# NAD T585 DVD / SACD / MP3 Player



Owner's Manual

# IMPORTANT SAFETY INSTRUCTIONS

# SAVE THESE INSTRUCTIONS FOR LATER USE. FOLLOW ALL WARNINGS AND INSTRUCTIONS MARKED ON THE AUDIO EQUIPMENT.

- 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. Use a damp cloth for cleaning.
- 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.

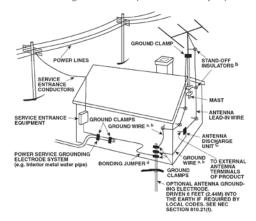
A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

- 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.

# IMPORTANT SAFETY INSTRUCTIONS

- 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.
- **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.

#### 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.

#### CAUTION

The T 585 employs a Laser System. To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location. Use of controls, adjustments or the performance of procedures other than those specified may result in exposure to laser radiation. To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when the enclosure is opened.

#### DO NOT STARE INTO BEAM.

#### **FCC NOTICE**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

#### **FCC WARNING**

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

#### **INDUSTRY CANADA REQUIREMENT**

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



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



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



The equipment draws its nominal non-operational power from the AC outlet with its POWER switch in the STANDBY position.

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

#### **CAUTION**

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

#### **CAUTION REGARDING PLACEMENT**

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

Left and Right Panels: 10 cm

Rear Panel: 10 cm

Top Panel: 50 cm

# IMPORTANT SAFETY INSTRUCTIONS

#### IMPORTANT INFORMATION FOR UK CUSTOMERS

**DO NOT** cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer. If, nonetheless, the mains plug is cut off, REMOVE THE FUSE and dispose of the PLUG immediately, to avoid possible shock hazard by inadvertent connection to the mains supply. If this product is not provided with a mains plug, or one has to be fitted, then follow the instructions given below:

#### **IMPORTANT**

**DO NOT** make any connection to the larger terminal which is marked with the letter 'E' or by the safety earth symbol or colored GREEN or GREEN AND YELLOW.

The wires in the mains lead on this product are colored in accordance with the following code:

BLUE - NEUTRAL

BROWN - LIVE

As these colors may not correspond with the colored markings identifying the terminals in your plug, proceed as follows:

The BLUE wire must be connected to the terminal marked with the letter 'N' or colored BLACK.

The BROWN wire must be connected to the terminal marked with the letter 'L' or colored RED.

When replacing the fuse, only a correctly rated and approved type should be used, and be sure to re-fit the fuse cover.

#### IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN.

#### 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.

NOTE: THE T 585 IS NOT AN AUTO VOLTAGE DVD PLAYER. CONNECT ONLY TO THE PRESCRIBED AC OUTLET, I.E., 120V 60HZ OR 230V 50HZ.

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

The model and serial number of your new T 585 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

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# THANK YOU FOR CHOOSING NAD.

The T 585 DVD/SACD/MP3 Player is a technologically advanced and highly capable product — yet we have invested great effort in making it simple and easy to use. We have been careful to ensure that the T 585 is as musically transparent and spatially accurate as possible, incorporating much of what we've learned from a quarter-century's experience designing audio and home-theater components.

As with all our products, NAD's "Music First" design philosophy guided the T 585's design, such that it can confidently promise you both state-of-theart 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 585, and get the most from this powerful and flexible home-theater component.

One more thing: We urge you to register your T 585 ownership on the NAD Worldwide Web site:

# http://NADelectronics.com/warranty

For warranty information contact your local distributor.

# INTRODUCTION

#### **GETTING STARTED**

#### **UNPACKING AND SETUP**

#### WHAT'S IN THE BOX

Packed with your T 585 you will find:

- An audio/video cable connector
- The DVD 7 remote control with 2 (two) AA batteries
- · This owner's manual

#### **SAVE THE PACKAGING**

Please save the box and all of the packaging in which your T 585 arrived. Should you move or otherwise need to transport your T 585, this is by far the safest container in which to do so. We've seen too many otherwise perfect components damaged in transit for lack of a proper shipping carton, so please: Save that box!

#### **CHOOSING A LOCATION**

Choose a location that is well ventilated (with at least several inches to both sides and behind), and that will provide a clear line of sight, within 23 feet/7 meters, between the T 585's front panel and your primary listening/viewing position. This will ensure reliable infrared remote control communications. The T 585 generates a modest amount of heat, but nothing that should trouble adjacent components. It is perfectly possible to stack the T 585 on top of other components.

#### **QUICK START**

In case you simply cannot wait to experience the performance of your new NAD T 585, we provide the following "Quick Start" instructions to get you underway.

Please make all the connections to your T 585 with the unit unplugged. It is also advisable to power-down or unplug all associated components while making or breaking any signal or AC power connections.

#### PLAY A CD OR DVD MOVIE

- Using the supplied audio/video cable connector, connect the T 585's composite VIDEO OUT jack to your TV/monitor's corresponding input.
   Connect likewise the T 585's MIXED AUDIO OUT to your TV/monitor's applicable AUDIO input.
- Plug the AC mains plug into the AC outlet; the LED indicator on the front panel will be illuminated amber indicating the T 585 is in standby mode ready to accept commands from either the front panel POWER button or [ON] key of DVD 7 remote control.
- To start playback of the DVD player; press the [OPEN/CLOSE] button on the DVD 7 remote control or in the front panel.
- Insert the media and press PLAY [▶] button to start playback. You
  should hear audio and see an image on the TV/monitor. (If one or the
  other fails to appear, check your TV/monitor's input settings or audio/
  video allocation if applicable).

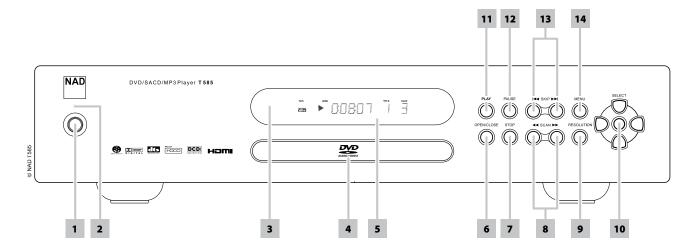
Enjoy the movie or music, but be sure to set aside time to read this manual thoroughly to set up and configure your T 585 according to your preference.

#### **ABOUT THE T 585**

Though the T 585 is among the most technically sophisticated DVD/SACD/MP3 players, we worked hard to make it one of the most musically transparent components available as well - this is what we mean by NAD's "Music First" design philosophy. Here are just a few examples

- The T 585 includes the High Definition Digital Interface (HDMI) with HDCP encryption, allowing high definition audio and video signals to be transferred between source components, processors, and TV Displays in a pure digital format.
- Using the high quality 12-bit 148.5MHz video DAC, the T 585 ensures highly accurate playback of delicate, low-level video signals as well as produce vivid picture that is faithful in every detail. On the other hand, the audiophile quality 24-bit, 192kHz audio D/A converters make the T 585 well protected from noise caused by even minute fluctuations in current from the power supply. This high performance audio D/A converter ensures that all the sound you hear is as clear and noise free as possible thereby maintaining the delivery of dynamic, smooth and expansive audio sound.
- The T 585 has exceptional playability. It has support for DVD-Video, DVD-R/-RW/+R/+RW, DVD-A, SACD, SVCD with or without PBC (Play Back Control), VCD, HDCD, Audio CD, CD-R/-RW and including recorded MP3, copyright-protected WMA and JPEG files.
- Gold-surfaced connectors are employed throughout to ensure maximum signal integrity.

#### **FRONT PANEL**



1 **POWER BUTTON:** Press this button to switch ON the T 585. The LED indicator will turn from amber to green and illuminate the VFD. Pressing the power button again turns the unit back to standby mode.

The T 585 can also be turned ON from standby mode by pressing the [OPEN/CLOSE] or [PLAY] button on the front-panel as well as on the remote control.

