



ATP7500 DIGITAL PREAMPLIFIER-PROCESSOR OWNER'S GUIDE



TRANSLATING
→
TECHNOLOGY

Please Read First



CAUTION: To reduce the risk of electrical shock, do not remove the cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation maintenance (servicing) instructions in the literature accompanying the appliance.

PRECAUTIONS:

Certain precautions must be taken in order to ensure proper operation of your preamplifier-processor.

1. Never expose the unit to moisture
2. Never plug an input cable into the preamplifier while the preamplifier is turned on.
3. Never apply the “thumb test” (touching the “hot” lead of the input cable with your finger) to the tip of the input cable or input jack of the preamplifier. RF rectification and/or hum may be created and could cause damage to the loudspeakers. ATI will not be responsible for damage to the loudspeakers, amplifiers or other related equipment due to improper use of the equipment.
4. Avoid restricting the airflow around the unit. Good airflow is necessary to help insure proper operation.
5. Do not stack other system components or any other materials directly on top of the unit. The heat dissipating system of the preamplifier depends on free flowing air around the chassis.

Safety Instructions

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

Read all the safety and operating instructions before connecting or using this unit.

All warnings on the unit and in this operating manual should be adhered to.

All operating and use instructions should be followed.

Do not use this unit near water: for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

This unit should be installed so that its location or position does not interfere with its proper ventilation. For example, it should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings: or placed in a built-in installation, such as bookcase or cabinet, that may impede the flow of air through its ventilation openings.

The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.

The unit should be connected to a power-supply outlet only of the voltage and frequency marked on its rear panel.

The power-supply cord should be routed so that it is not likely to be walked on or pinched, especially near the plug, convenience receptacles, or where the cord exits from the unit.

Clean unit only as recommended in this instruction manual.

The power-supply cord of the unit should be unplugged from the wall outlet when it's to be unused for a long period of time.

Care should be taken so that objects do not fall, and liquids are not spilled, into the enclosure through any openings.

The unit should be serviced by qualified service personnel when:

- A. The power cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled, into the unit; or
- C. The unit has been exposed to rain, or liquids of any kind; or
- D. The unit does not appear to operate normally, or exhibits a marked change in performance; or
- E. The device has been dropped, or the enclosure damaged.

To prevent electric shock, do not use the polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

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Congratulations

Thank you for purchasing the ATI ATP7500 Digital Preamplifier-Processor. This product is a fully integrated, high resolution audio/video control center. The ATP7500 incorporates the most exacting and accurate surround technology available in its class for home theater. The ATP7500 represents a unique synthesis of form, function and fidelity all superbly crafted to deliver all the critical requirements of a truly high performance home theater system. Please read this manual thoroughly and carefully follow all instructions to ensure maximum utility and enjoyment from your investment. This important information will help you make certain that the preamplifier-processor is properly configured for operation with the rest of the equipment in your system.

If you have any questions about this product, its installation or operation, please contact us via e-mail at sales@ati-amp.com or via telephone at 888-777-8507.

Product Warranty Registration

Be sure to complete and return your Product Warranty Registration Card immediately. This will entitle you to warranty coverage as outlined in the section "WARRANTY" at the end of this manual.

ATP7500 Features

Surround Modes include Dolby Digital 5.1®, Dolby Digital Surround EX®, Dolby Surround Pro Logic II®, DTS Digital Surround 5.1®, DTS-ES Surround 6.1®, DTS Neo:6® and 7.1. Matrix Music Mode®.

Full Function Remote Control is illuminated and can be programmed to operate several other components.

RS232 Port is bi-directional for custom integration and system automation.

9 Analog Inputs include 7.1-channel analog pass-through.

Video Switching includes composite video, S-video, and component video and can be accessed by 7 inputs.

2nd Zone for independent audio and video.

Trigger Outputs to control other source devices.

Crystal D/A and A/D converters.

AM/FM Tuner with preset memory.

S-Video to Component Video Conversion lets you send all video sources to the TV through one component video output.

Standby Power Mode for improved reliability.

Unpacking

Your new product was diligently handcrafted, thoroughly tested and carefully packed at our factory in California, USA. Please remove the ATP7500 carefully from the box.

The following accessories should be included inside the box:

- AC Power Cord
- Remote Control with Batteries
- Warranty Registration Card

In the unlikely event that the ATP7500 was damaged in shipment, be sure to save the carton and all packing material as evidence for the freight carrier's inspection. Should you discover that your preamplifier has been damaged during shipping, please contact your dealer or ATI immediately and request the name of the carrier so a written claim may be made.

THE RIGHT TO A CLAIM AGAINST A PUBLIC CARRIER CAN BE FORFEITED IF THE CARRIER IS NOT NOTIFIED PROMPTLY IN WRITING AND IF THE SHIPPING CARTON AND PACKING MATERIALS ARE NOT AVAILABLE FOR INSPECTION BY THE CARRIER. SAVE ALL PACKING MATERIALS UNTIL THE CLAIM IS SETTLED.

CAUTION: NEVER SHIP THIS PRODUCT WITHOUT THE ORIGINAL BOX AND PACKING.

General Recommendations

Before you begin the SETUP, we strongly recommend that you take a few moments to:

- Familiarize yourself with the controls and functions of the preamplifier-processor.
- Carefully study the system connection diagrams and basic operational instructions.
- Fully understand the setup and programming instructions.

Front Panel Controls

A Power Switch

Switches the unit into standby mode and the LED turns on. Do not use this switch to turn the unit off; use the OFF button.

PLEASE NOTE: TO TURN THE UNIT ON, YOU MUST SELECT A SOURCE EITHER ON THE FRONT PANEL OR THE REMOTE CONTROL.

B Source Buttons

When a source button is pressed, that source is selected and the unit is turned on from the STANDBY mode.

C Seek Up

Advances the tuner to the next higher valid station.

D Volume Up

Raises the volume in 1dB increments. The volume will increase faster if the button is held down.

E 7.1

Selects multi-channel audio and DVD Video.

Precautions

- Install the ATP7500 on a solid shelf.
- Be sure that the area surrounding the unit is well ventilated and not near a heat source of any kind.
- Prevent any moisture from entering the unit.
- Do not place anything on top of the unit.
- Make all connections BEFORE you turn the unit on.

F AM/FM

Selects AM or FM reception.

G Seek Down

Advances the tuner to the next lower valid station.

H Volume Down

Lowers the volume in 1dB increments. The volume will decrease faster if the button is held down.

I Zone 2

Toggles the CD, TAPE, TUNER, AUX source buttons, AM/FM, VOLUME, MUTE, SEEK, and OFF to control ZONE2. If no settings are selected, the display will default to MAIN ZONE.

J Mute

Toggles the muting for MAIN ZONE and ZONE2.

K Off

Turns the system from ON to Standby.



System Setup

We urge you, at least the first time you set up your system, to take the time and thoroughly follow each of the following steps precisely. Even though this may take some time, it will guarantee that your system will function properly and offer the most rewarding results. If you “do it right” the first time, future changes will be easier to implement.

