ADCOM

details you can hear

GTP-760

Digital Processing
Tuner / Preamplifier

OWNER'S MANUAL

This page should be picked up from any Adcom manual second page (inside front cover)

SAFETY NOTIFICATION PAGE

This equipment generates and uses radio frequency energy and if not installed and used properly (that is, in strict accordance with the manufacturer's instructions), may cause interference to radio and television reception. It has been type tested and found to comply with the specifications Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation.

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

- Reorient the receiving antenna
- Relocate the processor with respect to the receiver
- Move the processor away from the receiver
- Plug the processor into a different outlet so that the processor and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, DC, 20402, Stock No. 004-000-00345-4.

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

Attention— *Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant ou une autre sortie de courant, sauf si les lames peuvente être insérées à fond sans laisser aucune partie a décourvert.*

Explanation of Graphic Symbols

This "**Lightning Flash with Arrowhead**" symbol is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The "**Exclamation Point**" symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

A NOTE FROM ADCOM

Thank you and congratulations on your purchase of the ADCOM GTP-760 Digital Processing Tuner/Preamplifier. The GTP-760 forms the centerpiece of a truly leading edge home theater system. To deliver the highest possible performance, ADCOM designers and engineers utilized the most advanced digital signal processing "engines" available, the Motorola 56000 series. The GTP-760 actually uses three processors in combination, two 56009's and one 56007, for full 24-bit Dolby Digital and DTS decoding with digital bass management. In addition, we chose high precision six channel 20-bit Digital-to-Analog converters and all Class A analog output circuits for the finest possible sound.

ADCOM PROTECTION PLAN (USA ONLY)

ADCOM offers the enclosed valuable Limited Warranty. Please read the details on the Warranty Card carefully to understand the extent of the protection offered by the Warranty, its reasonable limitations, and what you should do in order to obtain its benefits. Be sure to verify that the serial number printed on the rear panel matches the serial number on the outer carton. If any number is altered or missing, you should notify us immediately in order to ensure that you have received a genuine ADCOM product which has not been opened, mishandled, or tampered with in any fashion.

CONCEALED SHIPPING DAMAGE

Before your new GTP-760 left our factory, it was carefully inspected for physical imperfections and tested for all mechanical and electrical parameters as a routine part of ADCOM's systematic quality control program. This should ensure a flawless product in both appearance and performance. After you have unpacked the GTP-760, inspect it for physical damage. Save the shipping carton and all packing material as they are intended to reduce the possibility of transportation damage should your component ever need to be shipped or moved again.

In the unlikely event that damage has occurred, notify your dealer immediately and request the name of the freight carrier so a written claim to cover shipping damages can be filed. 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 HAS BEEN SETTLED.

Table of Contents

LD input
VCR input and output
Video aux input
Room 2 output
Video monitor outputs
Video Processor input and output
Video Processor On/Off switch
Remote control connections
Infrared repeater outputs
Remote sensor extension outputs
Preamplifier outputs
5.1 Channel inputs
AC fuse holder
AC power cord
AC convenience outlet

1.0 PRODUCT FEATURES

1.1 Front Panel Controls

The GTP-760's front panel is a model of simplicity. All controls are logically grouped for easy, intuitive operation. Familiarize yourself with the following diagram and read the short explanations of each feature. When you finish, you will be well on your way to enjoying the GTP-760's convenience and sound quality.
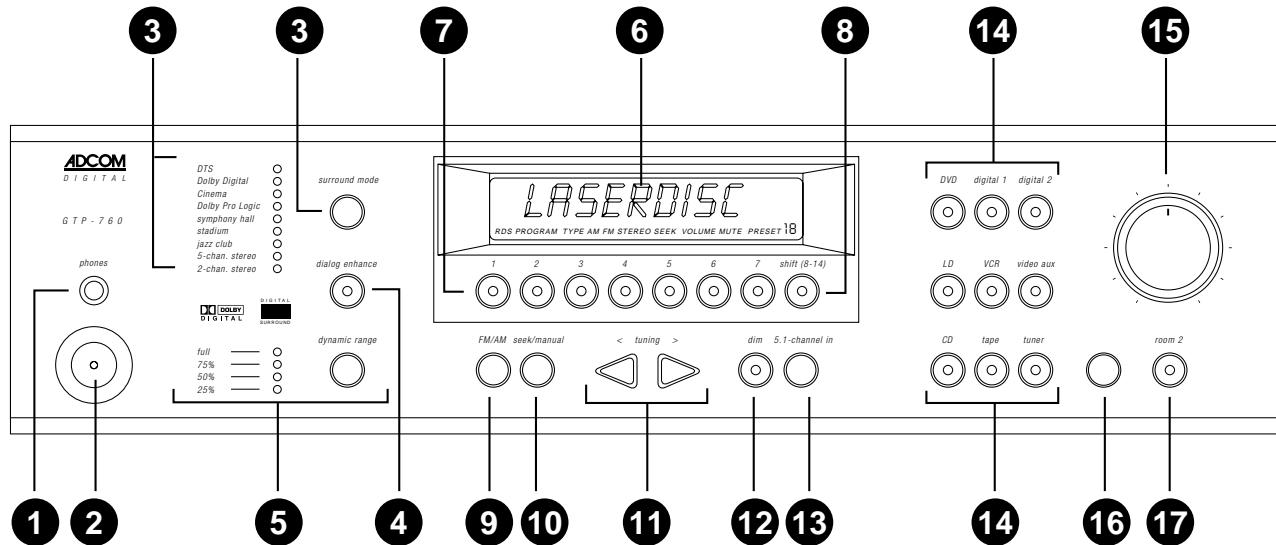
1 **Headphone Jack:** This accepts the stereo 1/4" phone plug connector used by almost all high quality headphones. When you use the headphone jack, the GTP-760's rear panel main line level Preamp outputs are muted. Room 2 outputs are NOT affected.