- **2 LED INDICATOR:** This indicator will light up amber when the T 585 is in standby state. When the T 585 is at ON state, this indicator will illuminate green.
- **3 REMOTE SENSOR:** Point the DVD 7 at the remote sensor and press the buttons. Do not expose the remote sensor of the DVD 7 to a strong light source such as direct sunlight or illumination. If you do so, you may not be able to operate T 585 with the remote control.

**Distance:** About 23 ft (7 m) from the front of the remote sensor **Angle:** About 30° in each direction of the front of the remote sensor

**4 DISC TRAY:** With the DISC TRAY open, insert a DVD, VCD, CD or other compatible media disc face down onto the tray.

"NO DISC" appears on the T 585's VFD if the disc is placed upside down (and it is a single sided disc).

- **5 VFD:** The Vacuum Fluorescent Display (VFD) provides playback information, settings and other indicators.
- 6 OPEN/CLOSE: Press this button to open and close the disc tray. When in standby, this button will also power ON the T 585 and at the same time open the disc tray.
- 7 STOP: While a DVD disc is playing, press this button once to stop/pause disc playback. When [PLAY] button is pressed, play will resume from the spot it was stopped. If [STOP] button is pressed consecutively during playback, disc playback will fully stop.

While an audio disc is playing, press this button to stop playback and re-set the pickup to the beginning of the track. The display reverts to showing the total number of tracks and total playing time of an audio disc or total number of WMA/MP3/Audio files. If the T 585 was programmed to play a selection of tracks, the program will be retained in the memory.

8 SCAN [ ◄◄/▶▶]: Press these buttons to scan at fast-forward or fast-reverse during playback. The speed of advance (reverse) is relatively slow at first. When the button is pressed again, the speed becomes faster. Each time the button is pressed, the speed increases until the maximum level is reached. The scanning speeding is shown in the OSD and may vary by disc type. The speed will be retained even after the button is released. To return to normal playback, press [PLAY].

#### NOTE

Not all media support maximum speeds for scanning.

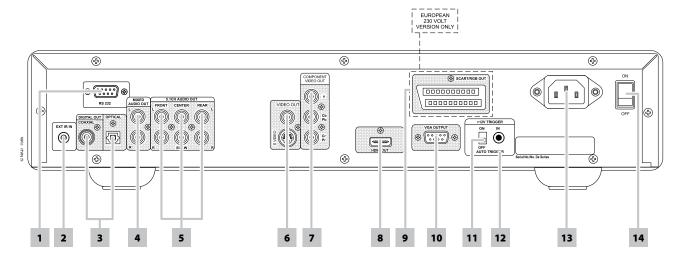
9 RESOLUTION: Use this button to change the video RESOLUTION with respect to the applicable video output. You can only change the video RESOLUTION (480p/576p, 480i/576i, 720p or 1080i) within your TV/Monitor's resolution capabilities.

Refer also to the VIDEO  $\,$  OUTPUT  $\,$  TABLE section of  $\,$  REFERENCE - VIDEO  $\,$  SETTING  $\,$  page.

- **10 NAVIGATION AND ENTER BUTTONS:** The navigation buttons [▲/▼/◄/▶] in conjunction with the [ENTER] button allows one to navigate the OSD, title and menu screens.
- 11 PLAY: Press this button to start playback. If the disc tray is open, press this button to automatically close the tray and start playback if a disc is loaded.
- **12 PAUSE:** Press this button to toggle between Play and Pause of a DVD, VCD, CD and other compatible media disc.
- **13 SKIP [I→→ >D]:** Press [▶▶**I**] to skip forward or [**I→→**] to skip backward a track, file or chapter.
- **14 MENU:** The MENU button is used to display via OSD the menus of the DVD, SACD, VCD, SVCD with PBC and MP3/WMA/JPEG media when available. The MENU button will also allow you to select between CD and SACD layers of SACD media.

# **IDENTIFICATION OF CONTROLS**

#### **REAR PANEL**



#### ATTENTION!

Please make sure that the T 585 is powered off or unplugged 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 RS-232: Connect this interface via RS-232 serial cable (not supplied) to any Windows® compatible PC to allow remote control of the T 585 through NAD's proprietary PC software or other compatible external controllers.

Please log on to www.nadelectronics.com/software for the latest PC interface control software.

NAD is a certified partner of AMX and Crestron and fully supports these external devices. See your NAD audio specialist for more information.

2 EXT 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 585 from a remote location.

Most NAD products with IR OUT are fully compatible with the T 585.

- 3 DIGITAL OUT (COAXIAL, OPTICAL): Connect the optical or coaxial digital OUT ports to the corresponding S/PDIF digital input of a compatible device such as CD recorders, receivers, computer soundcard or other digital processors.
- **4 MIXED AUDIO OUT:** Connect to the corresponding analog audio input of an amplifier, receiver or stereo system.
- 5 5.1CH AUDIO OUT: The T 585 contains a multi-channel decoder. It enables playback of discs recorded in multi-channel surround without the need for an optional decoder.

Connect to the corresponding multi-channel audio input of a receiver or a processor.

6 VIDEO OUT/S-VIDEO OUT: Connect to video input of a TV/monitor using quality dual-RCA and/or S-Video cables designed for video signals. In general, the S-Video connection is superior and should be used if your TV/monitor provides the corresponding input.

7 COMPONENT VIDEO OUT: Connect the T 585's COMPONENT VIDEO OUT to the component video input of a compatible TV/monitor/ or an A/V Receiver with component video input. Be sure to observe consistency in connecting the appropriate Y, Cb/Pb, Cr/Pr jacks to the corresponding sources/inputs. Do not rely purely on the color coding of the jacks, which may not always be consistent among brands.

Refer also to the item on VIDEO OUTPUT at the VIDEO SETUP MENU section of the OPERATION - USING THE T 585 - SETUP MENU page.

8 HDMI OUT: Using a HDMI cable (not supplied), connect the HDMI OUT jack to the corresponding HDMI input jack of an HDTV, a projector or an AVV Receiver.

Set "HDMI" to "ON" at the "Video Output" section of the VIDEO SETUP menu for audio/video to be available at HDMI OUT.

Refer also to the item on VIDEO OUTPUT at the VIDEO SETUP MENU section of the OPERATION – USING THE T 585 – SETUP MENU page.

#### WARNING

Before connecting and disconnecting any HDMI cables, both the T 585 and the ancillary device must be powered OFF and unplugged from the AC outlet. Failure to observe this practice may cause permanent damage to all equipment connected via HDMI sockets.

- 9 SCART/RGB OUT (Europe model/PAL only): Connect the T 585's [SCART/RGB OUT] to the SCART/RGB video input of a compatible TV/ monitor. Be sure to observe the correct orientation of the SCART/RGB plug (not supplied).
- 10 VGA OUTPUT: Using a VGA cable (not supplied), connect this VGA output port to a VGA-compatible external monitor. This VGA port is compatible with the following resolutions VGA (640 x 480), XGA (1024 x 768) and SXGA (1280 x 1024).

Set "VGA" to "ON" at the "Video Output" section of the VIDEO SETUP menu for video to be available at VGA OUTPUT.

Refer also to the item on VIDEO OUTPUT at the VIDEO SETUP MENU section of the OPERATION – USING THE T 585 – SETUP MENU page.

# **IDENTIFICATION OF CONTROLS**

#### **REAR PANEL**

11 +12V TRIGGER (ON/OFF AUTO TRIGGER): When the AUTO TRIGGER switch is set to ON and the POWER switch at the rear panel also set to ON position, a +12V DC input at +12V TRIGGER IN will power ON the T 585. At this ON condition, the POWER button in the front panel as well as the corresponding DVD 7 [ON/OFF] keys will be disabled effectively handling this function to an external controller.

When the AUTO TRIGGER switch is set to OFF position, the T 585 ignores any +12V TRIGGER IN command; the unit can be powered ON/OFF using the POWER button in the front panel or DVD 7 [ON/OFF] keys (make sure the POWER switch at the rear panel is at ON setting as well).

**12 +12V TRIGGER IN:** Accepts 12V DC Trigger output from compatible components such as power controllers and home automation devices. When the AUTO TRIGGER switch at the rear panel is set to ON, a +12V DC input at +12V TRIGGER IN will power ON the T 585 (make sure the POWER switch at the rear panel is also set to ON position).