Press the “MENU” button on the remote and the On Screen Display (OSD) will appear as in the example below:

1. Quick Setup – Speaker size
2. Quick Setup – Speaker distance
3. Input assignment
4. Tuner / PAL / NTSC Settings
5. Bass trim
6. Calibration
7. Compression
8. Status Display
9. DVD Audio Full Range
0. Reset to Defaults

Exit

FIGURE 1: MAIN MENU

Using the Remote’s keypad, press the button corresponding to what you want to setup. Selected function will be highlighted.

1. Speaker Size

Speaker size refers to your speaker’s actual frequency response. For each channel, selecting “large” means that the channel will be set to “full range” by the processor. Selecting “small” means that the processor will filter out the low bass from this channel and redirect this part of the signal to the subwoofer. For some channels you may select “none” if you don’t use a speaker for that channel.

1. Front speakers
– Toggle to small or large
2. Center speaker
– Toggle to small, large or none
3. Surround speakers
– Toggle to small or large
4. Rear speakers
– Toggle to small, large or none
5. Subwoofer
– Toggle to yes or no

Exit – Return to main menu

FIGURE 2: SPEAKER SIZE MENU

2. Speaker Distance

You will need to set the distance, in feet, between your listening position and each speaker. These settings automatically calculate the accurate delay settings for each channel. Select the number of the channel you wish to set, then press the SELECT button to increase the distance. This setting is in increments of 1 foot up to 30 feet, then start over at 1 foot.

1. Set left front speaker distance
2. Set center speaker distance
3. Set right front speaker distance
4. Set right surround speaker distance
5. Set right back speaker distance
6. Set left back speaker distance
7. Set left surround speaker distance

Exit – Return to main menu

FIGURE 3: SPEAKER DISTANCE MENU

3. Input Assignment

The default input assignment settings will be shown on the screen. You can leave them as is or you may reassign any of the 6 digital inputs. Select the number corresponding to the input you wish to change then press the SELECT button. Each time you press the SELECT button, the selected input will scroll through each available digital input and then return to the analog input. You may associate each analog input to any digital input. Keep in mind that each analog input is labeled on the back of the unit by its name, unlike the digital inputs which are numbered 1 through 6.

1. VCR1
2. VCR2
3. TV
4. LD
5. AUX
6. SAT
7. DVD
8. CD
9. TAPE

Exit – Return to main menu

FIGURE 4: INPUT ASSIGNMENT MENU

Advanced Input Assignment: Analog Input Name Change

This set is available should you wish to rename any of the analog inputs. Press the number of the input you wish to rename then press the GUIDE button. A new menu on the OSD page will appear. This menu will show the default and actual name as well as five Xs. Use the cursor buttons to move up, down, left or right to select and change letters and/or numbers to create the new name. Press EXIT when done to return to the previous menu.

4. Tuner and PAL/NTSC Settings

These settings are for the FM tuner OS video setting. Press the number corresponding to your location for the tuner setting. An "X" following the region indicates the current setting. The "TV Setting" must be made according to your location. NTSC for North America and PAL for most of Europe.

1. USA
2. South American
3. Europe
4. Japan
5. Far East
6. South African
7. TV Setting

Exit – Return to main menu

FIGURE 5: TUNER AND PAL/NTSC SETTINGS MENU

5. Bass Trim

You may adjust the bass level for each input independently. Press the number representing the input you wish to change, then press VOLUME UP or VOLUME DOWN to adjust the bass in 1dB increments.

1. VCR1
2. VCR2
3. TV
4. LD
5. AUX
6. SAT
7. DVD
8. CD
9. TAPE

Exit – Return to main menu

FIGURE 6: BASS TRIM MENU

6. Calibration

You must calibrate the relative level of each channel to get a proper surround sound presentation. For the most precise calibration, you should use a sound pressure level (SPL) meter. A loud pink noise tone will come from the selected speaker when you press the associated button. Adjust each channel's output level to 75dB using the VOLUME UP or VOLUME DOWN buttons. The levels should be adjusted from the same listening position used in STEP2.

1. Set left front speaker level
2. Set center speaker level
3. Set right front speaker level
4. Set right surround speaker level
5. Set right back speaker level
6. Set left back speaker level
7. Set left surround speaker level
8. Set subwoofer speaker level

Exit – Return to main menu

FIGURE 7: CALIBRATION MENU

7. Compression

This feature allows you to compress the dynamic range of the sound which may be helpful for low volume listening late at night. Turning this feature off will permit full dynamic range. When turned on, louder passages are softened and softer passages are increased to maximize intelligibility of speech. Use the SELECT button to toggle between on and off.

8. Status Display

Press the SELECT button to toggle between STATUS DISPLAY ON and OFF. When turned on, an OSD appears for 2 seconds each time you press a button. This OSD appears only when using the "main out" composite or S-Video outputs. The selected INPUT<SURROUND MODE and VOLUME LEVEL will be displayed.

9. DVD Audio Full Range

This setting applies only to the 7.1 "analog pass through" input. Use the SELECT button to toggle between "yes" and "no". When "yes" is selected, all signals present at the input will be sent to the output and be affected ONLY by the VOLUME control. When "no" is selected, the filters are defined by the "SPEAKER SIZE" settings chosen in Step1. Channels set to "large" will receive a full bandwidth signal while channels set to "small" will have limited low frequency response (80Hz filter). The analog filters will remove the low bass frequencies from the signal and redirect it to the subwoofer.

0. Reset to Defaults

We recommend not using this feature unless there is trouble with any of the settings you have made. This is a quick way to return the unit to “out of box” conditions. This will also be used when there are updates to the firmware. Press “0” on the remote when in the main menu. You can toggle between “NO” and “YES” by using the SELECT button. Please exercise extreme caution.

CAUTION: USE EXTREME CAUTION WHEN USING THIS FEATURE AS IT COULD RETURN ALL YOUR SETTINGS TO FACTORY DEFAULTS.

Rear Panel Connections

Audio and Video Signal Connections

The rear panel is divided into different sections whereby the connectors are grouped together in a logical manner. Digital inputs are grouped together and are labeled “DIG1” through “DIG6”. Each of these six digital inputs are assignable to any of the nine labeled source inputs as previously discussed.

Most of the analog inputs with the exception of “CD”, “TAPE”, and “7.1 Audio” are grouped together where they are associated with a video input, each forming a vertical line of connectors. For each of these labeled inputs, you can plug in one video input, allowing for a choice of the type of connection: either a choice of Composite Video and S-Video or Component Video and S-Video. The “7.1 Audio Input” is a special multi-channel analog pass-through that can be used for a DVD-Audio or SACD player.

The outputs are grouped into “MAIN OUT” and “RECORD OUT” sections. The “MAIN OUT” section has an eight channel (7.1) preamplifier output and 4 video outputs; two are Composite Video and one is S-Video and one is Component Video. ONLY the Composite and S-Video outputs carry the OSD signal. To correctly setup your ATP7500 using the previously discussed OSD menus, make sure to connect your screen to at least one of the Composite or S-Video outputs

and remember to select this input on your screen whenever you need to access the OSD of the ATP7500.

The “RECORD OUT” section has two audio/video outputs that you can use to connect to a VCR or a tape deck, for example. The audio outputs are fixed line level; they are not affected by the processor’s volume control setting. The video outputs are Composite Video and S-Video for each of the two “RECORD OUT” connections. These video outputs provide NO OSD information. There is also a digital output available on an optical TOSLINK connector located near the “DIGITAL INPUTS”. It may be used to connect to a CD-R recorder for example.

