

FCC Notice “Declaration of Conformity Information”

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. Locate the antenna more than 30 feet away from the equipment and connect it to the receiver using a shield cable.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

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

SAFETY INSTRUCTIONS

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

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

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

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

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

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

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

Safe Use and Operation of Your Device

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

WARNING: Use only grounded AC power cords.

DANGER: If NuForce equipment and all other equipments connected to it do not have AC ground, higher than usual amount of radio frequency emission could occur.

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

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

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

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

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

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

Read all the instructions before connecting or operating the component.

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

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

Do not use this unit near water.

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

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

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

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

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

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

- The power supply cord or plug has been damaged.

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

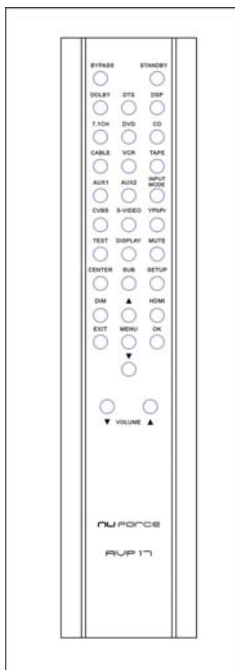
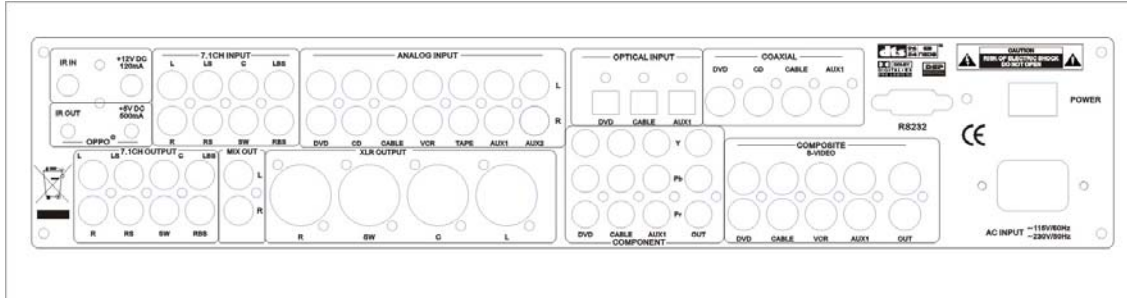
NuForce AVP-17

Preamp and Surround Processor OWNER'S MANUAL

Designed for simplicity and expandability, the AVP 17's focus, as with all NuForce products, is on first-rate performance. The unit's 7.1-channel analog inputs (8 total channels) have been engineered to support the decoded output from present and future DVD players. With its video circuit off, the AVP-17 operates as a true audiophile-quality preamp. The internal DAC (44.1K/16-bit to 192K/24-bit) performs as well as the best stand-alone DACs available today.

Those who listen to the AVP-17 are struck by its dynamic capability, smooth, lifelike midrange, and natural, grain-free treble. The deep, articulate bass provides plenty of kick for both music and movie soundtracks.

We thank you for your purchase and are confident that the AVP-17 will enhance your home theater and music-listening experience. Before using the AVP-17, please take a few moments to read this instruction manual to familiarize yourself with its features, settings, and adjustments.



Quick Setup Guide

To start enjoying your AVP-17 here are some initial steps to follow:

Connections

Note: Make sure that the AVP-17 and all associated components are turned off while plugging and unplugging connections!

- 1) Connect the digital optical or coaxial output of your DVD player to the optical or coaxial DVD input on the rear panel of the AVP-17.
- 2) Connect the Composite, Component, or S-Video output from the DVD player to the same type of input on the rear panel of the AVP-17.
- 3) Connect the corresponding Composite, Component, or S-Video output from the AVP-17 to the same type of input on your TV monitor.
- 4) Connect the Composite, Component, or S-Video output from your digital satellite or cable TV box to the same type of CABLE video input on the rear panel of the AVP-17.
- 5) If the CABLE/Satellite video output (composite, component, or S-video) is a different type than that used for the DVD player, then connect this second type of video output to a different number video input on the TV monitor.
- 6) If your satellite or cable TV has optical output, connect it to the optical CABLE input on the rear panel of the AVP-17. Otherwise connect the Left and Right analog audio outputs from your satellite or cable TV box to the Left and Right Analog Inputs on the rear panel of the AVP-17.
- 7) Multi-channel analog outputs from a SACD or DVD-A player may be connected to the corresponding 7.1CH INPUT(s) on the rear panel of the AVP-17.
- 8) Connect the 7.1CH OUTPUT(s) to the corresponding input channels of your external amplifier(s). The XLR Balanced OUTPUT(s) for the Left and Right Main, Center, and Subwoofer channels may be used INSTEAD of their respective RCA 7.1 CH Outputs, when XLR Balanced amplifier inputs are available. A pair of Left and Right stereo Line Level Outputs is provided for recording or to link to a 2-channel stereo system. ***Make certain that all amplifiers are switched OFF while making or breaking connections!***
- 9) After all signal connections have been made and double checked, first plug the provided AC power cord into the IEC receptacle on the AVP-17's rear panel and then plug the male end into an AC power line conditioner or into an AC wall power outlet.