All NAD products with +12V TRIGGER OUT feature are fully compatible with the T 585's +12V TRIGGER IN.

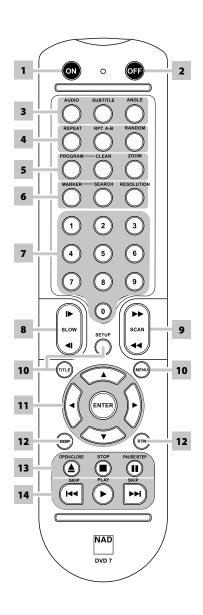
- **13 AC POWER INLET:** Connect to the supplied IEC-standard removable AC power cord or a compatible cord.
- **14 POWER SWITCH:** The POWER switch supplies the master AC mains power for the T 585. When this switch is at ON position, the T 585 is in standby mode as shown by the amber status condition of the LED indicator. At this condition, the T 585 can be powered ON by pressing the POWER button on the front panel or [ON] key of DVD 7 remote control.

In combination with +12V TRIGGER (AUTO TRIGGER switch set to ON), this POWER switch must be at ON position for the T 585 to be powered ON via a +12V DC input at +12V TRIGGER IN.

If you intend not to use the T 585 for long periods of time, set the POWER switch to the OFF position.

# **IDENTIFICATION OF CONTROLS**

#### **DVD 7 REMOTE CONTROL**



1 ON: Power ON T 585.

2 OFF: Power OFF T 585.

**3 AUDIO:** Selects an audio language or audio format.

**SUBTITLE:** Selects a subtitle language. **ANGLE:** Selects a DVD camera angle if available.

4 **REPEAT :** Repeat chapter, track, title, file or

RPT A-B: Repeat sequence.

**RANDOM:** Plays tracks in random mode.

5 PROGRAM: Enter or exit program mode. CLEAR: Remove a track or file number on the program list, or delete a bookmark. ZOOM: Enlarges video image.

6 MARKER: Marks any point during playback. SEARCH: Display MARKER SEARCH menu. RESOLUTION: Change video resolution depending on your TV.

7 0-9 number buttons: Selects numbered items in a menu; when possible, use for direct entry of track or file number.

**8 SLOW [ ◄ I / I ► ]:** Reverse or forward slow playback.

**9 SCAN** [ **◄◄/▶▶** ]: Fast reverse or forward search.

**10 TITLE:** Displays the disc's Title menu, if available.

**MENU:** Access menu on a DVD disc. **SETUP:** Accesses or exits setup menu.

11 [▲/▼/◄/▶]: Selects an item in menu.ENTER: Acknowledges menu selection.

**12 DISP:** Access on-screen display. **RTN:** Exit from a menu window.

**13** [▲] **(OPEN/CLOSE)**: Opens and closes the

**STOP:** Stops playback.

**PAUSE:** Pauses playback temporarily/press repeatedly for frame-by-frame playback.

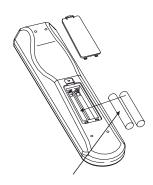
**14 SKIP [I◄]**: Go to the beginning of current chapter, track or file /go back to the previous chapter, track or file.

**SKIP** [►►I]: Go to next chapter, track or

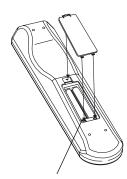
PLAY: Starts playback.



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



Place batteries into opening. Ensure the correct fitting is observed.



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

#### **USING THE T 585**

You may operate the T 585 DVD/SACD/MP3 Player from its front panel or via the DVD 7 remote control. Since the remote will be the primary controller for most cases, we will focus on remote-controlled operations. Be sure also to read the section, IDENTIFICATION OF CONTROLS – FRONT PANEL.

#### **REGION MANAGEMENT INFORMATION**

The T 585 is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number shown on the back of the T 585, the player cannot play that disc. The VFD and OSD will display 'CHECK REGION CODE!' when an incompatible region disc is loaded.

#### **PLAYABLE DISCS**

The T 585 has exceptional playability. It has support for DVD-Video, DVD-R/-RW/+R/+RW, DVD-A, SACD, SVCD with or without PBC (Play Back Control), VCD, HDCD, Audio CD, CD-R/-RW and including recorded MP3, copyright-protected WMA and JPEG files.

#### NOTE

You cannot playback discs other than those listed above such as Video, CD-CD-ROM, CD-Extra, CD-G, photo-CD, and CD-i data discs. To do so may render the T 585 permanently inoperable.

#### **DISC LOADING AND PLAYBACK**

You can open the disc tray by pressing [OPEN/CLOSE] button even if the T 585 is in standby mode. The LED indicator will turn from amber to green. Place a disc on the disc tray with the playback side down.

There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the T 585 to malfunction. "NO DISC" appears on the T 585's VFD if the disc is placed upside down (and it is a single sided disc).

The following are important tips when loading a disc

- Do not push the disc tray while it is moving. Doing so may cause the T 585 to malfunction.
- Do not push up the disc tray or put any objects other than discs on the disc tray. Doing so may cause the T 585 to malfunction.
- Keep your fingers well clear of the disc tray as it is closing. Be especially
  careful with children's fingers around the closing disc tray, as there is a
  risk of personal injury.

Press [PLAY], the disc tray is automatically closed and playback begins. Press the DVD 7's numeric button(s) to select the desired track (CD) and then ENTER. Play of the selected item now begins. For DVD or other disc media, playback operation is accessible through the disc's MENU.

#### NOTE

Do not move the T 585 during playback. Doing so may damage the disc and the T 585.

#### ABOUT THE ON-SCREEN DISPLAY (OSD)

The T 585 employs a self-explanatory on-screen display "menu" that will appear on the connected TV/monitor. These are required during the setup process (and are useful in day-to-day operation), so be sure to connect the TV/monitor before proceeding with setup.

#### **DISPLAY THE T 585 SETUP MENU**

Press the DVD 7's [SETUP] button for the Setup Menu OSD to appear. With the use of the DVD 7's navigation buttons, you may select various menus. If the Setup Menu does not appear, check your applicable video connections.

#### **NAVIGATING THE SETUP MENU OSD AND MAKING CHANGES**

To navigate through the Setup Menu OSD options, please do the following using the DVD 7 remote control:

- 1 Use [▲/▼] keys to move up or down the menu selections.
- 2 Press [▶] or [ENTER] to select a menu item. Pressing [◄] will also return the user to the previous menu or exit from a particular menu.
- 3 Press [ENTER] to select a desired setting/selection.

To exit from a menu option, press repeatedly the DVD 7's [RTN] key as applicable or the [SETUP] key to exit completely.

#### **DISPLAY DISC OSD**

You can display the general DVD playback status on the TV screen. Some items can be changed using the menu. To access the DVD on-screen display:

- 1 Press the DVD 7's [DISP] button during playback.
- Use [▲/▼] to select an item.
   The selected item is highlighted.
- 3 Press [◄/►] to change the setting. Use the number buttons if appropriate (e.g. inputting the title number). For some functions, press [ENTER].



#### NOTES

- The display feature may not be available for all disc media and is media dependent.
- If no button is pressed for about 10 seconds, the on-screen display disappears.

#### **OPERATION**

#### **USING THE T 585 - SETUP MENU**

#### **SETUP MENU**

The Setup Menu allows one to customize the operation of the T 585. If the factory defaults do not suit your taste, you will need to use the setup menu to configure the T 585 yourself.

The Setup Menu is divided into 4 sections. Each section is depicted by an icon. Below is a sample of these section icons – corresponding description labels are added beside the icons (these labels will not be shown in the actual SETUP menu OSD).



Language

Video

Audio

Parental Control

System

To access and navigate through the Setup Menu selections, please refer to and follow the directions stated in the above section about "NAVIGATING THE SETUP MENU OSD AND MAKING CHANGES".

