: Go to the beginning of a track/file or previous track/file.
    [▶]: Start playback.

NOTE

The ZR 7 remote control will only control Zone 2 applications.

IDENTIFICATION OF CONTROLS

AVR 4 REMOTE CONTROL

ALTERNATE IR CHANNEL

The T 758 has the capability to operate via Alternate IR channel. This is practically useful if you have two NAD products that can be operated by similar remote control commands. With alternate IR Channel, two different NAD products can be controlled independently in the same zone by setting each one to a different IR channel.

IR CHANNEL ASSIGNMENT

The T 758 and the AVR 4 remote control must be set to the same channel.

To change the Main Zone IR Channel on the T 758

- Press and hold ❮ SOURCE and then toggle STANDBY button to select desired IR Channel – the VFD will show "IR Channel 1" or "IR Channel 0". The default IR Channel is "IR Channel 0".

To change the IR Channel on the AVR 4 remote control

- Include a channel number before the library code. For AVR 4, library code "10" is the default library table for "AMP" device. To select this "AMP" library table for "IR Channel 0", retain the library code "10" (or "010").
- If you want to load the "AMP" library table on "IR Channel 1", prefix the library code with "1" to indicate association with "IR Channel 1". Load then the "AMP" library table using the code "110". Repeat the same for MP (130) and TUNER (140).

SAMPLE SETUP OF TWO NAD PRODUCTS ON THE SAME ZONE

NAD T 758 and NAD C 326BEE are both defaulted to IR Channel 0. If [OFF] button is pressed on the AVR 4 remote control (or SR 8 remote control for the C 326BEE), both products will go to standby mode. Press [ON] and both products will power up from standby mode.

To prevent both products from simultaneously going in and out of standby mode along with other common commands, set each one to a different IR channel. In this setup, we will keep C 326BEE and SR 8 remote control defaulted to "IR Channel 0". As for T 758, we will assign it to "IR Channel 1"; the same applies to AVR 4.

Set T 758 and AVR 4 to "IR Channel 1" via the following procedure.

T 758
- Press and hold ❮ SOURCE and then toggle STANDBY button to select "IR Channel 1".

AVR 4
- Press and hold [AMP] in the DEVICE SELECTOR section of the AVR 4.
- While holding down the device button [AMP], press "1", "1" and "0" using AVR 4's numeric buttons.
- Press [ENTER] while still holding down the device button [AMP]. The AMP device selector will flash once to indicate that the library input is successful.

With both T 758 and AVR 4 set to "IR Channel 1", the C 326BEE can now be remotely controlled independent of the T 758.

NOTE

Performing a Factory Reset for T 758 or AVR 4 will result to a return to the factory default "IR Channel 0" setting.

ABOUT THE ON-SCREEN DISPLAY (OSD)

The T 758 employs a simple, self-explanatory system of on-screen display "menus" that will appear on the connected video monitor/TV. These are required during the setup process (and are useful in day-to-day operation), so be sure to connect the monitor/TV before proceeding with the setup.
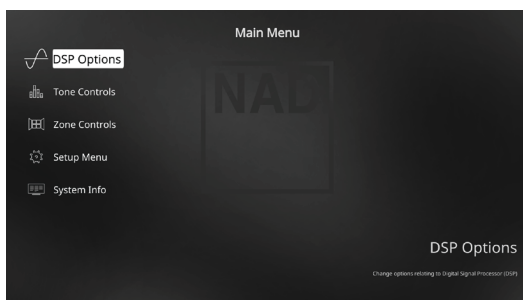
DISPLAY THE OSD

Press [▶], [▷], [MENU] or [ENTER] buttons of the AVR 4 remote control or front panel to display the T 758's Main Menu on your video monitor/TV. If the OSD does not appear, check your MONITOR OUT connections.

NAVIGATING THE OSD AND MAKING CHANGES

To navigate through the OSD menu options, please do the following using the AVR 4 or corresponding front panel buttons:

1 Press [▶] to select a menu item. Use [▲/▼] or in some cases, [ENTER], to move up or down the Menu selections. Repeatedly press [▶] to advance or go further into the sub-menu of desired menu item.
2 Use [▲/▼] to set or change the parameter value (setting) of a menu item.
3 Press [◀] to save the settings or changes done on the current menu or sub-menu. Pressing [◀] will also return the user to the previous menu or exit from a particular menu.

MAIN MENU

The Main Menu contains the menu options for "DSP Options", "Tone Controls", "Zone Controls", "System Info" and access to "Setup Menu".

Follow the guidelines about "DISPLAY THE OSD" and "NAVIGATING THE OSD AND MAKING CHANGES" to navigate through the menu options and their sub-menu selections.

NOTE

The individual configurations set forth at "DSP Options" and "Tone Controls" are carried over whenever they are enabled at A/V Presets setting. Please see the section "AV PRESETS" for reference.
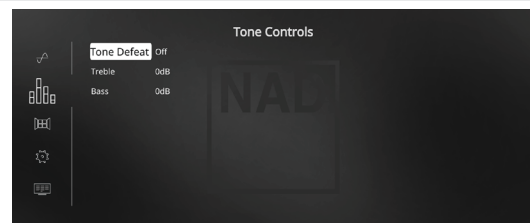
DSP OPTIONS
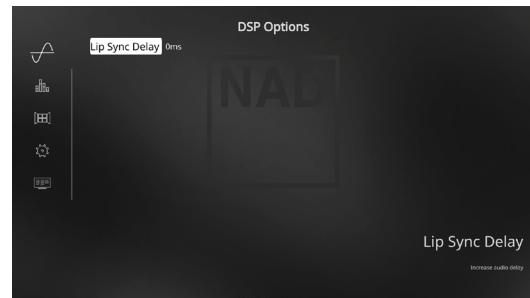
LIP SYNC DELAY

DSP Options has the feature "Lip Sync Delay" whose function is to match any delay that may occur in the picture relative to the audio.

By varying "Lip Sync Delay" from 0ms to 120ms, one can delay the audio output in order to synchronize it with the video image.

TONE CONTROLS

The T 758 has two Tone Control levels – Treble and Bass. Bass and Treble controls only affect the low bass and high treble leaving the critical midrange frequencies free of coloration.

These controls allow one to tweak on-the-fly, the frequency response of the source during playback. The control setting could be adjusted by navigating through the Tone Controls' OSD menu via a combination of [ENTER] and [◀/▶/▲/▼] keys.

Maximum and minimum values for all three Tone Control levels are ±10 dB.

"Tone Defeat" gives one the choice of varying or completely bypassing the tone control section of the T 758. If "Off" ("Tone Active" in the VFD) is selected, the Tone Control circuits are active.

Select "On" ("Tone Defeat" in the VFD) to bypass the Tone Controls effectively defeating the effect of the tone control circuits.

NOTE

Tone Controls options can be directly selected or changed using AVR 4's [TONE] button with DEVICE SELECTOR set to AMP mode. Refer to front panel display to manage tone controls. Toggle [TONE] button to select "Treble" or "Bass" and then use the [▲/▼] to adjust their respective levels. Press [TONE] again to save the settings and at the same time move on to the next parameter or exit the parameter setting altogether.

OPERATION

USING THE T 758 - MAIN MENU
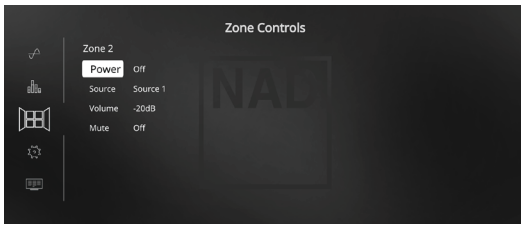
ZONE CONTROLS

Depending on the settings made at the separate "Zone Setup" menu under the "Setup Menu" section discussion, Zone 2 can be configured and managed via this "Zone Controls" window.