OPPO HM-31 HTMI Switch Integration

Installation & Operation

Connect the IR cable and 5Vdc cable between the Oppo HDMI switch and AVP17. Pressing 'HDMI' on the AVP17 remote sequentially switches HDMI input 1, 2 & 3.

Getting Started

Now that the AVP-17 is connected, simply push the front power switch in to begin your journey to an exhilarating audio/video experience. The display will first show NUFORCE, then AVP 17, followed by the default or last-used input and volume setting.

Note: For the On Screen Display to function properly, the video input format (Composite, Component, or S-Video) must match the video output format, and the correct input source (DVD, CABLE, VCR, or AUX1) must be selected. Using the On Screen Display on a large screen TV monitor makes the MENU options easier to view and set.



Using the Remote Control is the quickest way to get acquainted with the navigation of the MENU and the AVP-17's features and settings.

- 1) To start, Press the Volume Down key to lower the initial volume. Point the remote at the AVP-17 and press one of the 8 input keys (an input that is hooked up as above, with the source component powered on).
- 2) If using a video source, make sure the TV monitor is turned on and the correct video input is selected. Choose the appropriate **VIDEO OUTPUT** for the selected INPUT. Set the Video connection by pressing the Composite (CVBS), S-VIDEO, or Component (YPbPr) key.
- 3) Immediately press the INPUT MODE key to select the appropriate audio connection. Continue pressing the Input Mode key to scroll through the input options for the selected input, which may include Analog (ANA), Optical (OPT), or Coaxial (COA).
- 4) Choose a processing mode by pressing the DOLBY, DTS, or DSP keys. By continuing to press the selected processing key, you will scroll through all the processing options to reach the selected mode.
- 5) You can quickly adjust the Center channel and Subwoofer levels by pressing the CENTER or SUB key and then pressing the Volume Up or Volume Down keys to increase or decrease the relative volume levels of these critical channels. Set the Master Volume to a comfortable listening level *before* making these individual channel-level adjustments.

You are now ready to listen to music or watch a movie using the NuForce AVP-17 as your System Control Center. Please refer to the detailed directions below to fine-tune your audio and multi-channel settings.

Front Panel Controls

POWER : Power On/Off switch also activates the 12V trigger output for turning on linked components.

FUNCTION : Push in to access the MENU; rotate to scroll between Mode Select, Audio Setup, Function, Return, and Input Select. Another push selects the function. Rotating the Function knob chooses options or adjusts values for the selected functions.

VOLUME : Volume control adjusts from 0dB to 80dB in 0.5dB increments. At turn-on, Volume defaults to last used setting or to a maximum of 60 if volume was last set to 60 or higher.

Remote Control

- 1) DIM: Turns the VFD display off or back on.
- 2) BYPASS: Provides a more direct signal path by bypassing non-essential functions in order to preserve the highest quality audio performance.
- 3) DOLBY: Selects between 3CH, PROLOGIC IIx, DOLBY DIGITAL, or DOLBY EX.
- 4) DTS: Selects between NEO:6, DTS, or DTS ES.
- 5) DSP: Selects and chooses between 8 DSP modes: Church, Hall, Theater, Rock, Pops, Classic, Stadium, and Live.
- 6) INPUTS: 7.1CH, DVD, CD, Cable, VCR, Tape, Aux1, Aux2: select the corresponding input.
- 7) INPUT MODE: Selects the Audio Input mode. When input is DVD, CABLE, AUX1, or AUX2, Input Mode cycles through Analog, Coaxial, and Optical. If the input is CD, either Coaxial or Analog can be selected.
- 8) VIDEO OUTPUT SELECT: When input selection is DVD, EXT 7.1CH, CABLE, or AUX1, the output selection goes between CVBS (composite video), S-Video (Y/C, or Super-VHS), and YPbPr (component video up to 1080i). If the input selection is VCR, only CVBS or S-Video is available.
- 9) DISPLAY: Shows the input/volume status, processing mode, and bit-stream information.