#### **LANGUAGE SETUP MENU**



#### OSD

Select a language for the On Screen Display (OSD). The following are the available languages – English, French, German, Dutch, Spanish, Italian, Portuguese and Swedish.

#### DISC AUDIO/DISC SUBTITLE/DISC MENU/DISC TEXT

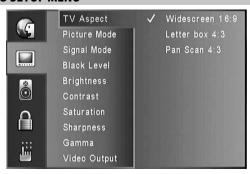
Depending on the DVD media, only those Disc Audio, Disc Subtitle, Disc Menu and Disc Text languages recorded on the DVD media are available. When a language is chosen, it will become the default setting unless the DVD media overrides the settings.

Select among Original, English, French, German, Italian, Spanish, Swedish Portuguese and Other as the desired language setting.

Select "Other" to manually key-in the language code of other languages listed in the "LANGUAGE CODE LIST" of the REFERENCE section. Press [ENTER] to select "Other" option. Key-in directly the 4-digit code of the desired language while at "Other" option and then press [ENTER].

If you choose for the disc subtitle not to come up, select [OFF].

#### **VIDEO SETUP MENU**



#### **TV ASPECT**

Set TV aspect to select a picture size matching the aspect ratio of your TV/Monitor.

Select "4:3 Pan Scan" or "4:3 Letter Box" when a standard 4:3 TV is connected. **Letter Box 4:3**. Displays a wide picture with bands on the upper and

lower portions of the screen.

**Pan Scan 4:3**. Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

**Widescreen 16:9.** Select when a 16:9 wide TV is connected. Set the widescreen TV to FULL mode if necessary.

#### NOTE

If you have a 16:9 display device and you have defaulted TV ASPECT to "Widescreen 16:9", it does not mean you will always see movies in this format - Widescreen 16:9 display format must be supported by the disc being played in order to view the movie in widescreen format.

#### **PICTURE MODE**

Set Picture Mode according to the type of content being viewed. There are two types of source content in pictures recorded in DVD video discs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second).

**Auto:** Identifies the type of material on the disc being played (film or video) and automatically selects the picture mode.

**Film:** Select when the disc contains film material recorded with the progressive scan mode.

Video: Select when the disc contains video material only.

#### **SIGNAL MODE**

Depending on the type of TV/Monitor set you own, select the signal mode you wish to watch your disc. Refer to your TV/Monitor's owner's manual to check its signal or system mode capabilities.

**Auto:** Automatically detects the signal mode of your TV/Monitor. **NTSC:** Select when the signal mode of your TV/Monitor is NTSC system.

**PAL:** Select when the signal mode of your TV/Monitor is PAL system. **PAL-60:** Sometimes knows as "pseudo-PAL" with "60" standing for 60Hz instead of the normal 50Hz applicable for PAL system. This signal mode is mostly applicable for VCR or video consoles.

#### **BLACK LEVEL (NORTH AMERICA VERSION ONLY)**

Black level determines the amount of light a picture display emits for the darkest areas of an image.

0: Standard black level setting.

**+7.5 IRE:** IRE stands for Institute of Radio Engineers - higher IRE numbers mean more brightness.

#### **USING THE T 585 - SETUP MENU**

#### BRIGHTNESS/CONTRAST/SATURATION/SHARPNESS/GAMMA

Picture Setting adjustment is available for the following options.

**Brightness:** Adjust overall brightness of the image.

Contrast: Adjust bright areas (white level) in the image.

**Saturation:** Adjust the dullness or richness of image color. A color with absolutely no saturation is going to be gray. A color that is 100% saturated is in its most intense form.

**Sharpness:** Picture sharpness could be easily lost during the recording/playback process. Adjust sharpness to improve the fine details of the picture

**Gamma:** Adjust intensity of the picture non-linearly. Select when an image's dark portions appears obscure or bright portions become brighter than necessary.

#### **NOTES**

- The level of adjustment for Brightness, Contrast, Saturation and Sharpness (all defaulted to "0") range from -4 to +4 while Gamma is from 0.761 up to 1.315.
- Refer also to the item on PICTURE SETTING ADJUSTMENT at the VIDEO SETTING section of the REFERENCE page.

#### **VIDEO OUTPUT**

Turn ON/OFF either HDMI audio/video OUT or VGA OUT. HDMI OUT and VGA OUTPUT can only be turned ON one at a time – if HDMI is set to ON, VGA is automatically set to OFF and vice versa.

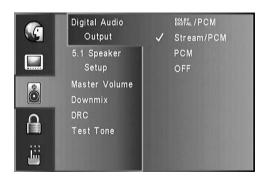
#### SCART (EUROPE MODEL ONLY)

SCART carries both composite video and RGB signals. Select the video output signal that will be routed over SCART OUT.

**CVBS:** Select to output composite video signals.

**RGB:** Split the signal into the three fundamental colors Red, Green and Blue (RGB) resulting to greater picture resolution and elimination of artifacts associated with traditional composite video signals.

#### **AUDIO SETUP MENU**



#### **DIGITAL AUDIO OUTPUT**

Each DVD disc has a variety of audio output options. Set the player's Digital Audio Output according to the type of audio system you use.

**DOLBY DIGITAL/PCM:** Select DOLBY DIGITAL/PCM if an active digital output is supplied to a Dolby Digital decoder (or an amplifier or other equipment with Dolby Digital decoder). In this mode, the T 585 will automatically switch between Dolby Digital and PCM depending on the program encoded on the disc, with Dolby Digital given priority. DTS is not possible with this setting.

**Stream/PCM:** Select Stream/PCM if an active digital output is supplied to an amplifier or other equipment with DTS decoder, Dolby Digital decoder and MPEG decoder. If the disc is neither of stream or PCM format, there will be no audio output at this option.

**PCM:** Select when connected to a two-channel digital stereo amplifier. DVDs encoded in Dolby Digital or MPEG will be automatically

downmixed to two-channel PCM audio. DTS cannot be downmixed to two-channel PCM.

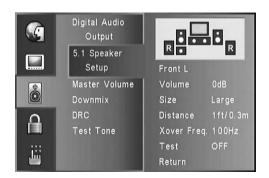
**Off:** Select to turn off digital audio output. With this option, you will have purely analog audio output.

#### NOTES

- If an active digital audio output signal is supplied to a receiver or other equipment without a corresponding digital decoding capability, a very loud noise may be produced which could permanently damage the speakers.
- The DTS DVD disc sound is played back only when the DVD player is connected to a receiver with a DTS decoder.

#### **5.1 SPEAKER SETUP**

This option allows you to configure the 5.1 CHANNEL AUDIO OUT of the T 585. Digital audio output will not be affected by the settings done in this section. Use  $[\blacktriangle/\blacktriangledown]$  keys to select a menu item and  $[\blacktriangleleft/\blacktriangleright]$  keys to adjust the settings of the selected item.



#### **SPEAKER SELECTION**

Select a speaker that you want to adjust - Front L, Center, Front R, Rear R, Rear I, or Subwoofer.

#### SIZE

**Small:** Select if you have connected to a system with speakers that lacks significant deep bass response - about 150Hz below.

**Large:** Select if you have connected to a system with full frequency speakers capable of deep bass response.

None: Select when you do not have a certain speaker connected.

Front L/R speaker's size can only be set to "Large" or "Small". If Front L/R speaker's size is set to "Small", Rear and Centre speaker's size can only be set to "Small" or "None".

Subwoofer's size can be set only to "Large" or "None".

#### **VOLUME**

Adjust the output level of the selected speaker from -10dB up to a maximum of 0dB.

#### DISTANCE

Setting the Distance lets the speakers know how far the sound has to travel to reach your set listening point. This allows the sound from each speaker to reach the listener at the same time.

Distance can be adjusted within 1ft (0.30m) up to 20ft (6m).

DISTANCE setting is not applicable for Subwoofer.

#### **OPERATION**

#### **USING THE T 585 - SETUP MENU**

#### **XOVER (CROSSOVER) FREQUENCY**

Set the frequency level where bass redirection starts. Frequencies below the set level are redirected to the subwoofer while those above are not redirected. Crossover frequency can be set from 80Hz up to a maximum of 150Hz; it is applicable only to SUBWOOFER.