Set "Power" to "On" to activate Zone 2. When activated, the Source input for Zone 2 can be allocated by selecting through the following inputs – All enabled Sources, Front Input, Media Player and Local.

As long as the associated Source input is active, it will continuously be available at ZONE 2 output port in the rear panel regardless of the Main Zone settings. For example, while the T 758 is at Source 1 mode, you can set the Zone 2 Controls' "Source" item to "Source 3"; the active Source 3's audio output will be directed to ZONE 2 output port in the rear panel even though the T 758 is at Source 1 mode.

You can then feed the ZONE 2 jacks to another amplifier or receiver that maybe located in another area of your home or building. With your separate amplifier or receiver selecting the fed signal and with speakers connected, you can then enjoy the zone selected source's audio signal.

Select "Local" as your selected Zone 2 Source input if you wish to enjoy the same source as the main Zone and allow simultaneous listening, but with full separate volume levels.

If a Zone 2 is set to "Off", it is deactivated or powered off.

ZONE 2 AT AUDIO PRE-OUT SURROUND BACK
BACK L and BACK R channels of AUDIO PRE-OUT can be assigned as Zone 2 OUT. This is applicable only if "Zone 2" is the selected setting of "Back Amplifier" in the "Amplifier Setup" menu.

With this condition, the following are applicable
- The surround back amplifier channels supply Zone 2 speaker level output via the surround back speaker terminals. With this setup, Zone 2 audio/speaker level can be increased or decreased using the VOL (Volume) keys of the supplied ZR 7 zone remote control.

- At the same time, Zone 2 continues to send zone selected audio source to the corresponding audio input of a separately located additional amplifier or receiver (not supplied) that can power its matching set of speakers. Zone 2 audio level for this port is fixed; it cannot be adjusted by any ZR 7 volume command.

- On the other hand, the secondary Zone 2 at AUDIO PRE-OUT (item "AUDIO PRE-OUT/SURR-B/FRONT-HT/ZONE 2" in the "IDENTIFICATION OF CONTROLS – REAR PANEL" section) also sends zone selected audio source to the corresponding audio input of a separately located additional amplifier or receiver (not supplied) that can power its matching set of speakers. Zone 2 audio output for this secondary Zone 2 can be increased or decreased using the VOL (Volume) keys of the supplied ZR 7 zone remote control.

- For the applicable Zone 2 function, Zone 2 audio level can only be adjusted using the Volume keys of ZR 7 remote control only if "Back Amp" in the "Amplifier Setup" menu is set to "Zone 2". Setting "Back Amp" to "Main Front" or "Main Back" will not allow Zone 2 audio level adjustment.

IMPORTANT NOTICE
Only analog audio connected through a Source's analog audio input port can be associated as audio source for Zone 2. Digital audio sources connected via HDMI, digital optical and digital coaxial input ports cannot be downmixed and used as Zone 2 audio source. BluOS audio is also not applicable as a Zone 2 audio source. Ensure that the associated Source's Digital Audio setting is set to "Off" or no actual digital source is connected.

VOLUME
"Volume" refers to the adjustable secondary Zone 2 Volume level that can be increased or decreased depending upon its settings. This is applicable only if the Zone 2 Volume setting in the separate "Zone Setup" menu under "Setup Menu" is set to "Variable". **If set to "Fixed", this "Volume" item at the Zone Controls section will not be available.**

NOTES
- *If Zone 2 is still ON and STANDBY button is pressed to switch the T 758 to standby mode, the VFD will be extinguished but the STANDBY LED remains illuminated blue. This indicates that Zone 2 is still active. In order to completely shut down the T 758 together with Zone 2, press and hold STANDBY button until the STANDBY LED turns amber.*
- *Zone 2 is audio only and not associated with any video input sources.*

SETUP MENU
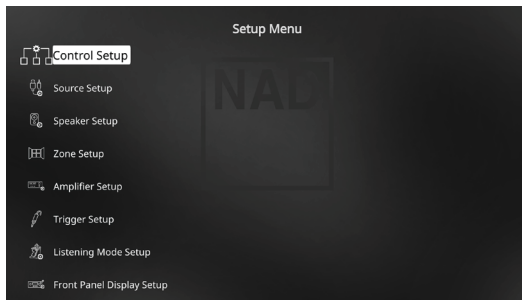
The Setup Menu allows one to customize the operation of the T 758 to the ancillary equipment used in one's specific AV system. Unless your system exactly matches the factory defaults as shown in the accompanying Quick Start Guide, you will need to use the setup menu to configure the inputs of the T 758.

At Setup Menu, the following are configurable:

- Control Setup
- Source Setup
- Speaker Setup
- Zone Setup
- Amplifier Setup
- Trigger Setup

- Listening Mode Setup
- Front Panel Display Setup
- A/V Presets
- BluOS Setup
- Select Language

To access and navigate through Setup Menu and its sub-menu selections, please refer to and follow the directions stated in the sections 'Display the OSD' and 'Navigating the OSD and Making Changes.'

CONTROL SETUP
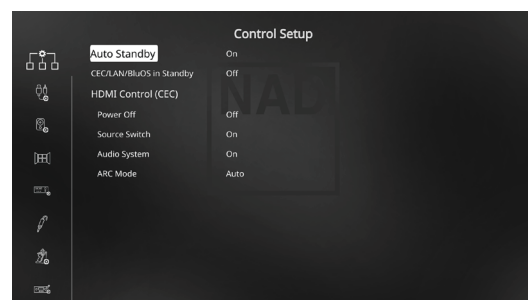
The T 758 supports HDMI Control (CEC) and Audio Return Channel (ARC) functions. Both functions are possible if external devices that also support both features are interconnected with the T 758 via HDMI connection.

AUTO STANDBY
The T 758 can be setup to automatically go to standby mode if there is no user interface interaction within 30 minutes.

On: T 758 will go to standby mode automatically in the absence of any user interface interaction within 30 minutes.

Off: T 758 remains active even though no user interface interaction is detected.

CEC/LAN/BluOS IN STANDBY
On
- Enable CEC feature. Audio and video will continuously stream from a CEC-enabled HDMI source to a CEC-enabled TV (with both devices connected via T 758).
- LAN and BluOS connections continue to be active.

Off
- T 758 will not pass through any CEC message. Audio and video will not be streamed from a CEC-enabled HDMI source to a CEC-enabled TV (with both devices connected via T 758).
- LAN and BluOS connections are cut off.

HDMI CONTROL (CEC)
Consumer Electronics Control (CEC) is a set of commands that utilizes HDMI's two- way communication to allow for single remote control of any CEC-enabled devices connected with HDMI. A CEC command will trigger the necessary commands over HDMI for an entire system to auto-configure itself to respond to the command.

OPERATION

USING THE T 758 – SETUP MENU

When devices that support HDMI Control (CEC) are connected, the following modes of operation can be executed via the T 758 or the external device using any of the device's remote control.

Off: Applies to all CEC options below. At "Off" setting, particular CEC feature is defeated.

Power Off: At "On" setting, the T 758 will automatically go to standby mode if it receives a CEC standby command. On the other hand, if the T 758 receives a CEC power up command, the T 758 will correspondingly switch ON from standby mode.

Source Switch: At "On" setting, the T 758 will automatically switch sources if another CEC device requests a Source change.