- 10) MUTE: Mutes and reactivates the sound.
- 11) MENU OPERATION KEYS: Press MENU to get to the Main Menu, and press Menu again to exit. The ▲/▼ buttons move the cursor up/down.
- 12) OK/EXIT: Press Ok to confirm selected function. Press Exit to return to your prior selection.
- 13) VOLUME: ▲/▼ Volume control raises and lowers audio level in 0.5dB steps.
- 14) CENTER: adjusts the center channel using VOLUME ▲/▼
- 15) SUB: adjusts the subwoofer channel using VOLUME ▲/▼
- 16) SETUP: Use in conjunction with On Screen Display (connect CVBS or S-video to a TV/Projector). The video display will show adjustable parameters. Use ▲/▼ to select, and press OK to set, then press ▲/▼ to change values. Press EXIT to save and exit at the current setting.

ON AND OFF

- When first tuning on the AVP-17, the unit goes through an initialization routine and will display NuForce and AVP 17 before arriving at the previously selected input and volume setting. Note: if the volume was set higher than 60 when the unit was turned off, on the next power-on cycle the AVP-17 will ramp up to an initial volume level of 60.

INPUT SELECTION

- Combinations Supported

Input	Audio Input Mode			Video Output Mode		
	Analog	Coaxial	Optical	CVBS	S-Video	YPbPr
DVD	●	●	●	●	●	●
CD	●	●				
Cable	●	●	●	●	●	●
Aux1	●	●	●	●	●	●
VCR	●			●	●	
Tape	●					
Aux2	●					
7.1Ch	●			●	●	●

- With Remote Control
 - 1) Select: 7.1CH, DVD, CD, CABLE, VCR, TAPE, AUX1 or AUX2.
 - 2) Once the input is selected, pressing the INPUT MODE key scrolls through the supported audio modes (Analog, Coaxial, or Optical).
- Front Panel Control:
 - To Select an Input
 - 1) Press FUNCTION knob in and dial until the display shows INPUT SELECT.
 - 2) Push FUNCTION to enter the INPUT SELECT sub-menu. You can rotate the knob in either direction to scroll between all 8 inputs.
 - 3) Once you have dialed to your chosen input, pressing the FUNCTION knob again shows the audio input mode. Each time the FUNCTION knob is pressed it cycles through the available audio input modes (Analog, Coaxial, or Optical) for the selected input.
 - 4) Push FUNCTION in the RETURN position to return to the INPUT SELECT menu. Then rotate the FUNCTION knob to scroll through the other sub-menus.
 - 5) Rotating the Volume knob while in a sub-menu will return you to your last selected input and

volume setting.

- **BYPASS** minimizes circuitry in order to achieve maximum audio quality.
- **DOLBY**
The AVP-17 supports DOLBY 3CH, PRO LOGIC IIx, DOLBY DIGITAL, and DOLBY EX using the digital coaxial or optical inputs. The analog inputs also support Dolby 3CH and Pro Logic IIx.
- **DTS**
DTS or DTS-ES on Coaxial, and DTS NEO:6 is supported using coax and analog multi-channel inputs.
- **DSP**
Analog audio signals from DVD, CD, CABLE, VCR, TAPE, AUX1, AUX2 or digital inputs using PCM can be digitally processed to simulate eight different acoustic environments. Pressing DSP cycles through Live, Stadium, Church, Hall, Theater, Rock, Pops, and Classic DSP modes.
- **TO SELECT PROCESSING MODE**
 - 1) Press FUNCTION knob in and rotate until the display shows MODE SELECT.
 - 2) Press FUNCTION knob in to scroll through the sub-menu: BYPASS, (Dolby) 3CH, (Dolby) IIx, (DTS) NEO 6, or DSP.
 - 3) Press FUNCTION knob in to choose a mode, then rotate to see additional options for each mode. Press the Function knob again to confirm selection.