#### **TFST**

Select ON to test the signal of each speaker. Adjust the volume to match the volume of test signals memorized in the system. You can adjust the volume while operating the test tone - use  $[\blacktriangle/\blacktriangledown]$  buttons to select Volume or Speaker option then use  $[\blacktriangleleft/\blacktriangledown]$  buttons to select speaker or adjust volume level. If you adjust the volume while operating the test tone, the test tone will be held paused in the current speaker channel.

#### **RETURN**

Press to go back to the previous menu screen.

#### MASTER VOLUME

Adjust the audio output level of the T 585 from -50dB up to a maximum of  $0 \, \mathrm{dB}$ .

#### **DOWNMIX**

Downmix allows you to enjoy a 5.1 or 7.1 channel media regardless of how many speakers you have. In Downmix, the analog stereo output could be processed into two different types of stereo Downmix.

**Lt/Rt:** Surround-compatible Downmix known as Left-total/Right-total, also known as Lt/Rt. This is a multi-channel source suitable for Dolby Pro Logic II, Dolby Pro Logic IIx, or other matrix decoding. The Lt/Rt Downmix sums up all the Surround channels, attenuates them by 3 dB and adds them out-of-phase to the Left Front speaker channel and in-phase to the Right Front speaker channel. This allows a home theater decoder to produce Front Left, Center, Front Right, Surround Left and Surround Right as well as Surround Back Left and Right channels.

**Stereo:** Stereo Downmix is suitable for playback on a two-channel stereo system or on headphones. Stereo Downmix adds the Center, Left Surround, and Right Surround channels discretely to the Stereo Left and Stereo Right speaker channels. This preserves correct stereo separation for stereo-only listening.

Off: Audio content will not be subjected to downmixing.

#### **DYNAMIC RANGE CONTROL (DRC)**

With the DVD format, you can hear a program's soundtrack in the most accurate and realistic presentation possible, thanks to digital audio technology. However, you may wish to compress the dynamic range of the audio output (the difference between the loudest sounds and the quietest ones).

**ON:** The ON setting is for late-night sessions or other times when you wish to retain maximum dialog intelligibility while minimizing overall volume levels. This is applicable only for Dolby Digital soundtracks. **OFF:** To maintain full dynamic range, set to OFF.

#### **TEST TONE**

A test tone can be enabled to help you check out availability of 5.1 channel audio OUT and related connections.

**ON:** Test tone automatically cycles through each channel.

**OFF:** Stop test tone cycle.

If you do not hear the test tone, check your line and speaker connections or 5.1 SPEAKER SETUP configurations.

#### **PARENTAL CONTROL SETUP MENU**



Some movies contain scenes that may not be suitable for children to view. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8, depending on the country. Some discs offer more suitable scenes as an alternative.

#### **RATING (NORTH AMERICA VERSION ONLY)**

The RATING feature allows you to block access to scenes greater than the rating you have set up, thereby preventing your children from being able to view material you believe is unsuitable. To activate "Rating", please be guided by the following:

- 1 While at "Rating" line menu, press [ENTER].
- 2 "Password \_ \_ \_ " will appear indicating that a password is needed to change the ratings level.
- **3** Input the password you have setup at the "Password" as discussed below. Press [ENTER].
- **4** Upon entering the correct password, you can now set the parental rating level you prefer. Use [ **▲/▼**] to step through the rating levels.
- **5** Press [ENTER] to select and save the rating level you have chosen.

#### **RATING 1-8**

Rating one (1) has the most restrictions and "8" is the least restrictive.

#### UNLOCK

If you select unlock, parental lock is not active and the disc plays in full.

#### NOTE

Should you forget your password, reset your password by restoring the T 585 to its factory default settings. See "RESTORE SETTINGS" below on how to reset the T 585 to its factory default settings.

#### **COUNTRY CODE**

Enter the code of the country/area whose standards were used to rate the DVD video disc.

- 1 While at "Country Code" line menu, press [ENTER].
- 2 "Password \_ \_ \_ " will appear indicating that a password is needed to change the ratings level.
- 3 Input the password you have setup at the "Password" as discussed below. Press [ENTER].
- 4 Upon entering the correct password, you can now set the Country
- 5 Use [▲/▼] to select the first character. Press [▶] to go to the second character
- 6 Use [ ▲/▼] to select the second character. Press [ENTER] to finalize and save the selected country code.

#### **USING THE T 585 - SETUP MENU**

#### **SYSTEM SETUP MENU**



#### **PASSWORD**

PASSWORD is needed to gain access to the "Rating" and "Country Code" items of the PARENTAL CONTROL setup menu section.

- 1 While at "Password" line menu, press [ENTER].
- 2 "New Password \_\_\_\_" will appear indicating that you have to enter a new password. "New Password \_\_\_\_" will only be available when you use for the first time your T 585 or when you have restored it to its default settings.
- 3 Input your desired 4-digit password and then press [ENTER].
- 4 Upon entering your new password, "Verify \_ \_ \_ " will appear prompting you to re-enter the same 4-digit password to verify entry of correct password.
- 5 Press [ENTER] to confirm password entry. Your new password is now activated.

An existing password can be changed through the following steps.

- 1 While at "Password" line menu, press [ENTER].
- 2 "Old Password \_ \_ \_ " will appear indicating that you have to enter your existing password.
- 3 Input your existing 4-digit password and then press [ENTER].
- **4** "New Password \_ \_ \_ " will appear indicating that you now have to enter a new password.
- 5 Upon entering your new password, "Verify \_ \_ \_ " will appear prompting you to re-enter the same 4-digit password to verify entry of correct password.
- 6 Press [ENTER] to confirm password entry. Your new password is now activated.

#### NOTE

If the password entered is incorrect, you will remain in the same menu screen like "Old Password\_\_\_\_" or "Verify\_\_\_\_". You cannot move forward to the next sequence unless the correct password is entered. Press [ ] to exit the sequence if you are unable to enter the correct password.

#### RESTORE SETTINGS

If you desire to reset the T 585 and restore all its factory default settings, the following steps should be followed.

- 1 While at "Restore Settings" line menu, press [ENTER].
- 2 At "Yes" menu line, press [ENTER].
- **3** "Password \_ \_ \_ " will appear. In quick succession, press 5851 for North American version model or 5852 for Europe version model.
- 4 "Load default AH Setting!" (North American version) or "Load default C Setting!" (Europe version) will be shown in OSD – this indicates that the T 585 is already restored to its factory default settings.

#### **OTHERS**

PBC: Set Playback Control (PBC) to On or Off.

**ON:** Video CDs with PBC are played according to the PBC. **OFF:** Video CDs with PBC are played the same way as Audio CDs.

**AUTOPLAY:** You can set up the DVD Player to automatically start disc playback upon loading of a DVD disc. If Auto Play mode is set to ON, this DVD player will search for the title that has the longest playback time and then play back the title automatically.

**ON:** Auto Play function is active. **OFF:** Auto Play function is not active.

#### NOTE

The Auto Play function may not work for some DVDs.

#### **OPERATION**

#### **USING THE T 585 - FEATURES**

#### **ABOUT HDMI**

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD Players, Set-Top Boxes, and other AV devices. HDMI was developed to provide the technologies of HDCP (High Definition Contents Protection). HDCP is used to protect digital content transmitted and received.

HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio. HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second, one connector (instead of several cables and connectors) and communication between the AV source and AV devices such as DTVs.

#### **HDMI CONNECTION**

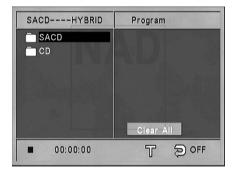
If you have a HDMITV or monitor, you can connect it to this player using a HDMI cable (not supplied).

- Connect the HDMI OUT jack on the player to the HDMI jack on a HDMI compatible TV/monitor.
- Set the TV's source to HDMI (refer to your TV/monitor's Owner's manual).