For example, if PLAY is pressed on a BD Player with CEC, the T 758 and TV with CEC will automatically switch to their respective input connections – the T 758 switching to the HDMI input where the BD Player is connected while the TV will switch to its input where the T 758's HDMI MONITOR OUT is connected. This completes the auto-configuration – the BD Player is automatically played back using the T 758 and TV.

Audio System: At "On" setting, the T 758 will broadcast a CEC message indicating it is an active audio system. A CEC compatible TV will usually mute its audio output when this happens. When this option is enabled, the T 758 will also respond to CEC volume and mute commands. For example, a CEC TV may forward the volume commands from its remote to the T 758.

ARC Mode: Audio Return Channel (ARC) enables an ARC-enabled TV to send audio data "upstream" to T 758.

This option has three choices: Off, Auto or Source Setup.

Auto: When set to Auto, the T 758 will automatically attempt an ARC audio connection to the TV whenever the TV announces over CEC that it has become the active source. If an ARC connection can be established, the T 758 will output the ARC audio signal no matter what source is selected on the T 758 and will show "HDMI ARC" on the VFD. The Auto option tends to work best when all your devices support CEC and the Source Switch option is set to On.

Source Setup: When set to Source Setup, you can select "ARC" for the digital audio input in the source setup screen. When you select a source on the T 758 which is set for ARC, the T 758 will attempt to initiate an ARC connection with the TV. When using this option, you would probably also want to make sure Source Switch is off otherwise other CEC devices may keep changing the T 758 source when you want it to remain on the ARC source.

IMPORTANT NOTES

- *"Audio System" must be set to "On" for "ARC mode" to manifest as an option.*
- *"CEC in Standby" must be set to "On" for audio and video to continuously stream from a CEC-enabled HDMI source to a CEC-enabled TV (with both devices connected via T 758).*

SOURCE SETUP
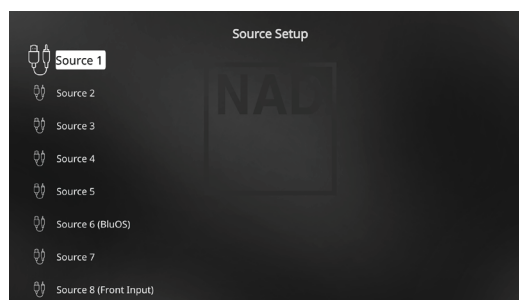
The Source Setup menu makes it possible to set, allocate or change the Sources settings.

The T 758 Sources are all configurable. Each Source can be configured with respect to the following settings.
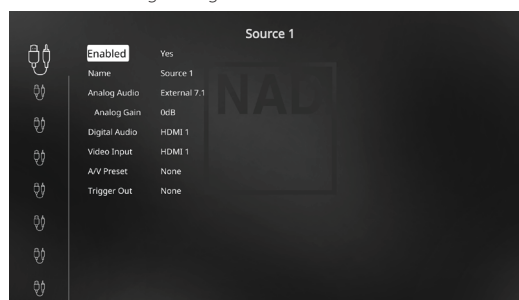
ENABLED

One can enable/disable a Source via this option. This is particularly useful if only few Sources are used and one directly selects the Source from the front panel, bypassing unused sources.

Select "Yes" to enable the particular Source or "No" to disable the Source.

NAME

A new Name maybe assigned to a Source label. For example, if your BD player is attached to "Source 1", it is possible to rename "Source 1" to "BD Player". In order to rename the Source label, scroll to the "Name" parameter. Press [▶] to go to the first character. Then, press [▲/▼] to pick through the alphanumeric selections.

Press [▶] to move to the next character and at the same time save the changes done on the current character. The name can be as long as twelve characters.

The new Name will be shown in the VFD as well as on the OSD.

ANALOG AUDIO

The T 758 has six analog audio inputs including 7.1 input. These analog inputs - Stereo 1, Stereo 2, Stereo 3, Stereo Front, Media Player (Front) and External 7.1 can be variably assigned to each Source.
Scroll to "Analog Audio" and then press [▶] and then [▲/▼] to select and assign an analog audio input to the particular Source.

Select "External 7.1" to choose the audio signal fed to the "7.1 CH INPUT". If "Off" is selected, no incoming analog audio signal is selected by the particular Source.

NOTE

An incoming digital signal present at the assigned digital input will always take precedence over the assigned analog audio input, even if both are present. To maintain the analog audio input for the particular Source, select "Off" at the "Digital Audio" setting of the same "Source" menu.

ANALOG GAIN

Gain adjustment allows all sources to play back at the same volume level so you don't need to adjust the volume every time a new source is selected. It is generally preferable to reduce the level of the loudest source rather than making louder the softer sources.

Scroll to "Analog Gain", press [▶] and then [▲/▼] to step through the desired level from -12dB to 12dB.

DIGITAL AUDIO

To take advantage of the T 758's high performance surround and digital audio circuitry, it is advisable that its Digital Audio inputs are selected. There are various types of Digital Audio input for the T 758. These are HDMI, BluOS, Optical and Coaxial digital inputs. Another option is "Off" whereby no incoming digital audio signal is selected by the particular Source.

The following are the sets of assignable Digital Audio input:
HDMI ➜ HDMI 1, HDMI 2, HDMI 3
Optical ➜ Optical 1, Optical 2, Optical Front
Coaxial ➜ Coaxial 1, Coaxial 2
BluOS

NOTE

An incoming digital signal present at the assigned digital input will always take precedence over the assigned analog audio input, even if both are present. To maintain the analog audio input for the particular Source, select "Off" at the "Digital Audio" setting of the same "Source" menu.

VIDEO INPUT

All three HDMI sources can be assigned as video input to a particular Source. Another option is "Off" wherein the particular Source is prompted not to select any Video input.

HDMI ➜ HDMI 1, HDMI 2, HDMI 3
Previous ➜ Display or retain preceding video.

NOTE

The T 758 also supports HDMI features that include compatibility with a broad range of 3D and HD digital video sources and displays.

A/V PRESET

A particular Source can be assigned a stored Preset. The parameters set up in the selected Preset number will be adopted into the particular Source it is assigned (Please refer to the separate section on "A/V Presets" for further understanding of Preset settings).

A Source could be assigned a Preset number ranging from Preset 1 to 5. If it is desired not to assign the particular Source a Preset setting, select "None".

TRIGGER OUT

The Trigger Out for a particular Source is dependent upon the configurations done in a separate menu on Trigger Setup (See "Trigger Setup" below).

For "Trigger Out" to become enabled and assignable at "Source Setup (Normal View)" menu, make sure to carry out or note the following beforehand
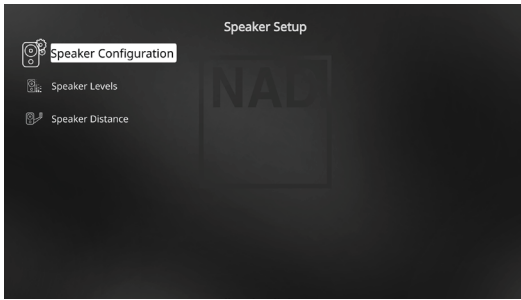- In the separate "Trigger Setup" menu, assign "Trigger 1 Out" to "Source Setup".
- "Trigger Out" option will only be "None" if at the separate "Trigger Setup" menu, "Trigger 1 Out" is assigned to either 'Main" or "Zone 2".

Set "Trigger Out" to "Trigger 1" to activate Trigger Out or "None" to disable it.

OPERATION

USING THE T 758 – SETUP MENU

SPEAKER SETUP

After connecting all ancillary sources and other combinations, the Speaker Setup menu will guide you on how to manage and setup your speakers in order to achieve optimum sound acoustics in your listening environment. The following are the Speaker Setup Menu sections.

IMPORTANT!