SETTINGS

- **Main Volume**
The Volume knob on the AVP-17 and the Volume control buttons on the remote control adjust the volume level of all speaker channels simultaneously.
- **On Screen Display**
For the On Screen Display to function properly, the video input format (Composite, Component, or S-Video) must match the video output format, and the correct input source (DVD, CABLE, VCR, or AUX1) must be selected. Using the On Screen Display on a large screen TV monitor makes the MENU options easier to view and set.
- **AUDIO SETUP**
- **Tone Controls**
Push the FUNCTION knob in to go to the main MENU, then rotate the knob to Audio Setup. Push the knob in again to enter the ADJ Treble mode. Pushing the knob once more will display Treble 00. Rotating the knob will increase or decrease the Treble +/- 10dB in 2dB steps. Once set, pushing the knob returns to the ADJ Treble position. Rotating the knob clockwise will bring you to the Adj Bass mode. Pushing the knob in will display Bass 00. and bass may be increased +/- 10dB by rotating the Function knob (clockwise for more bass or counter-clockwise for less bass). Note that all functions are similarly accessed and adjusted by using the FUNCTION knob. Since most users will be using the remote control to access the MENU and set parameters, the AVP-17's features and settings via remote control are described below.
- **Remote Control**
The NuForce AVP-17 Remote control is designed to access and adjust all the AVP-17's functions and settings. In addition to navigating the main and sub-menus, there are many short-cut buttons (see Section 2: Remote Control) that provide a more direct access to often-used features and adjustments. These short-cut buttons allow direct access to audio and video inputs, DSP, Dolby, and DTS processing, as well as speaker level adjustments for the center channel and subwoofer. These direct access buttons eliminate the need to scroll through the main and sub-menus. The two included AAA batteries may be installed by removing the two small screws in the bottom panel of the remote and inserting them into the slide-out battery carrier. Be sure to observe the correct positive and negative

polarity markings.

Using the remote control to access the MENU and make adjustments is simple. Pressing the MENU button displays the main MENU. Pressing the down or up menu arrows allows scrolling through the sub-menus (similar to rotating the Function knob). Pressing the OK button to the right of the MENU button allows you to select different inputs, modes, and functions, just as pressing in the FUNCTION knob does. Using the down or up arrows allows you to change the values of the settings. When a setting is finalized, press OK to save the setting. Press the down or up arrows to scroll through other items on the sub-menu. Press the Exit button to the left of the MENU button to return to the previous sub-menu. Pressing the VOLUME buttons below the MENU keys will return you to your previously selected INPUT and VOLUME settings at any time.

To adjust the tone controls using the remote, first press the MENU button and then press the down arrow twice to scroll to the AUDIO SETUP sub-menu. Pressing OK will bring up ADJ Treble. Pressing OK again will show Treble 00. Using the down or up arrows decreases or increases the treble +/-10dB, in 2dB steps. To set, press OK to save the setting and then the down arrow to proceed to the ADJ Bass mode. Once the tone controls are set, you may continue in the Audio Setup sub-menu to make speaker level adjustments for each of the seven speaker channels plus the subwoofer, or push the Volume buttons to return to your last selected input and volume setting.

7.1 Channel Volume Adjustment

- 1) Pressing the remote control short-cut buttons for CENTER or SUB, followed by pressing the VOLUME keys will provide instant volume control for these two critical audio channels. After about 10 seconds the display will return to the prior input and volume settings.
- 2) Using the remote, press MENU and then press the down arrow twice to scroll to the AUDIO SETUP sub-menu. Pressing OK will bring up ADJ Treble. Keep pressing the arrow to go to ADJ Bal-L, which refers to the volume of the left main speaker. Pressing OK shows Bal-L 00. Using the down or up arrows decreases or increases the left main speaker volume +/-10dB, in 2dB steps. Once set, press OK to save the setting and then press the down arrow to proceed to the ADJ Bal-R mode. This refers to the right main speaker. The volume level is set the same way. After setting the left and right main speaker levels the rest of the speaker channels can be adjusted similarly. The choices consist of ADJ CENTER, ADJ SURR L, ADJ SURR R, ADJ BACK L, ADJ BACK R, and ADJ SUBWOOFER.