The “2nd Zone” section has one fixed output, one variable output and one second zone dedicated input that is accessible only from the “2nd Zone”. The “2nd Zone” has limited access to which input source may be selected; the dedicated “2nd Zone” input, CD, TAPE, or the AM/FM Tuner.

Control Signal Connections

The input labeled “IR INPUT” (infrared remote control) is designed to receive an electrical signal corresponding to the infrared signal of a remote device such as a repeater that may be installed in the “2nd Zone”.

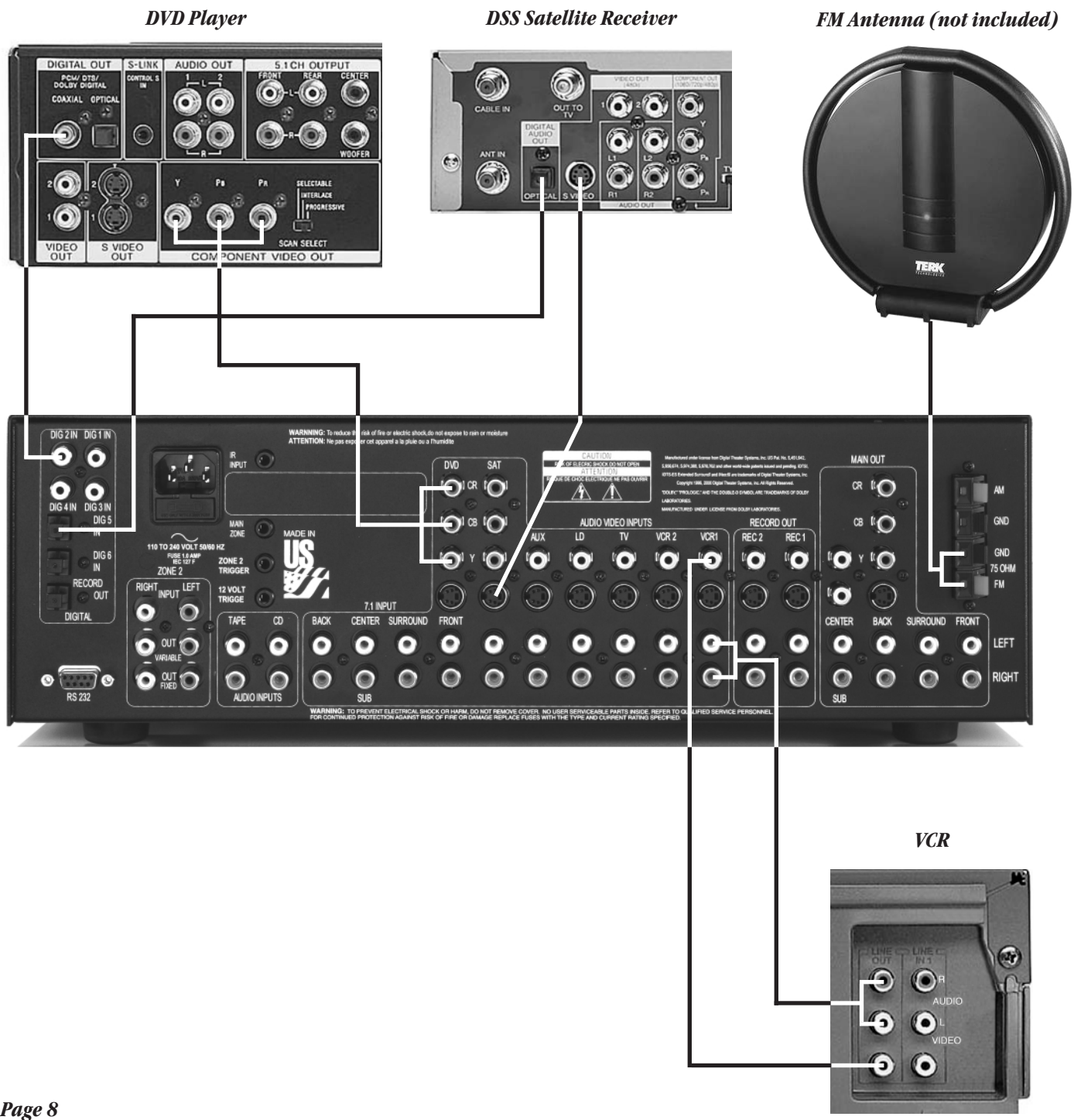
The RS232 port allows the control of the ATP7500 from a distant programmed controller (such as a Crestron® system). Information about the RS232 codes can be obtained from ATI on request. The RS232 port can also be used to download software revisions for future upgrades.

There are three trigger outputs that can be used to control other components. Two are associated with the main zone and one with the “2nd Zone”. Each of them activates when their respective zone is turned on. The output labeled “12V Trigger” is rated at 200mA. The outputs labeled “2nd Zone Trigger” and “Main Zone” are dry contacts rated at 1A each. All triggers operate with a 5 second delay.