Dirac Live and NAD Speaker IQ features are still being finalized and will eventually be added in future firmware Internet upgrade.

SPEAKER CONFIGURATION

Every surround-sound system requires "bass-management" to direct low-frequency content from any or all channels to the speakers best able to reproduce it. For this function to operate correctly, it is important that you correctly identify your speakers' capabilities. We use the terms "Small" and "Large" (and "Off") but note that physical size may be irrelevant.

- A "Small" speaker is any model, regardless of physical size, that lacks significant deep-bass response, that is, below about 200 Hz.
- A "Large" speaker is any full-range model; that is, one with deep-bass response
- An "Off" speaker is one that is not present in your system. For example, you might not have any surround-back speakers installed; in that case, you would set the "Back" setup item to "Off". For "Height" speakers, selecting "Off" option for "Height 1" will automatically cut off both Height 1 and Height 2 Audio output.

The Speaker Configuration is "global"; that is, it remains in force with all inputs and in all listening modes. However, speaker settings are part of the T 758's Preset system. Consequently, multiple speaker settings can be stored for easy recall as different types of recordings or listening modes require.

Speaker Configuration can be managed and adjusted by pressing a combination of [◗] and then [⏶/⏷] keys. Set "Front", "Center" and "Surround" to "Large", "Small" or "Off" as your subsystem's speakers require.

The "Back" speakers can either be one or two speakers. Set "Back" to either 1 or 2 speakers as per availability. Set "Subwoofer" to "On" or "Off", selecting "On" only if you have a subwoofer connected to the T 758's SUBW output jack.

HEIGHT 1/HEIGHT 2
"Height 1" and "Height 2" AUDIO PRE-OUT can be connected to the audio input of an external power amplifier hooked up with up to 4 Height speakers. Height1/Height 2 settings must be set to "On" at the "Speaker Configuration" menu to power up the additional Height speakers.

ENHANCED BASS

When the subwoofer is set to ON and "Front" is set to "Large", Enhanced Bass is also available. Normally, with speakers set to "Large" the subwoofer is not active. The Enhanced Bass option allows full range operation of the speakers with the additional bass contribution of the subwoofer. This feature is particularly useful when one wants to experience maximum bass output. Please note that due to acoustic cancellation effects, the bass response may be uneven when using this setting

You can set Subwoofer to "On" even with "Large" front speakers, in which case bass content from any channels set to "Small" will be routed to both the subwoofer and to the front speakers; LFE-channel signal will pass only to the sub. In most subwoofer-equipped systems, setting front speakers to "Small" is usually the better option.

All the speakers' low frequency content can be directly adjusted within the range 40Hz to 200Hz.

NOTE

The configurations set forth at "Speaker Setup" are carried over whenever it is enabled during A/V Presets setting. Please see also the section "AV Presets" for reference.

SPEAKER LEVELS

Adjusting the relative balance of your system's loudspeakers ensures that surround-sound recordings, whether music or film, will present the balance of effects, music, and dialog that the artists intended. Additionally, if your system incorporates a subwoofer, it establishes a correct relationship between the volume of the subwoofer and the other speakers, and thus of low-frequencies (bass) to other sonic elements.

USING AN SPL METER
It is quite practical to perform the T 758 level setup routines "by ear," and careful work will produce acceptably accurate results. However, the use of an inexpensive sound-pressure level (SPL) meter, such as Radio Shack part number 33-2050, makes this task easier, more accurate and more repeatable. Ownership of such a meter could prove a valuable audio tool.

The SPL meter should be placed at the primary listening position, at approximately the height of the seated listener's head. A tripod is helpful but with a little duct tape almost anything - a pole lamp, music-stand, or ladder-backed chair, for example - can do as well. Just be sure that no large acoustically reflective surfaces obstruct or are near the microphone element.

Orient the meter with its microphone (usually at one end) pointing straight up toward the ceiling (not toward the speakers) and ensure that "C" weighting scale is selected. Set the meter to display 75 dB SPL. On Radio Shack meters, this necessitates either setting the meter to its 80 dB range and taking your readings at the -5 point or selecting the 70 dB range and reading at the +5 point.

SETTING SPEAKER LEVELS AT TEST MODE

While at "Speaker Levels" menu, press the AVR 4 remote's [TEST] key activating the T 758's Speaker Levels balancing test signal. You will hear a "surf" sound as you step through your speakers ("Test Mode Active" is shown beside the Speaker Setup heading), beginning with the Front Left. If you do not hear the test signal, check your speaker connections or your "Speaker Configuration" OSD menu settings.

Use the remote's [▲/▼] keys to adjust the loudness of the noise output from the currently playing channel to the required level (it's usually simplest to begin with the Front Left). As you cycle the test signal around the speakers, the OSD will highlight the currently playing channel. The "level offset" reading on the right will change by 1 dB increments; ±12 dB adjustment is available. Press [ENTER] to adjust the next speaker.

> **NOTE**
>
> *If you are balancing levels "by ear", choose one speaker - usually the center - as a reference and adjust each of the others in turn to "sound as loud" as the reference. Be sure that you remain in the primary listening position while balancing all channels.*

To produce the same SPL meter reading (or subjective loudness), use the remote's [▲/▼] keys to adjust each speaker.

> **NOTES**
>
> - *All speakers must be in their final locations before level-setting.*
> - *Your subwoofer (if any) should be set with its integral crossover defeated, or if undefeatable, set to its highest-possible frequency if you are using the T 758's Subwoofer output. Final subwoofer-level adjustment "by-ear," using music and film sound material, is frequently useful.*
> - *Due to the effects of room acoustics, matched-pair speakers (front; surround; back) will not always calibrate to exactly the same level offset readings.*

You can exit "Test" mode at any time by pressing [◀] key, bringing you back to "Speaker Setup" menu. You can also press the [TEST] key to discontinue the "Test" mode.

SPEAKER DISTANCE

Your system's speaker distance settings are a subtle but important refinement of your setup. Informing the T 758 of the loudspeaker-to-listener dimensions of each speaker automatically imposes the correct delays, optimizing imaging, intelligibility and surround-sound ambience. Enter your dimensions with precision within about 1 foot (30 cm).

SETTING SPEAKER DISTANCE

While at "Speaker Distance" menu, use the [▲/▼] keys to individually set the distance measured from your principal listening position to the front surface of the corresponding loudspeaker. Distance can be set up to 30 feet or 9.1 meters. Distance can be displayed as feet or meters selectable at the "Unit of Measure" item.

ADJUSTING THE VOLUME

In addition to the Volume knob, use the AVR 4's VOL [▲/▼] to adjust the "master volume" of the T 758 raising or lowering the channels altogether. A momentary keypress will change the master volume by 1 dB increments. If you hold down VOL [▲/▼], the master-volume change will "run-on" until the key is released.

Since recordings vary considerably in overall average level, there is no imperative to listen at any particular master-volume setting. A setting of -20dB may sound "as loud" from one CD or DVD as -10dB does from another.

The T 758 will power-up from Standby mode at whatever master volume setting was last used; however, if the prior setting was greater than -20dB, the T 758 will power up at -20dB. This prevents inadvertently beginning a session at excessive volume.

MUTING THE SOUND

Use the AVR 4's [MUTE] key to silence all channels completely. Muting is always available regardless of the source or listening mode selections.