■ Speaker Setup

The AVP-17 allows a number of parameters to be set in order to accommodate different speaker configurations. For example, the audio signal going to each speaker can be adjusted to conform to the specific speaker's frequency range and size. If you have large, full-range main speakers with substantial output below 60Hz, the speaker function should be set to LARGE. This sends more bass energy to speakers capable of handling extended bass. If the main speakers are small and lack deep bass, the speaker function should be set to SMALL, so that the speaker's smaller woofers will not be sent deep bass, which could muddy the sonic presentation. When the main speakers are set to LARGE, the center and surround speakers can only be set to SMALL.

Unused Speaker Channels

With the exception of the main front speakers, unused speaker channels should be turned off by selecting NONE for the unused channels. This will serve to reintegrate the unused channel(s) information with the active speaker channels so that no audio information is lost.

■ Set Speaker Configuration

Press the MENU button on the remote and use the down arrow to scroll to the FUNCTION sub-menu. Press OK and press the down arrow to scroll to FUNC SPEAKER. Press OK to select and adjust each speaker channel. Pressing the OK button will let you choose the correct setting (Large, Small, or None) for the displayed speaker channel. Once you have toggled to the correct setting, press

the down arrow to scroll to the next speaker channel. Repeat this procedure until you have completed the settings for all eight speaker channels. Remember to select None for any unused channels. If you are using a subwoofer, select Yes; if not, it is important to select None, since this will redirect low bass information back to the front main speakers.

■ **Adjust Crossover Frequency**

Once you have finished setting the speaker configuration in the FUNC SPEAKER sub-menu, pressing the down arrow will bring you to CROSSOVER. Pressing OK will display the current crossover setting, e.g., CROSSOVER=100. The available values are 40Hz, 60Hz, 80Hz, 100Hz, and 150Hz. To make a selection, use the down or up arrows to reach your target crossover frequency and press OK to set it.

To select an appropriate crossover frequency, find the lower frequency limit of your front main speakers. (Most speaker manufacturers provide this information on their manual's specifications page.) Set the crossover point about 20Hz higher than the low frequency roll-off point. If you are using small, bass-challenged front speakers, we recommend setting the crossover point to 100Hz or, at the maximum, 150Hz.

■ **Speaker Distance/Time Delay**

When using surround speakers, proper time-alignment between the front main speakers and center channel as well as from the front channels to the rear surround and back channels is important for establishing a coherent soundfield. Since rooms vary in size and shape, just as distances between speakers and listener vary, the AVP-17 facilitates time-delay adjustments which correspond to the distance from speakers to listener. The distance between each speaker and the listening position can be adjusted from 1–30 ft. When making speaker-distance adjustments, employ the distance from the speaker you've measured to the center-seated listener.

To adjust speaker distance, press the MENU key on the remote and, using the down arrow, scroll to the FUNCTION sub-menu. Press OK to enter the menu, and then the down arrow to go to FUNC DISTANCE. Pressing OK shows DIST LEFT. Pressing OK again shows the current distance setting in feet between the left front speaker and the listener. Using the down or up arrows allows to set the correct distance to the left speaker. Pressing OK confirms the setting and returns to DIST LEFT on the sub-menu. Pressing the down arrow goes to DIST RIGHT. Repeat the preceding process for all remaining speaker channels until you have set the correct distance to each speaker.

■ **Speaker Level Test Tones**

Each speaker's relative volume level should be equal at the center listening position. The AVP-17 incorporates a test-tone generator, which can help fine-tune audio levels for each speaker channel. The generator will send a broadband noise signal to each channel that can be measured with a sound-level meter or judged by ear from the center listening position. The test starts in one channel and proceeds to the next channel every two seconds. Begin by turning the main volume down. When using a sound-level meter you should raise the volume for an average level of about 80dB. Using the On Screen Display when playing the Test Tones provides a graphic illustration that shows which speaker is being fed the tone. Testing proceeds through the following sequence:

TEST L
 TEST C
 TEST R
 TEST SR
 TEST BR
 TEST BL



TEST SL
TEST SW

Simply press the TEST key on the remote and the sequence of test tones will automatically start and move from channel to channel. By using the down or up arrows you can change each channel's volume level +/- 10dB. Using a sound-level meter or your ears, try to get all the channels as close to the same volume as possible in the center listening position.

The Test Tones can also be accessed through the main MENU by scrolling to the FUNCTION sub-menu and selecting FUNC TEST.