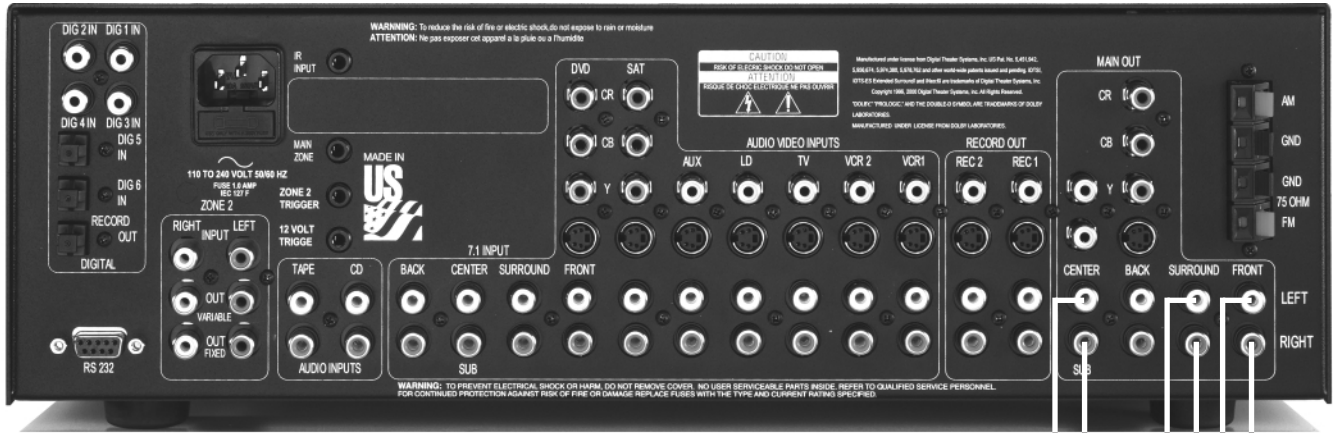


Typical Source Connections

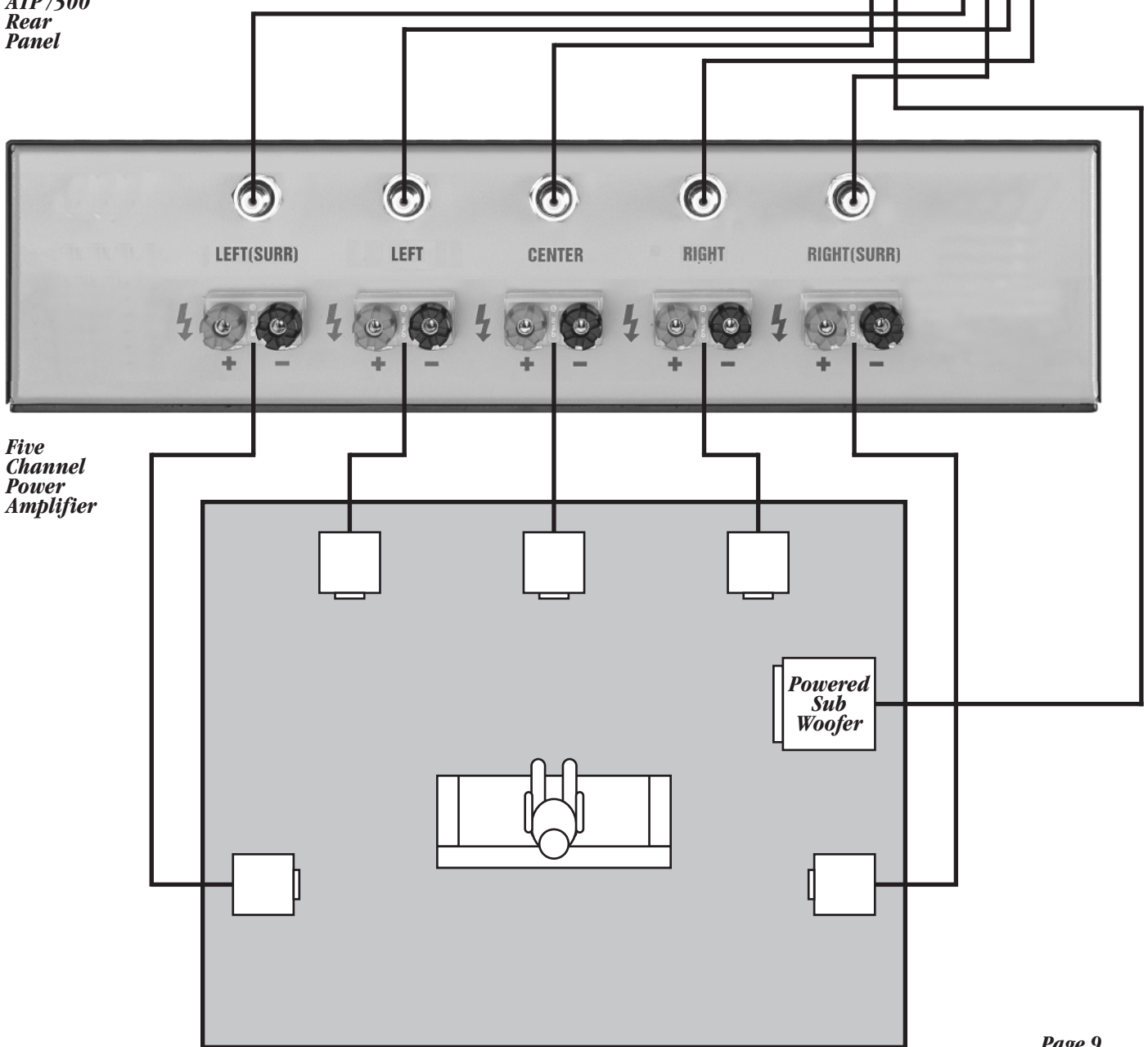
Here is a typical source connection for the ATP7500. It is shown only as an example and is by no means mandatory. There are endless possibilities regarding what and how you can connect to the rear panel.