> **NOTES**
>
> - *Changing input or listening-mode selections does not release muting.*
> - *Adjusting the volume level via the AVR 4 or the front panel volume knob will automatically release the mute function.*

OPERATION

USING THE T 758 – SETUP MENU

ZONE 2 SETUP

The Zone 2 feature allows one to simultaneously experience in a different zone of the house selected audio from any of the enabled Sources as well as from Front Input and Media Player.
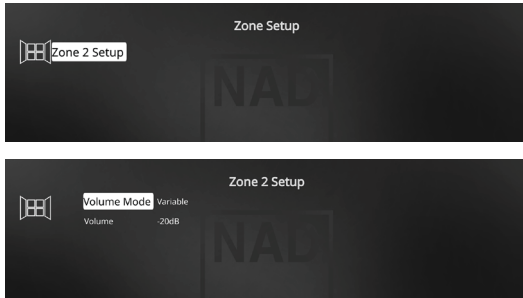

VOLUME

Zone 2 have Fixed and Variable volume control. When set to "Variable" and while at the "Zone Controls" menu OSD, the Zone 2 Volume level can be adjusted using the AVR 4's [▲/▼] or the corresponding front panel navigation buttons or directly via ZR 7's [VOL ∧/∨].

On the other hand, if Volume is set to "Fixed", the Zone 2 Volume is set to a preset dB level and thereafter the Zone's volume can be varied via the volume control of the separate amplifier it is fed into.

See discussion also about "Zone Controls" at the Main Menu.

AMPLIFIER SETUP
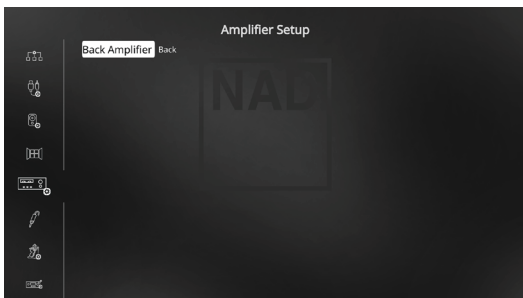
If the surround back speakers are not used in the main zone, their surround back amplifier channels could be assigned for Back, Height 1, Height 2, Zone 2 and Front (Bi-Amp) use.

The Surround Back amplifier is configurable through the following settings
**Back:** Assign as surround back speakers.
Front (Bi-Amp): Provide a bi-amp mode for the Main Front speakers (Left and Right) speakers thus reproducing the Front Left and Front Right amplifier channel outputs.
Zone 2: Assign the surround back amplifier channels to supply Zone 2 speaker level outputs from the surround back speaker terminals. Refer also to the item about "ZONE 2 AT AUDIO PRE-OUT SURROUND BACK" in the "ZONE CONTROLS" segment of the "OPERATION - USING THE T 758 - MAIN MENU" section.
Height 1/Height 2: Assign as Height 1 or Height 2 speakers.

TRIGGER SETUP
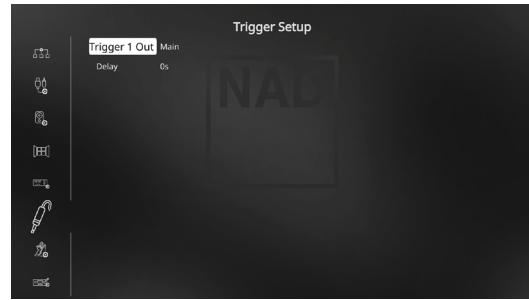
The T 758 features a configurable +12V TRIGGER OUT that can be used to activate a component or system it is fed into. It is used to turn on/off other compliant devices.

The T 758's +12V TRIGGER OUT is dependent on which mode it is associated with. There are three choices where the +12V TRIGGER OUT can be assigned and these are - Main, Zone 2 and Source Setup.
**Main:** +12V DC is available at +12V TRIGGER OUT when the T 758 is at powered state.
Zone 2: When the Zone 2 is at powered state, +12V DC is available at +12V TRIGGER OUT.
Source Setup: If Trigger Output is linked to "Source Setup", +12V DC is available at +12V TRIGGER OUT whenever the particularly assigned Source is selected.

DELAY

The availability of +12V DC at Trigger Out can be regulated. If it is desired that +12V DC is available without delay the moment Trigger Out is linked to its assigned setting, set Delay to 0s. Otherwise, one can select through a delay time of 1s to 15s.
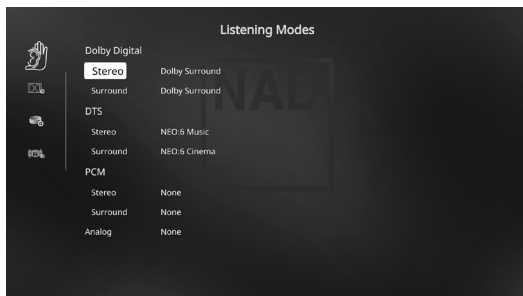
LISTENING MODE SETUP
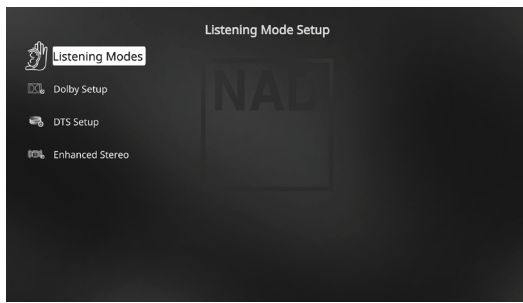
The T 758 has various listening mode options and is mostly configurable. These are provided to reproduce a variety of sound effects depending upon the content of the source to be played.

LISTENING MODES

The audio format as detected by the selected Source can be automatically configured and processed through the following options:

DOLBY DIGITAL

Dolby Digital is the multi-channel digital signal format developed in the Dolby laboratories. Discs bearing the Dolby Digital (double-D symbol) logo were recorded with up to 5.1 channels of digital signals, reproducing a much better sound quality, with dynamic and spatial sound sensations that are much better than in the previous Dolby Surround.

A Dolby Digital audio input can be configured relative to its format as follows

Stereo: If the detected audio is of Dolby stereo format, you can default it to either Dolby Surround or None.

Surround: If the detected audio is of Dolby Surround format, you can default it to one of the following settings - Dolby Surround, Stereo Downmix or None.

None: If "None" is selected, the Dolby Digital signal will be defaulted to the "Stereo" or "Surround" settings set forth at the "PCM" option. See discussion below about "PCM".

DTS

The Digital Theater System Digital Surround (simply called DTS) is a multi-channel digital signal format that can process higher data rates than with Dolby Digital. Although both Dolby Digital and DTS are 5.1 channel media formats, discs bearing the "DTS" symbol are thought to provide better sound quality due to the lower audio compression required. It also offers a broader dynamic, producing magnificent sound quality.

A DTS audio input can be configured relative to its format as follows

Stereo: If the detected audio is of DTS format, you can default it to one of the following settings - NEO:6 Cinema, NEO:6 Music or None.

Surround: If the detected audio is of DTS Surround format, you can default it to one of the following settings - NEO:6 Cinema, NEO:6 Music, Stereo Downmix or None.

None: If "None" is selected, the DTS signal will be defaulted to the "Stereo" or "Surround" settings set forth at the "PCM" option. See discussion below about 'PCM'.

PCM

PCM (Pulse Code Modulation) is the digital representation of a standard audio signal converted with little or no compression. If "None" is selected for any of the Dolby or DTS settings, this "PCM" section will default the audio signal as follows

Stereo: The detected stereo audio format will be configured into one of the following options - Dolby Surround, NEO:6 Cinema, NEO:6 Music, EARS, Enhanced Stereo or None.

Surround: The detected surround audio format will be configured into one of the following options - Dolby Surround, NEO:6 Music, NEO:6 Cinema, Stereo Downmix or None.

ANALOG

If the audio input is an analog signal, the following are the surround modes the input can be defaulted - Dolby Surround, NEO: 6 Cinema, NEO: 6 Music, EARS, Enhanced Stereo, Analog Bypass and None.