When you use HDMI connection, you can change the resolution (480i/576i, 480p/576p, 720p, 1080i) for the HDMI output by pressing RESOLUTION. You can only change the resolution within your TV/Monitor's resolution capabilities.

#### **SACD PLAYBACK**

Some SACD discs contain both SACD layer and the standard CD layer. They are normally called Hybrid SACDs. From the window screen below, press the appropriate folder to select the desired layer. Press [ENTER] or [PLAY] to start disc playback.



#### SWITCH FROM SACD TO CD LAYER

During SACD or CD layer playback, press [MENU] button to go back to the above menu screen and switch to SACD or CD layer.

#### 2-CHANNEL AND MULTI-CHANNEL SACD

Some SACDs consist of 2-channel area and a multi-channel playback area. The multi-channel characteristic of the Super Audio CD features a speaker allocation system basically similar to the 5.1 channel output of current AV systems

To switch between 2-channel and multi-channel during playback and vice versa, press DVD 7's [ $\blacktriangleleft$ / $\triangleright$ ] as indicated in the OSD.

#### NOTE

SACD audio output is available only at 5.1 CHANNEL AUDIO OUT and MIXED AUDIO OUT. There is no SACD audio output at DIGITAL OUT.

#### **DVD AUDIO PLAYBACK**

DVD Audio is a new disc format building on the success of DVD to provide high quality, uncompressed, multi-channel audio for a new experience in audio quality. A DVD Audio disc can be identified by the DVD audio logo on the disc jacket or on the disc itself.

DVD Audio can provide higher quality stereo than Audio CDs with a sampling rate of up to 192kHz (compared to 44.1kHz for CDs). DVD Audio digital sound can be delivered with up to 24 bits of data (compared to 16 bits for a standard CD). A typical DVD Audio disc contains up to seven times the data capacity of a CD. This additional space is used for music, either Advanced Resolution multi- channel sound quality that is closer to the artist's master recording or for longer recordings.

Many DVD Audio discs contain on-screen text, such as artist biographies, playlists, or lyrics. Some DVD Audio discs contain photo galleries or video clips.

Follow the DVD-A disc's on-screen menu to navigate through the contents and playback options.

#### PLAYING MP3/WMA/JPEG



The T 585 can play MP3/WMA formatted recordings on CD-R or CD-RW discs as well as view discs with JPEG files. You may mix any of the file types on the disc.

- Load the applicable disc. The OSD will display the folders or files as a list.
   Use the DVD 7's [ ▲/▼/◄/►] keys to navigate through the folders or files. You must be at stop mode to access folders on the left side of the menu window.
- 2. Press ENTER or PLAY to start playback. For each file type being played, the T 585 will display the file type at the VFD.

#### **RANDOM PLAY**

Press the DVD 7's [RANDOM] button for random playback of applicable file types.

#### **USING THE T 585 - FEATURES**

#### **ROTATE PICTURE**



Press [ $\Delta/\nabla/4/\mathbf{\triangleright}$ ] keys during the showing of a picture to rotate the picture clockwise, counter clockwise or reflect the image as if in a mirror.

#### NOTE

During playback of any file, press [MENU] to return to the main ROOT menu.

#### **PROGRAMMING**



The program function enables you to store your favorite tracks from any disc in the player memory. When programming a sequence of tracks, the T 585 must be in stop mode. A program can contain 20 tracks. To program the sequence

- Insert a disc.
   Audio CD or MP3/WMA discs: CD or MP3/WMA menu appears.
- 2 Press [PROGRAM]. An "E" icon will appear to the right of the word "Program" on the right side of the menu screen.
- 3 Use [▲/▼] to select a track/file from the list on the left side of the menu screen. Press [ENTER] to place the selected track/file on the "Program" list. Repeat to place additional tracks/files on the list.
- **4** Select the track/file you want to start playing from the "Program" list.
- 5 To begin playback, press [▶] or [ENTER]. Playback follows the order in which you programmed the tracks/files. Playback stops after all of the tracks/files on the "Program" list have been played once.
- 6 To resume normal playback from programmed playback, select a track/ file on the left side of the menu screen and then press [PLAY].

#### **ERASING A TRACK FROM PROGRAM LIST**

- 1 Use [▲/▼] to select the track that you wish to erase from the Program list
- 2 Press [CLEAR]. Repeat to erase additional tracks on the list.

#### **ERASING THE COMPLETE PROGRAM LIST**

From the Program list menu, use [  $\blacktriangledown$  ] to select "Clear All" and then press [ENTER].

#### **LAST SCENE MEMORY**

This player memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the player or switch off the player. If you load a disc that has the scene memorized, the scene is automatically recalled.

#### NOTE

This player does not memorize the scene of a disc if you switch off the player before commencing to play the disc.

#### **AUTOMATIC POWER OFF FUNCTION**

The T 585 will automatically shut down and go to standby mode if it is left at STOP or PAUSE mode for 5 minutes.

# **OPERATION**

#### OTHER FUNCTIONS USING THE DVD 7 REMOTE CONTROL

Depending on the media, the following are other basic functions that can be directly accessed using the DVD 7 remote control.

#### **AUDIO**



The AUDIO button will allow one to switch the audio language or format of the DVD media only if the DVD media supports the AUDIO button feature.

Press [AUDIO] repeatedly to select desired audio language or format.

#### **SUBTITLE**



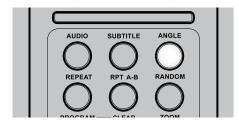
It is possible to change the subtitle language to a different language from the one selected at the initial settings. This operation works only with discs on which multiple subtitle languages are recorded.

- Press [SUBTITLE] during playback. When no subtitles are recorded, "OFF" will be displayed.
- 2 Press [SUBTITLE] repeatedly until the desired language is selected.

When the desired language is not selected even after pressing the button several times, it means that the language is not available on the disc.

To eliminate the On Screen Subtitles, press [SUBTITLE] repeatedly to select "OFF".

#### **ANGLE**



Some DVDs may contain scenes that have been shot simultaneously from a number of different angles. For these discs, the same scene can be viewed from each of these different angles using the ANGLE button. This function only works for discs having scenes recorded at different angles.

1 Press [ANGLE] during playback. Angle number will be displayed.



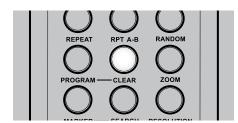
2 Press [ANGLE] repeatedly until the desired angle is selected.

#### **REPEAT**



To repeat the playback of a particular track, file or chapter, press the T 585's [REPEAT] key once. Pressing the same [REPEAT] key a second time will repeat all the tracks, files or title. Turn off repeat mode by pressing REPEAT button a third time.

#### **REPEAT A-B**



To repeat a sequence, implement the following procedures:

- 1 Press [RPT A-B] at your chosen starting point.
- 2 Press [RPT A-B] again at your chosen end point. The repeat sequence begins.
- **3** Press [RPT A-B] again to cancel the sequence.

#### OTHER FUNCTIONS USING THE DVD 7 REMOTE CONTROL

#### **RANDOM PLAY**



Press DVD 7's [RANDOM] key during playback. A corresponding "RANDOM" icon is illuminated at the VFD. By pressing [▶►■] or [◄◄], random playback automatically begins. Press [RANDOM] again to return to normal playback.

#### ZOOM



Use [ZOOM] to enlarge the video image. Press [ZOOM] during playback or still playback to activate the Zoom function.

Depending on the media, each press of the ZOOM button changes the TV screen in the following sequence:  $ZOOM \times 1.5$ ,  $ZOOM \times 2$  and  $ZOOM \times 3$ .

Use the DVD 7's [ $\triangle/\nabla/A/\triangleright$ ] keys to move through the zoomed picture. To resume normal playback, press [ZOOM] repeatedly until "OFF".

#### NOTE

Zoom may not work on some DVDs.

# **MARKER, SEARCH**

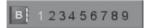


Storing a MARKER in the T 585's memory is similar to marking your page in a book. It allows you to quickly return to any point on the disc.

Press [MARKER] during play at the starting point to be viewed again. Up to 9 markers can be stored in the memory.