5.1 Speaker Setup & Configuration



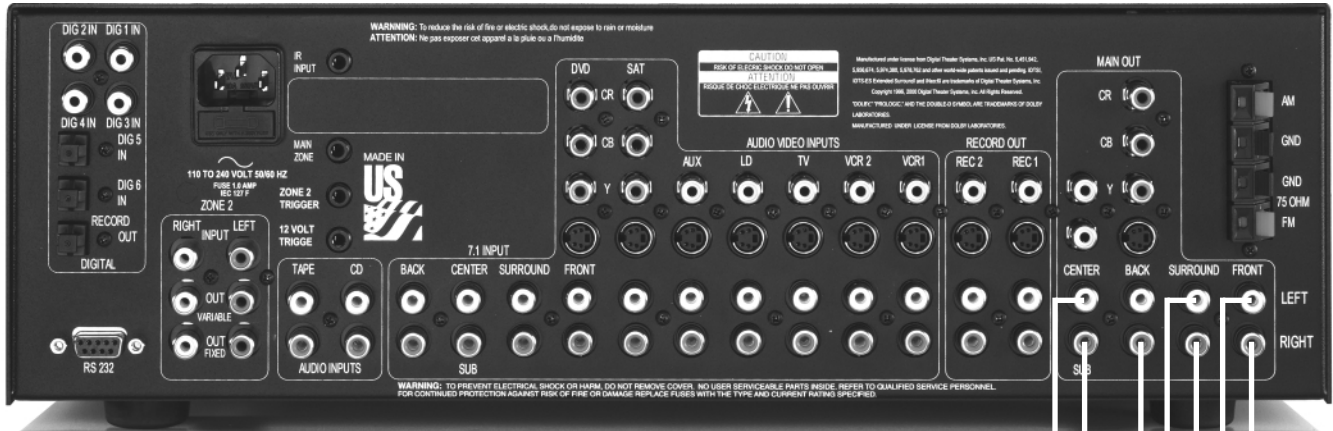
**ATP7500
Rear
Panel**



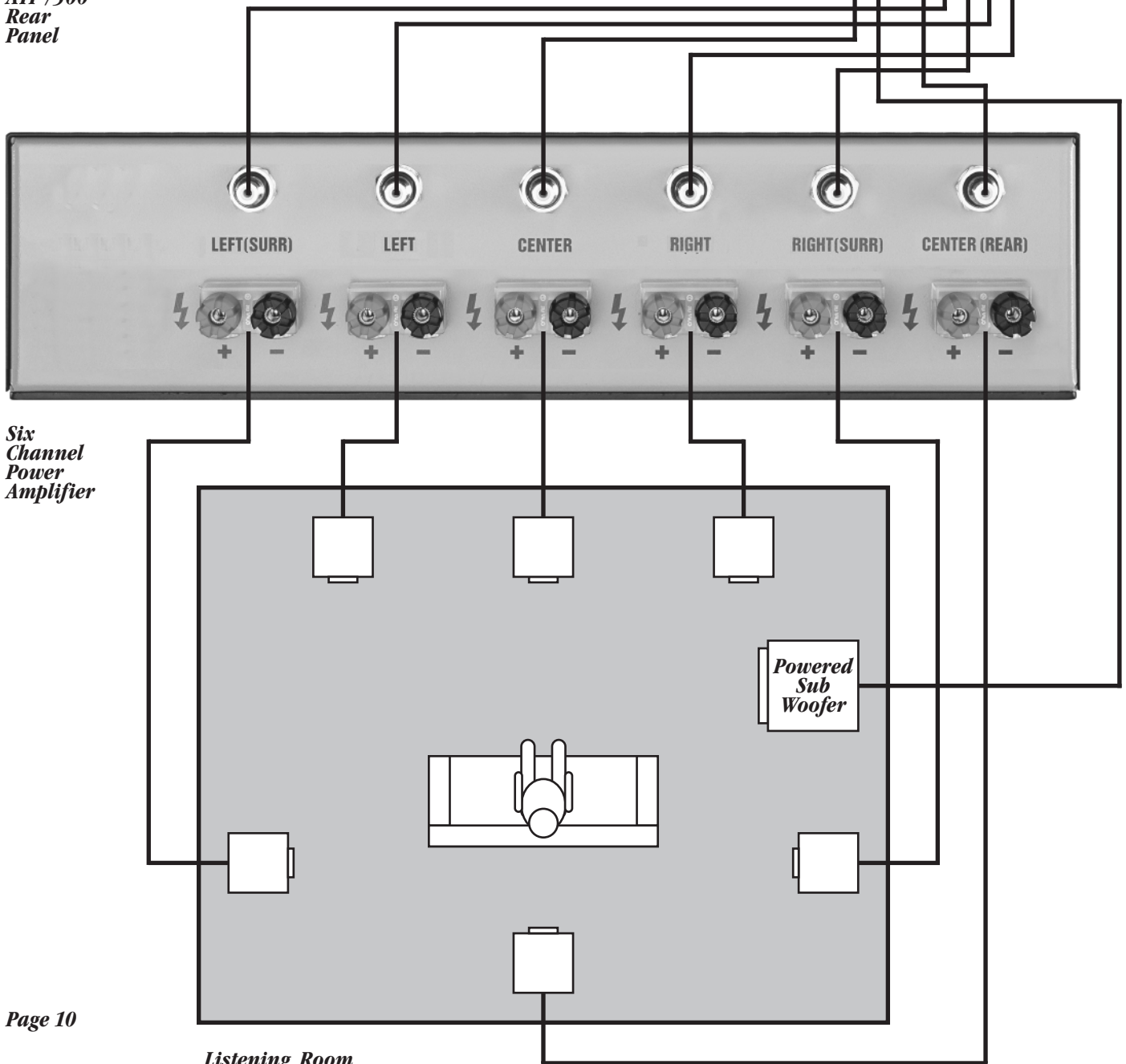
**Five
Channel
Power
Amplifier**

Listening Room

6.1 Speaker Setup & Configuration



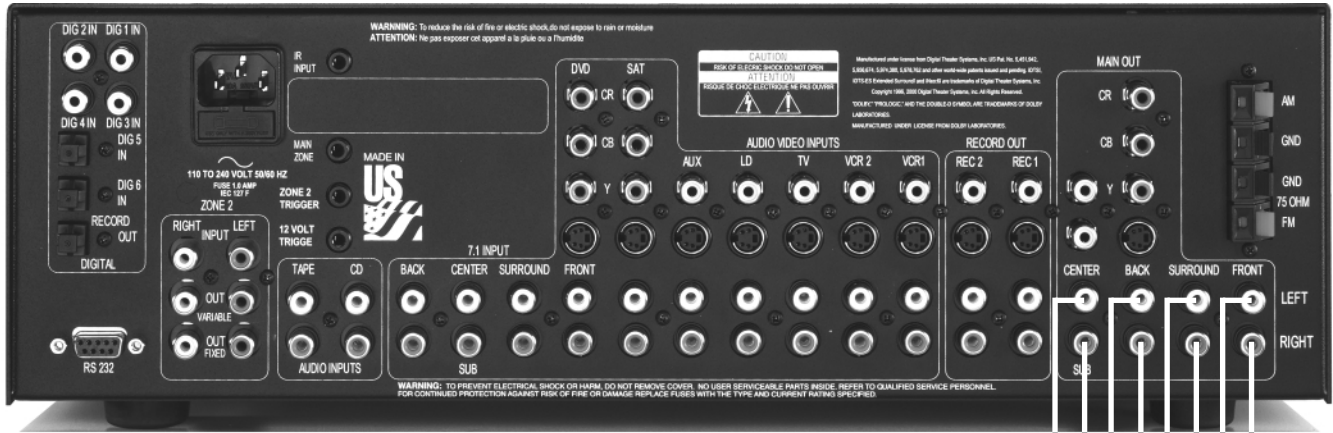
**ATP7500
Rear
Panel**



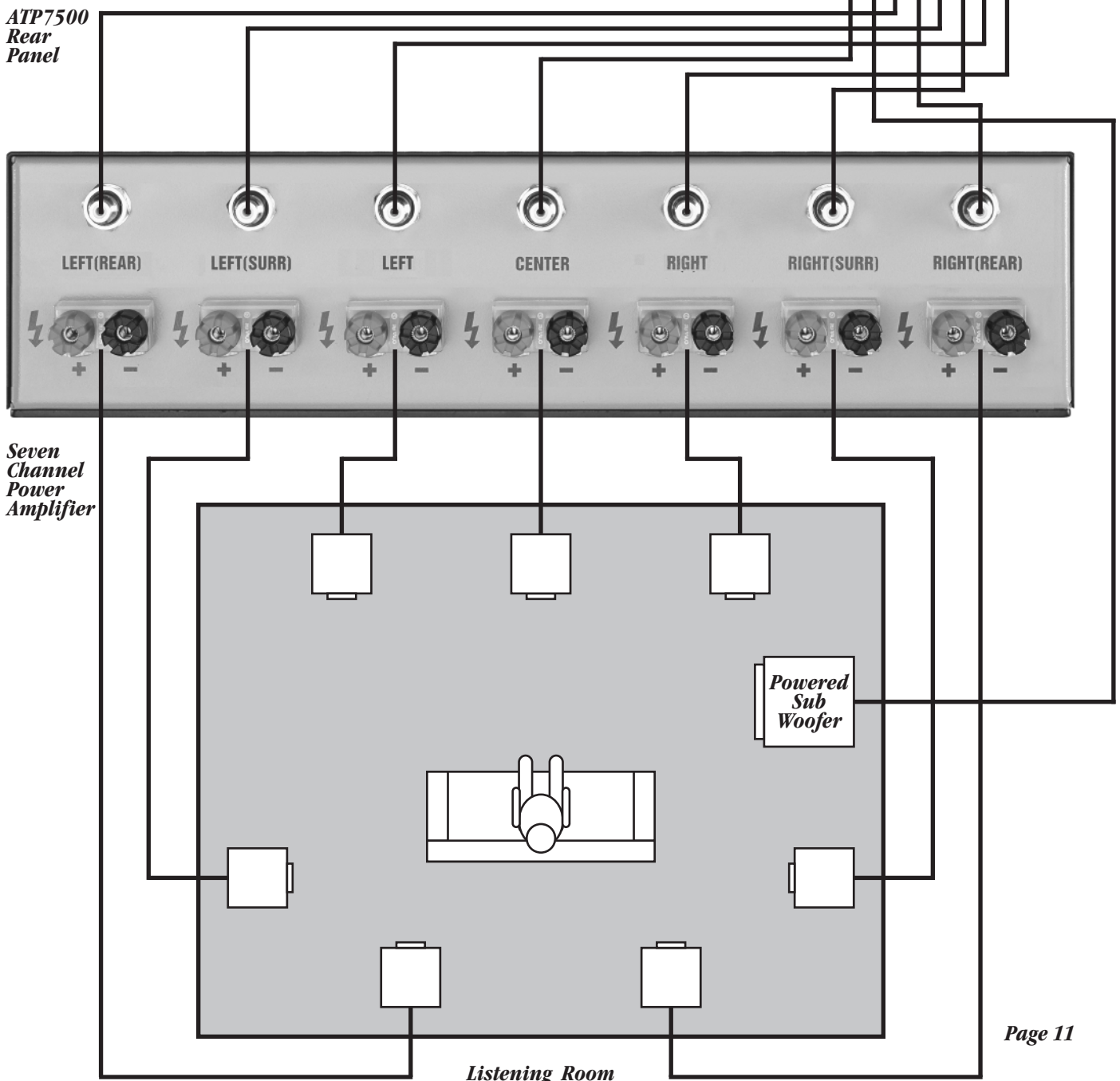
**Six
Channel
Power
Amplifier**

Listening Room

7.1 Speaker Setup & Configuration



**ATP7500
Rear
Panel**



**Seven
Channel
Power
Amplifier**



Remote Control Operation

The remote control is preprogrammed to operate the ATP7500 Digital Preamplifier-Processor in the AVC mode. It also has 7 other Device modes (accessed via the top two rows of buttons) including CD (CD player), DVD (DVD Player), AUX (auxillary), SAT (satellite), TV (television), VCR (videocassette recorder) and CBL (cable box) for learning functions from the remote controls of other equipment from other manufacturers. A red backlight appears under the Device buttons when functions for that device are selected on the remote. The red light under the Device button is also used during programming and setting up the remote control. For instructions on learning new commands, turn to page 14.

PLEASE NOTE: The top left pushbutton on the remote control labeled "AVC" must be selected before using the remote control to operate the ATP7500.

POWER

This key operates the same way as the STANDBY button on the front panel. It sends the command to switch the ATP7500 into or out of standby mode. This button cannot turn the unit on; you must use one of the input selection buttons located further down on the (i.e. DVD, LD, VCR1, VCR2, etc.)

VOL ▲ and VOL ▼ (UP and DOWN)

When you press the ▲ key, you will increase volume setting, and when you press the ▼ key, you will decrease volume setting. These keys work exactly the same way as the rotating volume control on the front panel. If the ATP7500 is in the mute mode (after you have pressed the MUTE key on the handset), and you then press the VOLUME ▲ key, the ATP7500 will automatically disengage the mute mode and re-connect the signal to the power amplifier and the loudspeakers. This prevents mistaken setting an excessively high volume level.

CH ▲ and CH ▼ (UP and DOWN)

When you press the ▲ key, you will seek up, and when you press the ▼ key, you seek down the AM/FM tuner frequency.

MUTE

When you press the MUTE key, it will engage mute mode and the ATP7500's line outputs will be muted. MUTE is a toggle function, so when you press the key again it will disengage the mute mode. Mute mode is also disengaged when you increase the volume setting by using the VOL ▲ key on the remote.

TV

Toggle between NTSC and PAL video system (for OSD only).

GUIDE