NOTE

All these Listening Modes for Dolby Digital, DTS, PCM and Analog can be directly changed by pressing the "Listening Mode" button on the front panel.

OPERATION

USING THE T 758 – SETUP MENU

LISTENING MODES

The T 758 offers distinct listening modes, tailored for different types of recording or program material. With a two-channel (Stereo) source, the following listening modes can be selected.

STEREO

Output is directed to the front left/right channels. Low frequencies are directed to the subwoofer if one is present in the Speaker settings. Select "Stereo" when you wish to listen to a stereo (or monaural) production, such as music CD or FM broadcast, without surround enhancement. Stereo recordings whether in PCM/digital or analog form and whether surround-encoded or not encoded, are reproduced as recorded. Multi-channel digital recordings (Dolby Digital and DTS) are reproduced in "Stereo Downmix" mode via the front left/right channels only as Lt/Rt (left/right-total) signals.

DIRECT

The analog or digital sources are automatically played in their native formats. All the source's audio channels are reproduced directly. This mode recreates the original sound most faithfully thereby producing outstandingly high quality audio. Note that the source must be at playback mode for "Direct" to become available as a listening mode option. In order to automatically playback your source in their native format, implement the following settings.

1   Go to "Listening Mode Setup" under "Setup Menu". At the "Listening Modes" menu, set all Dolby, DTS, PCM and Analog settings to "None". With this setup, your source will be played back directly at its native format.

2   Next, go to "A/V Presets" under "Setup Menu". At "A/V Presets" menu, set "Listening Mode" item to "Yes" and then save this setting among other options, say to "Preset 1", by selecting "Save Current Setup to Preset".

3   Now, you can associate "Preset 1" to any of the "Source" settings. For example, at Source 1 setting under "Source Setup (Normal View)", scroll down to "A/V Preset" item and set it to "Preset 1". Thus whenever Source 1 is selected, the associated source will always be directly played back at its native audio format.

NEO: 6

Two-channel recordings, whether stereo or surround-encoded, are reproduced with NEO:6 surround with output to front left/right, center and discrete left/right surround channels plus subwoofer (assuming these are present in the current "Speaker Configuration"). The T 758 provides two DTS NEO:6 variations – NEO:6 Cinema and NEO:6 Music. See also section about "Adjusting Listening Modes" below.

EARS

Two-channel recordings, whether stereo or surround-encoded, are reproduced with proprietary NAD surround processing with signal output to the front left/right, center and discrete left/right surround channels, plus subwoofer (assuming these are present in the current "Speaker Configuration"). EARS does not employ the surround back speakers (if any).

EARS extracts the natural ambience present in nearly all well-produced stereo recordings. It does not synthesize any ambience or other sonic elements and thus remains truer to the sound of the original musical performance than most other music-surround options.

Select EARS for listening to stereo music recordings and broadcasts. EARS produces a subtle but highly natural and believable ambience from nearly all "natural-acoustic" stereo recordings. Typically, these include classical, jazz, and folk genres as well as numerous examples from others. Its virtues include realistic, stable "front-stage" sonic imaging and spacious but unexaggerated ambient "virtual acoustics" that remain faithful to the original recording.

ENHANCED STEREO

All recordings are reproduced in stereo via the maximum speaker complement configured in the current "Speaker Configuration". Enhanced stereo can be useful for maximum volume from all channels or for multi-speaker background music (cocktail party) listening. For this mode, Front, Center, Surround and Back speakers can be turned ON/OFF as desired.

ANALOG BYPASS (APPLICABLE ONLY WHEN THE SOURCE SELECTED IS 7.1 CHANNEL INPUT - DEFAULTED TO SOURCE 7)

All analog signals remain in the analog domain without analog-to-digital conversions. At Analog Bypass, the DSP circuitry is bypassed but full tone control functions remain. "Bass management" or Speaker settings are also not in effect as these are DSP functions.

DOLBY ATMOS

Dolby Atmos redefines your entertainment experience. Overhead dimension is added by creating a full audio atmosphere and realistically depicting objects moving overhead. Sound from a helicopter, a car screeching around a corner or a melodic bird call can be precisely placed and moved anywhere in your room, including overhead, to flow above and around you in three-dimensional space. Dolby Atmos also renders everything from dialogue to quiet scenes to whirlwind action with astonishing clarity, richness, detail and depth.
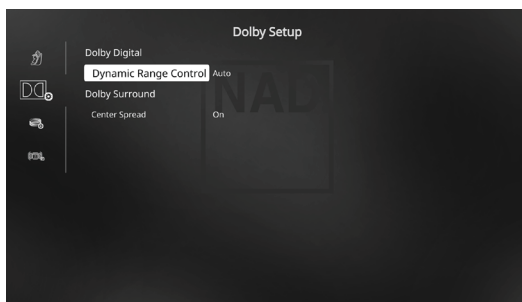
DTS NEO: 6

NEO: 6 Cinema is optimized for film soundtracks.
NEO: 6 Music for music recordings
   Center Gain (0 to 0.5): Adjust for better center image in relation to the surround sound channels.

DOLBY SETUP

Dynamic Range Control: You can select the effective dynamic range (subjective range from soft to loud) for playback of Dolby Digital soundtracks. For fully cinematic effect, always select 100%, the default. Settings of 75%, 50%, and 25% progressively reduce dynamic range, making soft sounds comparatively louder while limiting the peak loudness of loud ones.

The 25% setting will yield the least dynamic range and is best for late-night sessions or other times when you wish to retain maximum dialog intelligibility while minimizing overall volume levels.

For Dolby TrueHD sources, set the Dynamic Range Control to "Auto".

Center Spread: Center image is spread into the Left and Right speakers. It is designed to complement musical content or to spread the dialogue more evenly across a wide screen display.
   On: Center Spread function is enabled.
   Off: Center Spread function is disabled.

DTS SETUP
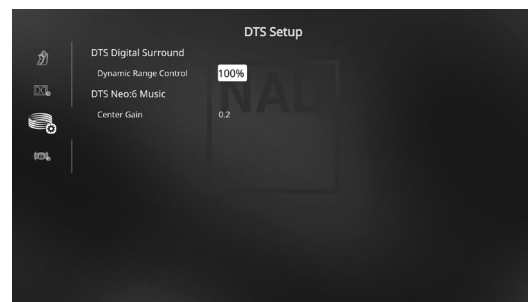
Under this menu, the Dynamic Range Control of DTS Digital Surround can be adjusted as well as the settings for DTS Neo: 6 Music.

   Dynamic Range Control: This is the same configurable Dynamic Range Control feature as described above at Dolby Setup, the only difference being the soundtrack is now in DTS format.
   Center Gain (0 to 0.5): Adjust for better center image in relation to the surround sound channels.
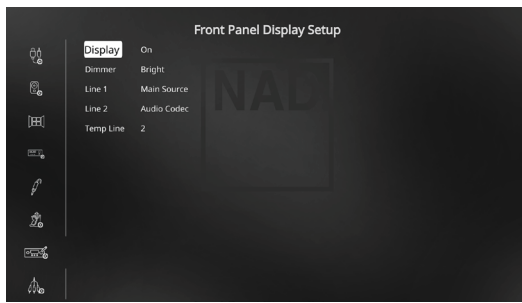
ENHANCED STEREO
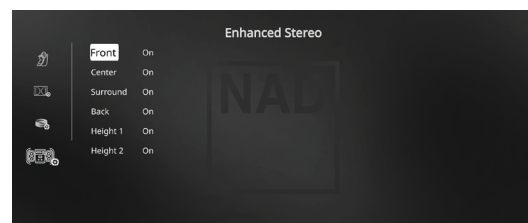
Please refer to the same description of ENHANCED STEREO under "LISTENING MODES".