#### **RECALLING/CLEARING A MARKER**



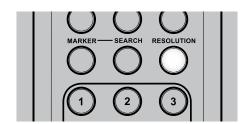


- Press SEARCH during playback.
- 2 Use the navigation buttons to select the marker to be recalled/cleared.
- **3** Press [ENTER] to recall a marker. Or press [CLEAR] to clear a marker.
- **4** Play resumes from the point corresponding to the selected marker, or the selected marker is cleared.

#### **NOTES**

- These operations work only with discs for which the elapsed playing time appears in the DVD display window during playback or stop mode.
- Some subtitles recorded around the marker may fail to appear (DVD).
- All the markers are cleared when the power is turned off or the disc is removed.
- A marker is not stored when the DVD or title menu is displayed on the TV screen.

#### **RESOLUTION**



The T 585 has the excellent ability to up-convert standard video definition contents to high definition video signal. The best possible video resolution is ensured by the sophisticated video processor of the T 585.

Toggle [RESOLUTION] button to step through the possible resolution settings.

Refer also to the VIDEO OUTPUT TABLE section of the REFERENCE - VIDEO SETTING page.

#### OTHER FUNCTIONS USING THE DVD 7 REMOTE CONTROL

# **TITLE AND MENU**



The TITLE and MENU buttons are used to display via OSD, the title headings and menus of the DVD and other applicable media.

Some movie discs may contain two or more titles. If the disc has a title menu recorded on it, the TITLE button can be used to select the movie title. (The details of operation differ depending on the disc used.)

Press [TITLE] and a list of the titles on the disc are displayed. Depending on the disc, pressing [TITLE] again will resume play from the scene when [TITLE] was first pressed.

Press [ENTER], [PLAY] or the numeric button(s) to select desired title. The selected title now starts playing.

Some DVDs have unique menu structures called DVD menus. For example, DVDs programmed with complex contents provide guide menus and those recorded with various languages provide menus for audio and subtitle language.

Press [MENU] during play; the DVD menu available on the disc is now displayed. Pressing [MENU] again resumes play from the scene when MENU was first pressed.

#### **RESUME PLAY**

When play is stopped, the unit records the point where STOP was pressed and the TV OSD will display

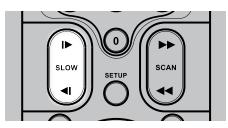
Press the [PLAY] button and playback will resume from this point.



#### NOTES

- Resume function will be cleared when STOP is pressed twice.
- Resume function will be cleared when the power is turned off and then ON.
- Opening the disc tray cancels Resume function.
- The Resume function may not be available on some DVD/VCD discs.

#### **SLOW**



Press [SLOW ◀I/I▶] during playback. The player will enter SLOW mode. Repeatedly press [SLOW ◀I/I▶] to select the desired speed. To exit Slow Motion mode, press [PLAY].

#### STILL PICTURE AND FRAME-BY-FRAME PLAYBACK

Press [PAUSE] during playback. Advance the picture frame-by-frame by pressing [PAUSE] repeatedly. To exit still motion mode, press [PLAY].

# PICTURE SETTING ADJUSTMENT

Guidelines for applicable PICTURE SETTING with respect to VIDEO OUT port.

MIDEO OUT		PICTURE SETTING					
VIDEO OUT		Black Level	Brightness	Contrast	Saturation	Sharpness	Gamma
	480p/576p	-	~	<b>✓</b>	<b>✓</b>	-	-
HDMI	720p	-	~	~	~	-	-
	1080i	-	~	~	~	-	-
Component Video	480i/576i	~	~	-	~	-	-
	480p/576p	-	~	<b>✓</b>	~	~	~
S-Video	480i/576i	~	~	-	<b>✓</b>	-	-
Composite Video	480i/576i	~	~	-	<b>✓</b>	-	-
SCART	RGB/CVBS	-	~	-	~	-	-
	VGA	-	~	~	~	-	-
VGA	XGA	-	~	~	~	-	-
	SXGA	-	~	<b>V</b>	~	-	-

# **VIDEO OUTPUT TABLE**

Guidelines for available RESOLUTION setting with respect to VIDEO OUT port.

VIDEO OUT	RESOLUTION				
VIDEO OUT	480i/576i	480p/576p	720p	1080i	
HDMI	-	<b>✓</b>	<b>✓</b>	<b>✓</b>	
Component Video	V	<b>✓</b>	-	-	
S-Video	V	-	-	-	
Composite Video	V	-	-	-	
SCART	V	-	-	-	
VGA	-	✓ VGA (640 x 480)	✓ XGA (1024 x 768)	✓ SXGA (1280 x 1024	

# **REFERENCE**

# **LANGUAGE CODE LIST**

Use this list to input your desired language for the following settings: DISC AUDIO/DISC SUBTITLE/DISC MENU/DISC TEXT.

Language	Code
Abkhazian	6566
Afar	6565
Afrikaans	6570
Albanian	8381
Ameharic	6577
Arabic	6582
Armenian	7289
Assamese	6583
Aymara	6588
Azerbaijani	6590
Bashkir	6665
Basque	6985
Bengali; Bangla	6678
Bhutani	6890
Bihari	6672
Breton	6682
Bulgarian	6671
Burmese	7789
Byelorussian	6669
Cambodian	7577
Catalan	6765
Chinese	9072
Corsican	6779
Croatian	7282
Czech	6783
Danish	6865
Dutch	7876
English	6978
Esperanto	6979
Estonian	6984
Faroese	7079

Language	Code
Fiji	7074
Finnish	7073
French	7082
Frisian	7089
	7176
Georgian	7565
German	6869
Greek	6976
Greenlandic	7576
Guarani	7178
Gujarati	7185
Hausa	7265
Hebrew	7387
Hindi	7273
Hungarian	7285
Icelandic	7383
Indonesian	7378
Interlingua	7365
Irish	7165
Italian	7384
Japanese	7465
Javanese	7487
Kannada	7578
Kashmiri	7583
Kazakh	7575
Kirghiz	7589
Korean	7579
Kurdish	7585
Laothian	7679
Latin	7665
Latvian, Lettish	7686

Language	Code
Lingala	7678
Lithuanian	7684
Macedonian	7775
Malagasy	7771
Malay	7783
Malayalam	7776
Maltese	7784
Maori	7773
Marathi	7782
Moldavian	7779
Mongolian	7778
Nauru	7865
Nepali	7869
Norwegian	7879
Oriya	7982
Panjabi	8065
Pashto, Pushto	8083
Persian	7065
Polish	8076
Portuguese	8084
Quechua	8185
Rhaeto-Romance	8277
Rumanian	8279
Russian	8285
Samoan	8377
Sanskrit	8365
Scots Gaelic	7168
Serbian	8382
Serbo-Croatian	8372
Shona	8378
Sindhi	8368

Language	Code
Singhalese	8373
Slovak	8375
Slovenian	8376
Somali	8379
Spanish	6983
Sudanese	8385
Swahili	8387
Swedish	8386
Tagalog	8476
Tajik	8471
Tamil	8465
Tatar	8484
Telugu	8469
Thai	8472
Tibetan	6679
Tigrinya	8473
Tonga	8479
Turkish	8482
Turkmen	8475
Twi	8487
Ukrainian	8575
Urdu	8582
Uzbek	8590
Vietnamese	8673
Volapük	8679
Welsh	6789
Wolof	8779
Xhosa	8872
Yiddish	7473
Yoruba	8979
Zulu	9085

# **COUNTRY CODE LIST**

Choose a country code from this list.