Subwoofer Output

The subwoofer output is always enabled. When watching movies in 5.1 or 7.1 mode, the subwoofer outputs the LFE channel as required by the program material. For non LFE encoded source such as analog signal, or CD (S/PDIF), the subwoofer generates its signal based on the current crossover frequency; left and right channels remain full-range.

Other Functions

■ Dynamic Range Control

Access FUNC DRC from the FUNCTION sub-menu. DRC OFF provides full, wide-range sound without compression. Selecting DRC ON provides moderate dynamic compression for late-night listening or for times when extreme volume swings are not desirable.

■ Blue Screen

Access FUNC BLUE from the FUNCTION sub-menu. Choosing BLUE AUTO, the AVP-17 outputs a blue screen in the absence of video signal. BLUE OFF defeats the feature.

■ Factory Defaults

Access FUNC RESET from the FUNCTION sub-menu to reload the factory default settings.

Specifications:

- Supported formats:
 - Dolby Digital
 - Dolby-EX
 - Dolby Pro-Logic IIX
 - DTS Digital
 - DTS-ES
 - DTS NEO:6
- PCM D/A conversion: 44.1K/16-bit to 192K/24-bit
- S/N: 90 dB (A weighted)
- THD+N:< 0.05%, typical 0.01%
- Video connections: 2 composite video, 2 s-video, 3 component video
 - Component video support up to 1080i
- Digital audio input: 2 coaxial/optical, *1 CD coaxial (*video circuit off when CD input is selected)
- Analog audio input: **1 set of 7.1 analog input for SACD/DVD-A, 5 analog input, 1 analog record out. (**7.1 analog input act as 8-ch analog preamp)
- 7.1 RCA Outputs
- 4 XLR Outputs for L, R, C, SW
- Removable rack-mount brackets
- Integration of OPPO HDMI 1.3 compatible 3-in-1 switch
- Subwoofer output is enabled at all time.
- IR-input jack for external interface with home-automation system
- Dimension: 3.54" X 17" x 18" (H x W x L), 17.5 lb
- Electrical: AC 110/230VAC, 20W, auto-sensing.

TERMS AND CONDITIONS OF SALE

Scope. These terms and conditions of sale (these “Terms”) apply to all sales of products (the “Products”) by NuForce Inc. (“NuForce”), a California corporation, to buyer of the Products (“Buyer”). These Terms (along with the specific terms of the attached purchase order) constitute the complete and entire agreement between the parties relating to the subject matter hereof, and supersede any and all prior and contemporaneous other terms or conditions, whether oral or written, including negotiations, prior quotations and purchase orders between the parties. These Terms may be modified only by a writing signed and approved by an authorized representative of NuForce. NuForce’ failure to object to any term or condition contained in any communication from Buyer (including in any purchase order) shall not be deemed a waiver or modification of these Terms. These Terms shall not be modified, supplemented, qualified or interpreted by any trade usage or prior course of dealing.

Orders. Subject to Section 0, a contract between NuForce and Buyer shall be formed only upon NuForce’ written acceptance of Buyer’s order or shipment of Products to Buyer pursuant to Buyer’s written purchase order. If NuForce accepts by shipment, then the acceptance shall only be for the quantity shipped.

Title and Delivery.

Title and Risk of Loss. Delivery is F.O.B. NuForce’ point of shipment (“Delivery”). NuForce may exercise NuForce’ own discretion in selecting the method of shipment. The risk of loss passes to Buyer upon delivery to the carrier at NuForce’ point of shipment. NuForce retains title to the Products until NuForce has received payment in full of all sums due in connection with the sale of Products to Buyer. NuForce hereby reserves and Buyer hereby grants to NuForce a purchase money security interest in the Products sold and the proceeds thereof, including accounts receivable, until Buyer pays NuForce the purchase price in full.

Shipment and Delivery. Any scheduled ship date quoted is approximate and not the essence of the contract. Claims of late delivery are barred unless made prior to receipt of Products. Buyer’s sole remedy for delay in or failure to deliver shall be cancellation of the applicable order.

Pricing. NuForce reserves the right to increase prices for any unshipped Products if the cost to NuForce for supplies, raw materials, labor or services is materially increased. The prices quoted on the attached purchase order shall be valid only for the period of time there indicated. All prices are exclusive of transportation, insurance, taxes, duties and other charges related thereto; unless NuForce receives a certified tax exemption from Buyer prior to shipment. Buyer agrees to indemnify, defend and hold NuForce harmless from any loss or expense arising out of or related to NuForce’ reliance on any tax exemption provided by Buyer.