OPERATION

USING THE T 758 – SETUP MENU

FRONT PANEL DISPLAY SETUP

The Vacuum Fluorescent Display (VFD) and On-Screen Display (OSD) can be shown in various ways by navigating through the parameters at the Display Setup menu.

NOTE
The configurations set forth at "Display Setup" are carried over whenever it is enabled during A/V Presets setting. Please see also the section below about "AV Presets".

Display: Select "On" to display all applicable data or characters at the VFD. Nothing will be shown at VFD if "Temp" is selected. At "Temp" setting however, whenever any of the front panel controls or their corresponding keys in the remote control is activated, the appropriate VFD characters will be shown temporarily and then fade away.
Dimmer: If it is desired to reduce the brightness of the VFD, set Dimmer to "Dim". Otherwise, select "Bright" to return to normal VFD brightness.
Line 1, Line 2: The VFD shows two main lines of data or characters. Line 2 is the line of data or characters located at the lower bottom of the VFD while directly above it is Line 1. For both lines, one can select which display could be shown by choosing through the following
    Main Source: Shows the active Source.
    Volume: Current Volume level is shown.
    Listening Mode: Selected Listening Mode is shown.
    Audio Source Format: Shows the active Source's detected audio format.
    Audio Codec: Displays the detected audio stream format like Analog, PCM Surround, Dolby TrueHD, DTS-HD Master Audio and other formats.
   **Video Mode:** Show the video resolution of the active input source. Details shown include the video resolution with frame rate. For a better understanding of these video details, consult with your NAD Audio Specialist or your distributor's technical department.
    Zone 2 Source: The assigned Source for Zone 2 is shown.
    Off: Select "Off" if it is desired not to show any data at the applicable Line.
Temp Line: Choose between Line 1 and Line 2 as the desired line where VFD will be temporarily shown if "Temp" is selected at "Display" option as described above.

A/V PRESETS
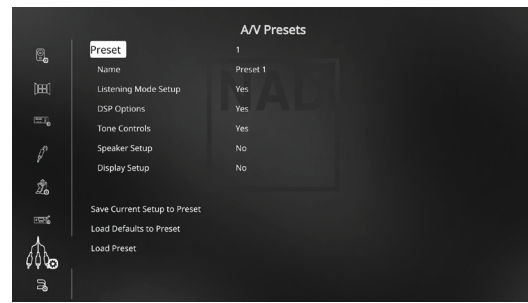
The T 758's simple but powerfully flexible system of "A/V Presets" allows you to customize virtually every aspect of your audio-video playback, and recall them with a single key-press. The parameters "Listening Mode", "DSP Options" and "Tone Controls" accessible via the "Main Menu" together with "Speaker Setup" and "Display Setup" configurable through "Setup Menu" are stored together as a single A/V Preset.

You might create one A/V Preset optimized for pop music and another for classical. One more A/V Preset can be set up to recall each family member's favorite setting or one for fully cinematic home-theater playback and yet another one for late-night movies, with each A/V Preset fine-tuned to a particular scenario or preference.

CREATING PRESETS
Creating an A/V Preset consists simply of storing a complete set of the parameters set forth in "Listening Mode", "DSP Options" and "Tone Controls" accessible via the "Main Menu" together with "Speaker Setup" and "Display Setup" configurable through "Setup Menu".

Scroll to "A/V Presets" using the [▲/▼] keys to save a collection of said parameter settings to a Preset. Select a Preset number and by pressing the [▲/▼] keys, you can selectively include in the particular A/V Preset any of the above-mentioned parameter settings by choosing "Yes". If you decide not to include in the particular A/V Preset a certain parameter setting, select "No".

Now in order to save the settings chosen for the particular A/V Preset number, scroll down to "Save Current Setup to Preset" and press the [▶] key. If you chose to load instead the default settings, scroll down to "Load Defaults to Preset" and press the [▶] key to restore the default settings.

In addition to the parameter settings, the A/V Preset label itself can be assigned a new name. This new Name will be shown in the VFD as well as on the OSD.

To rename the A/V Preset label, scroll to "Name" and press [▶] to go the first character. Then, press [▲/▼] to pick and select through the alphanumeric selections. Press [◀/▶] to move to the next character or back to the previous character and at the same time save the changes done on the current character.

NOTE
The selected A/V Preset remains in force until you select a different A/V Preset.

SAMPLE PROCEDURE FOR SETTING UP A/V PRESETS

1 Setup first your preferred settings for the following options (access them through their respective menu page).

Listening Mode Setup: As per settings in the menu

DSP Options: 5ms

Tone Controls: Tone Defeat: On

Display Setup: Set "Line 2" to "Listening Mode"

Speaker Setup: from the Speaker Setup menu, go to "Speaker Configuration" sub-menu and change "Subwoofer" from "On" to "Off": "Front" becomes "Large"

2 With the above settings, scroll to "A/V Presets" from the SETUP MENU page. Use [▶] to access "A/V Presets" menu.

3 At "A/V Presets" page, set "Preset: 1" to the following conditions - use [▲/▼] to select "Yes" or "No" and press [ENTER] to confirm selection and move on to the next setting.

While at "Save Current Setup to Preset" menu line, use [▶] to save the above settings to Preset 1. Below OSD will be shown, affirming that the above settings are now saved to "Preset 1".

When you recall "Preset 1" using the remote control (for AVR 4, "A/V PSET" + "1"), the above preset values allocated at "Preset 1" (preset settings as shown in the OSD captures at Step 1) will be recalled and effected at the current source.

4 Now, repeat again Step 1 above but this time with the following settings

Listening Mode Setup: As per settings in the menu

DSP Options: 0ms

Tone Controls: Tone Defeat: Off

Display Setup: Set "Line 2" to "Volume"

5 With the above settings, scroll to "A/V Presets" from the SETUP MENU page. Use [▶] to access "A/V Presets" menu.

6 At "A/V Presets" page, set "Preset: 2" to the following conditions - use [▲/▼] to select "Yes" or "No" and press [ENTER] to confirm selection and move to the next setting.

While at "Save Current Setup to Preset" menu line, use [▶] to save the settings above to "Preset 2". When you recall "Preset 2" using the remote control (for AVR 4, "A/V PSET" + "2"), the above preset values allocated at "Preset 2" (preset settings as shown in the OSD captures at Step 4) will be recalled and effected at the current source.

Note that "Speaker Setup" is set to "No". At this condition, there will be no "Speaker Setup" values that will be effected at "Preset 2". The "Speaker Setup" settings that will be applied at "Preset 2" will be the last or current "Speaker Setup" settings which in this sample are the same "Speaker Setup" settings shown above in Step 1.

7 You can setup up to 5 A/V Presets. These same A/V Presets can also be associated/defaulted to each Source in the "Source Setup (Normal View)" window as below.

In the above example, "Preset 1" settings are allocated for Source 1. Whenever Source 1 is accessed, the "Preset 1" settings will be applied to Source 1. You can still manually override the assigned A/V Preset allocation in a specific Source with another Preset setting/number by way of pressing the appropriate remote control buttons.
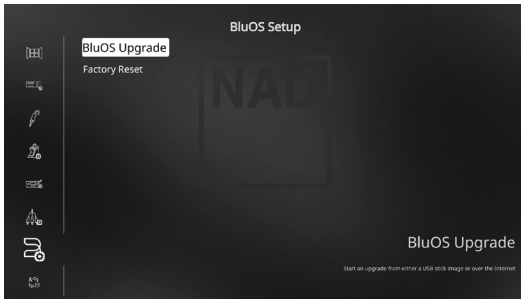
RECALLING PRESETS

You may recall an A/V Preset number at any time using the AVR 4 remote control. Press the AVR 4's A/V PSET key and then the numeric key 1-5 corresponding to the desired A/V Preset number. The newly recalled A/V Preset will then manifest or replace the previous A/V Preset (if any).