When you press this key once, the status of the ATP7500 will be displayed on the OSD. The status display shows selected source, audio and video signal type, audio output type and volume information. The status display disappears after ten seconds or when you press the same key again.

MENU

When you press this key, the ATP7500 goes to setup mode. Use the up/down/left/right keys to navigate the menus. The ATP7500 escapes from setup mode when you either select EXIT from the OSD or press the MENU key again.

EXIT

This key exits the setup mode without saving the new settings. Use it if you have adjusted the setup menu by accident.

SELECT/PLAY

This is the enter key in setup mode. You can use it to access sub-menus or to activate special menu items.

▲, ▼, ◀, ▶ (UP, DOWN, LEFT, RIGHT KEYS)

Use these keys to navigate in the menu. The up and down keys are for selecting the parameter to be adjusted. The left and right keys are for adjusting the parameter you have selected with the up and down keys. The selected parameter is shown in the OSD with a different color and in the bottom row of the front panel display, or by an arrow in the beginning of the line.

DVD, LD, VCR1, VCR2, SAT, AUX, CD, TV, TUNER & TAPE

Selects a source input and turns unit on from "Standby" mode. You can access all sources directly from these keys. For example, when you press the DVD key, DVD audio and video signals are selected and they are then processed and fed to the appropriate outputs for listening/viewing.

7.1 CH

The 7.1 key operates in the same way as the 7.1 button on the front panel. It gives you instant access to select the 7.1 CHANNEL INPUT, which is deselected when the source is changed by using either the remote control handset or the front panel SOURCE SELECT buttons or by pressing the 7.1 CH key again.

SUR

This button places the processor into "Surround" mode.

MODE

This button toggles between Dolby Surround Pro Logic® II Music, Dolby Surround Pro Logic® II Movie, DTS Neo:6® Music and DTS Neo:6® Cinema modes.

BASS

This button sets the bass trim for the currently selected input.

STEREO

This button places the processor into "Stereo" mode.

MUSIC 7

This button places the processor into "7.1 Music" mode.

AM/FM TUNER PRESETS 1 through 10

To save the current radio station as a "preset", press and hold one of the 10 preset buttons until the sound mutes for approximately 1/2 second.

M1, M2, M3 and M5

These macro buttons can send out a sequence of up to ten (10) commands by pressing one (1) button. For further details on the macro function, see the remote control programming section.

ZONE

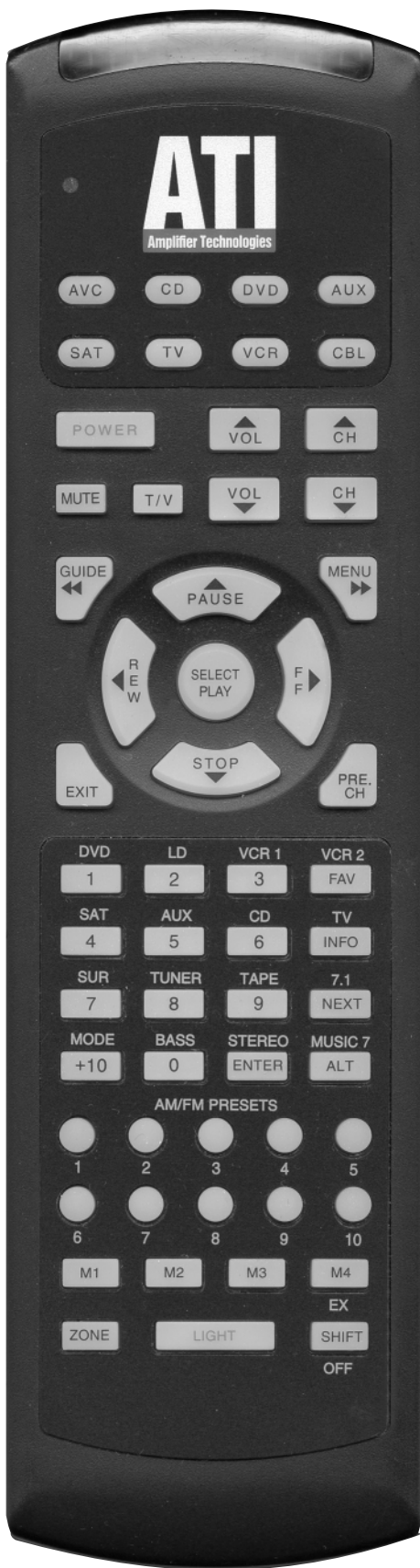
Activate remote for "Zone 2" function control (i.e. volume, seek, input source selection, mute and off).