Payment. Except as otherwise specifically designated on the invoice, payment shall be due and payable within 30 days from the date of the invoice. NuForce reserves the right at any time to modify or withdraw any credit extended to Buyer. If in NuForce’ sole discretion, NuForce may require full or partial payment in advance of any shipment of Product. If Buyer becomes delinquent in any payment to NuForce, NuForce has the right to suspend performance until such delinquency is corrected. Regardless of any statement appearing on a check in payment for Product, NuForce’ acceptance of such check shall not constitute a waiver of NuForce’ right to pursue the collection of any remaining balance. NuForce reserves the right to charge a late fee on late payments at the lesser of one and 1.5% per month or the maximum rate allowable by law, together with NuForce’ costs of collections including attorneys’ fees.

Acceptance. Use of the Products by Buyer or its agents, or the failure by Buyer to reject the Products within 5 days following Buyer’s delivery of such Products shall constitute acceptance by the Buyer.

NuForce’ Limited Warranty and Limitation of Liabilities.

Full Refund Period. For a period of 30 days after shipment (the “Refund Period”), Buyer may return the Products to NuForce for a full refund. To qualify for this refund, the Products must be returned in their original packaging and a 15% restocking fee will apply to damaged (including blemish on product’s surface) Products.

Limited Warranty. For a period (as specified in the Warranty Coverage section) after conclusion of the Refund Period, NuForce warrants (i) this product against defects in materials and workmanship, and (ii) that each Product, unmodified and under normal use and conditions, will substantially comply with NuForce’ applicable written technical documentation for the Product. NuForce reserves the right to make substitutions and modifications from time to time in the specifications of Products sold by NuForce, provided that such substitutions or modifications do not materially affect overall Product performance.

Limitations. EXCEPT FOR NUFORCE’ LIMITED WARRANTY SET FORTH IN SECTION 0 ABOVE, NUFORCE SPECIFICALLY DISCLAIMS ANY AND ALL EXPRESS, IMPLIED OR STATUTORY WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, OF MERCHANTABILITY AND AGAINST INFRINGEMENT. THE EXPRESS WARRANTY IN SECTION 0 ABOVE SHALL EXTEND TO BUYER ONLY AND NOT TO BUYER’S CUSTOMERS OR ANY THIRD PARTY. NO PERSON IS AUTHORIZED TO MAKE ANY WARRANTY OR REPRESENTATION ON BEHALF OF NUFORCE CONCERNING THE PRODUCTS OTHER THAN THE LIMITED WARRANTY EXPRESSLY SET FORTH IN SECTION 0. BUYER WILL BE SOLELY RESPONSIBLE FOR AND WILL INDEMNIFY, DEFEND AND HOLD HARMLESS NUFORCE FROM AND AGAINST ANY AND ALL LIABILITIES, DAMAGES, COSTS AND EXPENSES RELATED TO ANY WARRANTIES WITH RESPECT TO THE PRODUCTS OTHER THAN THOSE SET FORTH IN SECTION 0 OR ANY USE OF THE PRODUCTS OR RESALE OF THE PRODUCTS.

Liability. With respect to any claims asserting breach of the limited warranty set forth in Section 0, NuForce’ exclusive liability and Buyer’s sole remedy, is at NuForce’ option, to replace or repair the defective Product or to issue credit to Buyer for the purchase price of the Product (without interest), provided that prior to any replacement, repair or credit the following conditions are satisfied:

(i) NuForce is promptly notified in writing by Buyer upon discovery of any such default; (ii) the defective Product is returned to NuForce, transportation charges prepaid by Buyer, accompanied by a brief statement explaining the alleged defect; and (iii) NuForce’ examination of such Product shall disclose to NuForce’ satisfaction that such failures did not arise as a result of misuse, abuse, improper installation or application, repair, alteration, or accident, or negligence in use, storage, transportation or handling by anyone

other than NuForce. Any replacement Product will be warranted for the remainder of the original warranty period or 30 days, whichever is longer. NuForce shall in no event be responsible for any labor costs, or otherwise, incurred by Buyer incident to the replacement of any defective Product. If NuForce determines that the returned Product conformed to the warranties, NuForce will return the Product to Buyer at Buyer's expense.