ΑD	Andorra
	United Arab
	Emirates
AF	Afghanistan
AG	Antigua and
	Barbuda
ΑI	Anguilla
AL	Albania
ΑM	Armenia
AN	Netherlands Antilles
ΑO	Angola
AQ	Antarctica
	Argentina
AS	American Samoa
ΑT	Austria
ΑU	Australia
	Aruba
	Azerbaidjan
	Bosnia-Herzegovina
	Barbados
	Bangladesh
	Belgium
	Burkina Faso
	Bulgaria
	Bahrain
	Burundi
	Benin
	Bermuda
	Brunei Darussalam
_	Bolivia
	Brazil
BS	Bahamas Bhutan
	Bouvet Island
	Botswana Belarus
_	Belize
	Canada
	Cocos (Keeling)
	Islands
CE	Central African
-r	Republic
ce	Congo
	Switzerland
CI	Ivory Coast
_	Cook Islands
	COOK ISIUI IUS

CL	Chile
CM	Cameroon
CN	China
co	Colombia
CR	Costa Rica
cs	Former
	Czechoslovakia
CU	Cuba
	Cape Verde
СХ	Christmas Island
	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea
ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands
FM	Micronesia
FO	Faroe Islands
FR	France
FX	France (European
	Territory)
GΑ	Gabon
GB	Great Britain
GD	Grenada
GE	Georgia
GF	French Guyana
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
	(French)
GQ	Equatorial Guinea

GR	Greece
GS	S. Georgia & S.
	Sandwich Isls.
GT	Guatemala
	Guam (USA)
	Guinea Bissau
	Guyana
	Hong Kong
	Heard and
	McDonald Islands
HN	Honduras
HR	Croatia
нт	Haiti
HU	Hungary
	Indonesia
IE	Ireland
IL	Israel
IN	India
Ю	British Indian Ocean
	Territory
IQ	Iraq
IR	Iran
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia6
KI	Kiribati
KM	Comoros
KN	
	Anguilla
KP	North Korea
KR	South Korea
KW	Kuwait
KY	Cayman Islands
ΚZ	Kazakhstan
LA	Laos
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho

LT	Lithuania		
	Luxembourg		
	Latvia Islands		
	Libya		
MA	Morocco		
MC	Monaco		
MD	Moldavia		
MG	Madagascar		
МН	Marshall Islands		
MK	Macedonia		
	Mali		
	Myanmar		
	Mongolia		
	Macau		
MP	Northern Mariana		
	Islands		
	Martinique (French)		
	Mauritania		
	Montserrat		
	Malta		
	Mauritius		
	Maldives		
	Malawi		
	Mexico		
	Malaysia		
	Mozambique		
	Namibia		
	New Caledonia		
	(French)		
	Niger		
	Norfolk Island		
	Nigeria		
	Nicaragua		
	Netherlands		
	Norway		
	Nepal		
	Nauru		
	Niue Now Zoaland		
	New Zealand		
	Oman		
	Panama		
	Peru Polynesia (French)		
	Papua New Guinea		
	Philippines		
	Pakistan Pakistan		
FN	I anistal I		

PL	Poland		
	Saint Pierre and		
	Miguelon		
PN	Pitcairn Island		
PR	Puerto Rico		
_	Portugal		
	Palau		
	Paraguay		
QA	Qatar		
RE	Reunion (French)		
RO	Romania		
RU	Russian Federation		
_	Rwanda		
SA	Saudi Arabia		
SB	Solomon Islands		
sc	Seychelles		
SD	Sudan		
SE	Sweden		
SG	Singapore		
SH	Saint Helena		
SI	Slovenia		
SJ	Svalbard and Jan		
	Mayen		
SK	Slovak Republic		
SL	Sierra Leone		
SM	San Marino		
SN	Senegal		
SO	Somalia		
SR	Suriname		
ST	Saint Tome and		
	Principe		
SU	Former USSR		
_	El Salvador		
SY	Syria		
SZ	Swaziland		
TC	Turks and Caicos		
_	Islands		
TD	Chad		
TF	French Southern		
	Territories		
TG	Togo		
TH	Thailand		
TJ	Tadjikistan		
TK	Tokelau		
TM	Turkmenistan		
TN	Tunisia		

то	Tonga		
TP			
TR	Turkey		
TT	Trinidad and Tobago		
ΤV	Tuvalu		
TW	Taiwan		
ΤZ	Tanzania		
UA	Ukraine		
UG	Uganda		
UK	United Kingdom		
UM	USA Minor Outlying		
	Islands		
US	United States		
UY	Uruguay		
UZ	Uzbekistan		
VA	Vatican City State		
VC	Saint Vincent &		
	Grenadines		
VE	Venezuela		
VG	Virgin Islands		
_	(British)		
VI	Virgin Islands (USA)		
	Vietnam		
_	Vanuatu		
WF	Wallis and Futuna		
	Islands		
_	Samoa		
	Yemen		
	Mayotte		
	Yugoslavia		
	South Africa		
	Zambia		
	Zaire		
zw	Zimbabwe		

# **REFERENCE**

# **TROUBLESHOOTING**

CONDITION	POSSIBLE CAUSES	POSSIBLE SOLUTIONS
No power.	The power cord is disconnected.	Plug the power cord into the wall outlet securely.
The power is on, but the DVD player does not work.	No disc is inserted.	Insert a disc. (Check that the DVD or, audio CD indicator in the display window is lit.)
No picture.	The TV is not set to receive DVD signal output.	Select the appropriate video input mode on the TV.
	The video cable is not connected securely.	Connect the video cable securely.
	Unit output setting and TV resolution capabilities mismatch.	Check TV capability. Check mode of connections (eg. S-Video, Component etc.). Check unit Resolution setting according to TV capability and mode of connection.
No sound.	The equipment connected with the audio cable is not set to receive DVD signal output.	Select the correct input mode of the audio receiver so you can listen to the sound from the DVD player.
	The power of the equipment connected with the audio cable is turned off.	Turn on the equipment connected with the audio cable.
	The AUDIO output settings are incorrect.	Check audio output settings as configured in the Audio Setup menu.
The DVD player does not start playback.	An unplayable disc is inserted.	Insert a playable disc. (Check the disc type, color system and regional code.)
	The rating level is set.	Cancel the rating function or change the rating level.
The remote control does not work properly.	The remote control is not pointed at the remote sensor on the DVD player.	Point the remote control at the remote sensor of the DVD player.
	The remote control is too far from the DVD player.	Operate the remote control closer to the DVD player.
	The remote control batteries are dead.	Replace the remote control batteries.

# **NOTES ON DISCS**

# HANDLING DISCS

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



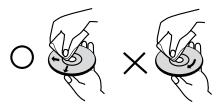


#### STORING DISCS

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

# **CLEANING DISCS**

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



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

# **SPECIFICATIONS**

#### **SYSTEM**

Signal system PAL/NTSC

Laser Two wavelength laser diode CD Wavelength 790nm DVD Wavelength 650nm

Frequency response -1dB (Ref. 20Hz-44kHz, DVD)

-3dB (Ref. 20Hz-50kHz, SACD)

Signal-to-noise ratio (audio) >95dBA (A-WTD)

Dynamic range (audio) >90dBA (A-WTD)

Total Harmonic Distortion <0.005%

#### **OUTPUT**

Video out 1Vp-p/75 ohms
S-video (Y signal) 1Vp-p/75 ohms
S-video (C signal) 0.286Vp-p/75 ohms

Component (Y signal) 1Vp-p/75 ohms (North American version only)
Component (Cb/Cr signal) 0.7Vp-p/75 ohms (North American version only)
SCART (RGB signal) 0.7Vp-p/75 ohms (European version only)

HDMI Video Out HDCP 480p/720p/1080i (NTSC) HDCP 576p/720p/1080i (PAL)

Digital out (coaxial) 500mVp-p

Digital out (HDMI) 5.1-channel 48kHz PCM/Bitstream (DVD-Video)

5.1-channel 96kHz PCM/Bitstream (DVD-Audio)

Audio Out 2.0 Vrms (Ref. 1 kHz, 0 dB)

#### **GENERAL**

Power requirements  $\,$  AC 120 V, 60 Hz NTSC Region 1

AC 230 V, 50 Hz PAL Region 2

Unit Dimension (W x H x D) 435 x 80 x 290 mm

Net weight 4.5 kg Shipping weight 7 kg

Specifications are subject to change without notice. For updated documentation and features, please log onto www.NADelectronics.com for the latest information about T 585.

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