OPERATION

USING THE T 758 – SETUP MENU

BluOS SETUP

BluOS is a music management software developed by NAD's sister brand, Bluesound. BluOS adds BluOS network and internet music streaming with advanced music management to the T 758.

There are two BluOS Setup options – BluOS Upgrade and Factory Reset.

BLUOS UPGRADE
Select "Yes" to initiate BluOS upgrade mode. Ensure that the Dongle is installed and connected wirelessly. Follow the display screen prompt to complete the upgrade procedure.

FACTORY RESET
Initiate the restoring of the BluOS to its factory default settings. Select "Yes" to initiate factory reset or "No" to maintain current settings.

HOW TO SETUP WIRELESS CONNECTION
1   On your tablet or smartphone, look for the Wi-Fi network (hotspot) matching your BluOS' unique network ID, and join it. The network ID is listed as the product name (i.e. BluOS or T758) immediately followed by the last four digits in the MAC (Machine Access Control address) (example: BluOS-001A, T758-001A).

2   Open a web browser on your tablet or smartphone, enter **http://10.1.2.3** and press "Go" or ENTER.

3   A Control Panel page should appear. Select "Configure WiFi" and you will be redirected to "Configure Wireless" page.

4   Select your home network or applicable wireless network name (SSID) from the "Configure Wireless" drop down menu

5   Enter your home network's Wireless Password (Passphrase, WEP/WAP key as applicable) in the field "Enter password or key (if protected)".

   The Password (Passphrase, WEP/WAP key as applicable) is the same Password that was setup or generated during the configuration of your home router or gateway. An incorrect password entered in the "Configure wireless" menu screen will simply cause the unit to timeout and return to Hotspot Mode.

   Trying multiple passwords will not damage the device in any way. If you are not sure what is your Password, login to your router and locate the Password in the applicable setup screen for Wireless Configuration section. Refer to your router's documentation for further information.

6   Select a "Player name" from the drop down list or use the on-screen keyboard to create a customized room name in the field "Custom name".

7   Press "Update" and wait until the "Congratulations! …" page appears in the browser. This indicates successful connection to your home Wi-Fi network.

8   Reselect your home Wi-Fi network from your tablet or smartphone's main network settings.

Download the BluOS Controller App from the respective App stores of Apple iOS devices (iPad, iPhone and iPod), Android devices, Kindle Fire and Windows or Mac desktops.
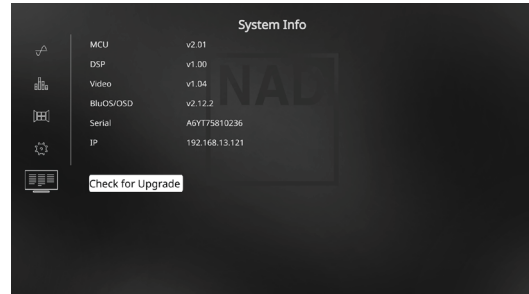
Launch the BluOS Controller App and explore everything from your streaming music services, internet radio stations, networked music collections and favorites with quick and easy single-search discovery.

SELECT LANGUAGE
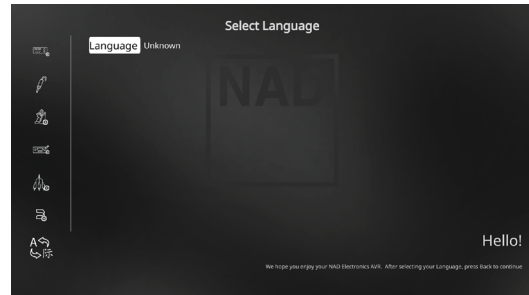
"Select Language" allows the selection of language the OSD is presented. There are two language choices – English and Chinese.

SYSTEM INFO

"System Info" displays information about the loaded firmware and BluOS versions, serial number and IP address.

The System Information details shown are for reference only.

CONDITION	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
No sound from all channels.	• AC power unplugged.	• Check AC cable connection and outlet.
	• Power not switched on.	
	• Outlet has no power.	
	• Mute function is activated.	• Toggle [MUTE] button to deactivate Mute function.
No sound from some channels.	• Faulty/missing cables.	• Check cables.
	• "Speaker Configuration" channel (s) set to "OFF".	• Check "Speaker Configuration" menu.
No sound from surround channels.	• No surround listening mode is engaged.	• Select appropriate listening mode.
	• Surround channels set to "OFF" on "Speaker Configuration" menu.	• Correct "Speaker Configuration" or "Speaker Levels" settings.
	• Surround channels level set too low on "Speaker Levels" menu.	
No sound from Subwoofer.	• Subwoofer is off, not powered or improperly connected.	• Power up subwoofer, check subwoofer's AC outlet or check connections.
	• Subwoofer set to "OFF" on "Speaker Configuration" menu.	• Correct "Speaker Configuration" or "Speaker Levels" settings.
	• Subwoofer level set too low on "'Speaker Levels" menu.	
No sound from Center channel.	• Source is a 2/0 (etc.). Dolby Digital or DTS recording without center channel.	• Play a known 5.1-channel recording or select Dolby Pro Logic IIx Music mode.
	• Center set to "OFF" on "Speaker Configuration" menu.	• Correct "Speaker Configuration" or "Speaker Levels" settings.
	• Center level set too low on "Speaker Levels" menu.	
No Dolby Digital/DTS.	• Source's digital output is not connected to a T 758 digital input.	• Check connections.
	• Source component not configured for multichannel digital output.	• Check source component setup.
T 758 does not respond to remote control commands.	• Batteries are flat or incorrectly inserted.	• Check batteries.
	• Infrared receiver (IR) window of T 758 or IR transmitter of the remote control is obstructed.	• Check IR windows and ensure clear line-of-sight from remote to T 758.
	• T 758 front panel is in very bright sunlight or ambient light.	• Reduce sunlight/room lighting.

RESET T 758 TO FACTORY DEFAULT SETTINGS

Using front panel buttons only, press and hold [SOURCE ➤], then press and release [MENU] - "Factory Reset..complete." is shown in the front panel display.

REFERENCE

SPECIFICATIONS

GENERAL SPECIFICATIONS	
Power output Stereo Mode	110W (8 ohms within rated distortion)
IHF dynamic power; 8 ohms	137W
IHF dynamic power; 4 ohms	243W
Power output Surround Mode	7 x 60W
Total harmonic distortion at rated power	<0.08%
IM distortion at rated power	<0.08%
Damping factor, 8 ohms	>60
Input sensitivity and impedance	750mV/50 kilo ohms

POWER CONSUMPTION	
Idle power	53 W
Standby power	<0.5 W

PHYSICAL SPECIFICATIONS	
Unit Dimensions (W x H x D)	435 x 172 x 397 mm (Gross)
	17 $\frac{1}{8}$ x 6 $\frac{13}{16}$ x 15 $\frac{11}{16}$ inches
Net Weight	15.4 kg (33.9 lbs)
Shipping Weight	18.0 kg (39.6 lbs)

* - Gross dimensions include feet, volume knob and extended speaker terminals.

Specifications are subject to change without notice. For updated documentation and features, please log onto www.NADelectronics.com for the latest information about T 758.

NAD

www.NADelectronics.com