LIGHT

The backlight will turn on for seven seconds when the LIGHT button is pressed. The light will remain on for another seven seconds whenever any other button is pressed while the light is on. The backlight will shut off automatically.

SHIFT

Allows you to toggle between AM and FM on the tuner.



Remote Control Programming

The remote allows you to transfer a command from a button on your source remote control (original equipment remote control) to a button on the ATP7500 remote control. In the CD, DVD, AUX, SAT, TV, VCR and CBL device modes, new commands can be taught to any button except the LIGHT button. The remote control provides distinct visual feedback with LEDs (Light Emitting Diodes) that are located at the top left of the remote control (Status LED) and under the Device buttons. The Status LED at the top left of the remote operates in three colors (red, orange and green). The Device buttons have a red color LED behind them. These LEDs will assist you in programming in the learning section of the remote control.

Learning a New Command

Select a Device mode in which you would like to teach the new command. For example, if you wanted to learn a new command to the **PREV CH** button in the TV mode on the remote, you would select the **TV** Device button and then use the instructions below to teach the new command to the **PREV CH** button.

- Step 1. Press the Device button and the **SELECT** button simultaneously, and hold until the orange Status LED and the Device button turn on and remain lit.
- Step 2. On the remote control, press the button that is to be taught the new command. The orange Status LED will begin to flash continuously. The Device LED will turn off.
- Step 3. On the source remote control (the original remote control), press and hold the button for the command to be learned until the Status LED on the remote turns green. Release the button on the source remote.
- Step 4. Press the button on the source remote control, once again to verify that the new command has been learned correctly. The Status LED will flash green twice and then turn to a steady orange color indicating that the programming was successful. The Device LED will turn on.

Repeat Steps 2 through 4 for any other buttons to be taught in the Device mode selected in Step 1.

- Step 5. Once you have completed learning new commands to the buttons in the selected Device mode, you must save the programmed information. Press and hold the Device button and **SELECT** button simultaneously, and hold until the orange Status LED flashes twice. The Device button will turn off.

Please repeat for any other Device modes starting from Step 1.

To Erase a Learned Command From a Button

- Step 1. Press the Device button and **SELECT** buttons simultaneously, and hold until the orange Status LED and the Device button turn on and remain lit.
- Step 2. On the remote control, press the button that is to be erased. The orange Status LED will flash continuously and the Device button will turn off.
- Step 3. Press the **LIGHT** button. The green status LED will flash twice, then turn to a steady orange. The Device button will turn on.

Repeat from Step 2 for any other buttons to be erased in the selected Device mode.

- Step 4. To exit this feature, press and hold the Device button and the **SELECT** button simultaneously, once again. The orange Status LED will flash twice and then turn off. The Device button will turn off.

To Erase All the Learned Commands In One Device Mode

- Step 1. Press the Device button and **SELECT** buttons simultaneously, and hold until orange Status LED and the Device button turn on and remain lit.
- Step 2. Press and hold the **LIGHT** button. The red Status LED will flash five times. Release the **LIGHT** button. The Status LED will then flash green twice and then the Device button will turn off. The Status LED will go to a constant orange indicating that all the learned information on buttons in the Device mode have been erased. The Device button will turn on.
- Step 3. To exit this feature, press and hold the Device button and the **SELECT** button simultaneously. The orange Status LED will flash twice and then turn off. The Device button will turn off.

To Erase All the Learned Commands In All Device Modes

Warning: This procedure will erase all learned commands on all buttons in the CD, DVD, AUX, SAT, TV, VCR and CBL device modes.

- Step 1. Press and hold the **TV** Device button and the **LIGHT** button simultaneously. The red Status LED will flash continuously. The Status LED will then flash green once, orange once then turn off, indicating that all of the learned commands on all of the Device modes on the remote control have been erased.

Volume Punch Through

The user can have the Audio Volume controls (**VOL ▲**, **VOL ▼** and **MUTE**) operate in any of the eight Device modes.

- Step 1. Press the Device and **MUTE** buttons, simultaneously.
- Step 2. Press the **VOL ▲** button.
- Step 3. Press the **AVC** device button to select the type of volume control you wish to operate in that mode.

Example: If you wish to have the AVC volume operate in the DVD mode, press the **DVD** Device button in Step 1. of the instructions and the **AVC** Device button in Step 3.

Programming the Macro Buttons

Macro buttons (**M1**, **M2**, **M3**, **M4** and **POWER**) can send out a sequence of up to ten (10) commands with one button press. Macros can be programmed in both the AVC and SAT modes but can also be accessed in other modes. If a macro is programmed in the AVC mode, that macro can also be accessed in the CD, DVD, and AUX modes. If a macro is programmed in the SAT mode, that macro can also be accessed in the TV, VCR and CBL modes. Macros can be used to turn on or turn off up to five (5) components or select favorite channels, etc.

SETTING UP

- Step 1. Press a Device button (AVC or SAT) and **MUTE** button, simultaneously. Hold both buttons until the red light under the Device button turns on.
- Step 2. Press one of the five macro buttons (**M1**, **M2**, **M3**, **M4** or **POWER**) you wish to program. The red light under the Device button will blink once for each subsequent button press.
- Step 3. Press up to 10 commands you would like to include in the macro sequence. Pressing a Device button to change modes is counted as one command.
Note: The Power On/Off command, for devices other than the AVC receiver, is programmed into a macro using the **MUTE** button.
- Step 4. Press the **CH ▲** button to store the commands. The red Status LED and the Device button will blink twice to confirm the program and then turn off.

TO ERASE A MACRO SEQUENCE

Follow the above Steps 1, 2 and 4 without going through Step 3.

Programming a Macro Sequence An Example

To program the **M1** button in the AVC mode to turn on the receiver, turn on the CD, turn on the TV and turn on the VCR.

- Step 1. Press the **AVC** button and **MUTE** buttons, simultaneously. Hold both buttons until the red light under the AVC button turns on. The red light will blink once during each subsequent button press.
- Step 2. Press the **M1** button to select the M1 macro.
- Step 3. Programming the **M1** macro Button: Press the **AVC** button to select the AVC Power command. Press the **CD** Device button to select the CD mode. Press the **MUTE** button to select the CD Power command. Press the **TV** Device button to select the TV mode. Press the **MUTE** button to select the TV Power command. Press the **VCR** Device button to select the VCR mode. Press the **MUTE** button to select the VCR Power command.
- Step 4. Press the **CH ▲** button. The red light under the **AVC** button will blink twice and then turn off indicating that the macro sequence has been stored.

Replacing the AC Power Fuse

1. Turn the unit off.
2. Disconnect the AC power cord.
3. Slide open the fuse drawer completely.
4. Remove and replace the fuse in the rear compartment.
5. Close fuse drawer completely.
6. Reconnect the AC power cord.