NUFORCE SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY NATURE INCLUDING WITHOUT LIMITATION LOSS OF PROFIT, PROMOTIONAL OR MANUFACTURING EXPENSES, OVERHEAD, DATA, INJURY TO REPUTATION OR LOSS TO CUSTOMERS, ARISING OUT OF OR IN CONNECTION WITH THE PURCHASE, SALE, USE, PERFORMANCE OR FAILURE OF THE PRODUCTS, WHETHER SUCH LIABILITY ARISES UNDER CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT PRODUCT LIABILITY OR OTHERWISE, EVEN IF NUFORCE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR IF SUCH DAMAGE COULD HAVE BEEN REASONABLY FORESEEN. IN NO EVENT WILL NUFORCE' LIABILITY TO BUYER ARISING OUT OF OR RELATING TO THESE TERMS EXCEED THE AMOUNT OF THE PURCHASE PRICE PAID TO NUFORCE BY BUYER FOR THE PRODUCT THAT GIVES RISE TO THE CLAIM.

Default. If Buyer becomes insolvent, bankrupt, makes an assignment for the benefit of its creditors or is otherwise unable to meet Buyer's obligations as they come due, NuForce may decline to make further shipments without in any way affecting NuForce' rights under these Terms. If, NuForce elects to continue to make shipments, NuForce' action shall not constitute a waiver of any default by Buyer or in any way affect NuForce' legal remedies of any such default.

Assignment. Buyer shall not assign Buyer's order or any interest in or any rights hereunder without the prior written consent of NuForce.

Confidentiality. Buyer acknowledges that Buyer may gain access to trade secrets and confidential information of NuForce. At all times Buyer agrees not to disclose NuForce' trade secrets or confidential information to any third party without the express written consent of NuForce. Buyer further agrees to undertake all steps necessary to maintain the secrecy of NuForce' trade secrets and confidential information.

Miscellaneous. All notices, authorizations, and requests shall be deemed given on receipt. These Terms shall be governed by the laws of the State of California without reference to that state's choice of law provisions. The California state courts of Santa Clara County, California or the United States District Court for the Northern District of California shall have exclusive jurisdiction and venue over any dispute arising out of this Agreement, and each party hereby consents to the jurisdiction and venue of such courts. All waivers of the exercise any remedy or option provided herein, or to require any performance by Buyer must be in a writing signed by NuForce. If any provision of these Terms is declared invalid, illegal or unenforceable, all remaining provisions shall continue in full force and effect. Nonperformance of either party, except for the making of payments, shall be excused to the extent that performance is delayed or rendered impossible by any reason where failure to perform is beyond the reasonable control of the non-performing party.

Nuforce One Year (Two Year Parts) Limited Warranty

WARRANTY COVERAGE

Nuforce's warranty is specified in **NuForce Terms and Conditions of Sale**. If a defect exists, at its option Nuforce will (1) repair the product at no charge, using new or refurbished replacement parts, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product. A replacement product/part assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Nuforce's property. When a refund is given, your product becomes Nuforce's property.

OBTAINING WARRANTY SERVICE

If you purchased the product in the U.S., deliver the product, at your expense, to any Nuforce Service Center located in the U.S. If you purchased the product outside of the U.S., deliver the product to any Nuforce Authorized Importer in the country where you purchased the product. Be aware, however, that not all countries have Nuforce Authorized Service Providers and not all Authorized Service Providers outside the country of purchase have all parts or replacement units for the product. If the product cannot be repaired or replaced in the country it is in, it may need to be sent to a different country or returned to the country of purchase at your expense for repair or replacement. You can always deliver the product to NuForce's U.S. main service center for obtaining warranty service.

EXCLUSIONS AND LIMITATIONS

This Limited Warranty applies only to hardware products manufactured by or for Nuforce that can be identified by the "Nuforce" trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-Nuforce hardware products or any accessories, even if packaged or sold with Nuforce hardware. Non-Nuforce manufacturers, suppliers, may provide their own warranties. Other accessories distributed by Nuforce under the Nuforce brand name are not covered under this Limited Warranty. This warranty does not apply: (a) to damage caused by accident, abuse, misuse, misapplication, or non-Nuforce products; (b) to damage caused by service performed by anyone who is not an Nuforce Authorized Service Provider; (c) to a product or a part that has been modified without the written permission of Nuforce; or (d) if any Nuforce serial number has been removed or defaced.

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