Note: Use fuse type 5 x 20 mm 1.0 Amp fast blow (IEC 127F).

Care and Maintenance

Great care has been taken to ensure that your ATP7500 preamplifier/processor is as flawless in appearance as it is in performance. The front panel is finished with a high-grade anodizing process for durability as well as beauty. It is best cleaned with a soft cloth dampened with a mild solution of liquid detergent and water, then with a fresh cloth dampened with clean water. Wipe dry immediately with a dry cloth.

CAUTION: UNDER NO CIRCUMSTANCES SHOULD A LYE SOLUTION, POWDERED CLEANSER OR ABRASIVE CLEANER BE USED ON THE UNIT. NEVER SPRAY LIQUIDS DIRECTLY ON THE UNIT.

Troubleshooting

Your preamplifier/processor is designed for trouble free operation. If you follow the instructions in this manual you should enjoy many years of high quality listening enjoyment. However, as with any sophisticated electronic device, there may be occasional problems upon initial installation, or during the life of the unit. The items on the list below are a brief guide to the minor problems that you may be able to correct yourself. If these solutions do not rectify a problem, or if the problem persists, contact us for assistance.

Problem

No sound, Status indicator and display are OFF.

NO sound, Status indicator and display are ON.

NO remote control function and Status indicator OFF.

NO remote control function and Status indicator is red.

All functions work except in tuner mode.

Audio path works fine but the video signal does not correspond to the program source or vice versa.

ATI Service Information

In the event that the unit must be returned to the factory, an RMA (Returned Merchandise Authorization) number must be requested from Amplifier Technologies, Inc. prior to shipping the unit to ATI. Under no circumstances should the unit be shipped to ATI without prior authorization.

Please contact: Amplifier Technologies, Inc.
1749 Chapin Road
Montebello, CA 90640
Phone: 818-343-4777
Email: sales@ati-amp.com

It is important that you include a note describing the exact problem you are experiencing with the unit so that our repair technicians may provide better service. The unit must be sent freight **PREPAID** to ATI and we will return it to you on a prepaid basis as long as a problem was found (continental U.S. only).

In order to assure its safety, use only the original packing carton. If you no longer have the proper packing materials, a duplicate set may be ordered for a minimal charge. Always ship via UPS or other approved carriers and add proper insurance coverage. Never ship your unit via Parcel Post.

For Future Reference

Model Number _____

Serial Number _____

Date of Purchase _____

Where Purchased _____

Solutions

Check if AC power cord is securely plugged in.
Check AC power fuse, replace if necessary.

Check all RCA cables for proper connections.
Verify correct source is selected.
Verify power amplifiers are turned on.

Press Power button on the front panel.
Verify the Status indicator turns red.

Press AVC button on remote first.
Check to ensure batteries are installed.
Check if the IR receiver path (located inside the display lens) is blocked by any obstructions.

Check if antenna cables are properly connected.

Verify that all video and audio connections correspond to the correct source legend on the rear panel.

Specifications

All Specifications refer to 1 Vrms and 0 dBf digital or 2 Vrms analog input, except when stated.

Input Level	200mVrms
Output Level (Preamp)	3.5 Vrms
Input Impedance	15 k Ohms
Total Harmonic Distortion (Stereo Source)	<0.03%
Total Harmonic Distortion (7.1 Channel Source)	0.003%
Frequency Response (Stereo Bypass Mode)	20Hz to 20kHz (±0.3 dB)
Stereo Analog Input Level	2 Vrms
Signal-to-Noise Ratio	98 dB CCIR-ARM
Digital Audio Inputs/Outputs	4 Coax, 2 Optical/1 Optical
Analog Audio Inputs/Outputs	8 RCA Pairs/2 RCA Pairs
7.1-Channel Audio Inputs/Outputs	1 Set RCA1/Set RCA
Video Inputs (Composite, S-Video, Component)	5, 7, 2
Video Outputs (Composite, S-Video, Component)	4, 3, 1
Second Zone Inputs and Outputs	1 Audio In/1 Variable & 1 Fixed Audio Out
Triggers	1 Main Zone, 1 Zone 2, 1 12V, 1 IR
AM/FM Tuner	Yes
Voltage Automatic Setting	100 VAC to 240 VAC
Chassis Dimensions (W x H x D) Inches	17 x 5.75 x 12.5
Chassis Dimensions (W x H x D) Millimeters	431.8 x 146.1 x 317.5
Net Weight (lbs/kg)	24/10.91
Shipping Weight (lbs/kg)	32/14.55

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90-Day Limited Warranty Terms and Conditions

(7-Year Optional Extended Warranty)

This ATI product is warranted against defects in materials and workmanship for 90 days from the date of purchase by the original owner. The date of purchase shall be established by the original owner presenting to the ATI Customer Service Facility the original owner's purchase receipt or sales slip showing from whom the product was purchased, the date of purchase and the purchase price of the unit.

In the event that proof of purchase cannot be established as stated in the preceding sentence, the warranty period shall commence on the date of manufacture, provided the serial number on the unit has not been altered in any manner.

During the warranty period, ATI will repair, or at its option, replace at no charge, components that prove to be defective provided the product is returned in accordance with the shipping instructions that are contained in the unit. The unit is to be sent PREPAID in the original carton and packing along with a detailed description of the problem to ATI in the event it needs factory servicing. ATI will return it prepaid to you upon completion of the service.

Optional Extended Warranty Program

The standard 90 Day Limited Warranty will be extended to a 7 Year Limited Warranty if the following conditions are met:

The ATI product is purchased from an authorized ATI reseller.

The customer completes the registration card.

The customer returns the completed registration card AND copy of original bill of sale to ATI within 14 days of purchase.

ATI will send confirmation of extended warranty when all conditions are met.

This extended warranty is transferable to subsequent purchasers as long as all Optional Extended Warranty conditions are met.

Transferability

The above warranties are transferable to subsequent owners as long as all the conditions are met under the Optional Extended Warranty Program. The warranty is not transferable if the unit(s) was originally purchased from an unauthorized seller.

The above warranties do not apply if the product has been damaged by accident or misuse or as a result of modification by other than the ATI factory service facility.

ATI shall not be held liable for incidental or consequential damages of any kind arising from the sale or use of its products. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

THERE ARE NO WARRANTIES GIVEN BY ATI THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. ALL IMPLIED WARRANTIES OF FITNESS FOR PURPOSE SOLD, MERCHANTABILITY, DESCRIPTION, QUALITY PRODUCTIVENESS OR ANY OTHER MATTERS ARE LIMITED TO THE TERM OF THE EXPRESS WARRANTIES HEREIN STATED.

Some states do not allow limitations on how long an implied warranty may last, so the above limitation may not apply to you.

Obligation to Make Changes

Products are sold on the basis of specifications applicable at the time of sale. ATI shall have no obligation to modify or to update products once sold.

This warranty gives you specific rights and you may also have other rights that vary from state to state. This warranty is applicable only in the United States.

Warranty Outside the United States

ATI has formal distribution agreements in many countries. The ATI importer in those countries has assumed the responsibility for servicing ATI products. Please contact the dealer or distributor in the country where you purchased your product for any service issues.



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