2 **Power Button and LED:** Use this button to turn your GTP-760 **ON** and **OFF**. When you first push the Power Button to the ON (depressed) position, the center LED will glow yellow until all circuitry stabilizes. When your GTP-760 is ready to use, the LED will turn red.

NOTE: The front panel Power Button must be engaged to use the remote control. If the front panel Power Button is not depressed, the remote control will not have any effect. When the front panel Power Button is engaged, the remote controller's "Power" button will cycle your GTP-760 between standby and operation modes. When in standby mode (indicated by the yellow LED), you need to press the remote control's "Power" button to activate your GTP-760's circuitry (the LED will turn red when you do this).

3 **Surround Mode Button and LED Indicators:** Pushing the button sequentially steps your GTP-760 through all the available operating modes for the selected input. The modes that are not available for the current operating state are automatically bypassed.

For the 6 analog inputs, the choices are always the same - *Dolby Pro Logic*, *Dolby Pro Logic/ Cinema*, *symphony hall*, *stadium*, *jazz club*, *5-chan. stereo*, and *2-chan. stereo*.

For digital inputs (DVD, digital 1 and digital 2) the choices are dynamic and depend on the type of signal being input.

For DTS signals, the choices are *DTS*, *DTS/Cinema* and *DTS/2 chan. stereo*.

For Dolby Digital 5.1 channel signals, the choices are *Dolby Digital*, *Dolby Digital/Cinema* and *Dolby Digital/2 chan. stereo*.

For familiar music CDs (also called PCM signals) the choices are the same as for analog inputs, *Dolby Pro Logic*, *Dolby Pro Logic/Cinema*, *symphony hall*, *stadium*, *jazz club*, *5-chan. stereo*, and *2-chan. stereo*. Because CDs do not carry Dolby Digital signals, the *Dolby Digital* option is not available and the GTP-760 automatically bypasses that choice.

4   **Dialog Enhance Button:** A shelving filter with a corner frequency of 7 kHz that reduces the often excessive high frequencies on some movie soundtracks that make them fatiguing to listen to. It also provides a boost in the midrange output for center and front channel speakers.

5   **Dynamic Range Button and LED Indicators:** This button, usable only with a Dolby Digital source, incrementally reduces the audio track's dynamic range in four steps (full, 75%, 50%, and 25%) to allow comfortable listening under a wide variety of conditions. The normal, or default, position is full.

Although we usually prefer to reproduce a source's full dynamic range (the difference between very loud and very soft sounds), we occasionally need to reduce dynamics. For example, when playing a movie late at night, loud explosions might wake sleeping family members. Simply turning the volume control down would probably make a whisper in the next scene inaudible. The Dynamic Range button solves this dilemma by progressively lowering the volume of loud peaks while increasing the level of softer sounds. This allows you to hear every element of the soundtrack without disturbing those around you or forcing you to strain to hear delicate nuances.

6   **Display Window:** This shows all the pertinent information you will need to effectively use the GTP-760 on a daily basis. We carefully designed this window to display only the data you need at the time you need it. The window's configuration will change as you ask the GTP-760 to do different things. The display normally shows the input you've selected. If you're currently listening to AM or FM radio, the display shows that signal's frequency. Additional information appears as needed and we'll note these appearances in subsequent sections of this manual.

7   **Tuner Preset Buttons:** These buttons allow quick access to up to 14 preselected AM or FM broadcast frequencies. To save presets, tune to the desired station and press one of these 7 buttons. Continue to hold the button until it lights and the display shows the preset number. Use the Shift button in conjunction with these buttons to select and save presets 8-14.

8   **Shift (8-14) Button:** This allows each of the 7 tuner preset buttons to do "double duty." When the LED in the center of the shift button is illuminated red, the 7 tuner preset buttons activate tuner presets 8-14. When the LED in the center of the shift button is not illuminated, the 7 tuner preset buttons activate tuner presets 1-7.

9   **FM/AM Button:** As you might expect, this button selects AM or FM. In addition to the selected broadcast frequency, a small "AM" or "FM" indicator appears in the bottom of the Display Window to confirm your choice.

10   **Seek/Manual Button:** This controls the tuner's scan function and working of the tuning buttons.
In SEEK - goes UP to the next available station.
In MANUAL - moves UP in increments to the desired frequency you select manually.

11   **Tuning Down/Up Buttons:** These allow easy selection of all the stations your GTP-760 can receive. Remember that these Tuning buttons will scan to the next active or to the adjacent frequency depending on how you've set the Seek/Manual button described above.

12   **Dim Button:** This reduces Display window brightness for listening or viewing in a dark room. The button simply switches between full and reduced illumination.

13　**5.1 Channel In Button:** This button selects the 5.1 channel analog input, which allows the user to enjoy high-resolution, multichannel formats such as DVD-Audio and Super Audio CD. This pure analog input completely bypasses any digital conversion or processing to maintain the highest possible audio quality; thus, delay and bass management are disabled and no surround modes may be selected when using the 5.1 channel analog input. This input is selectable from the front panel only.

14　**Input Selector Buttons and LED indicators:** These allow easy choice of any available input. When you select a particular input, the LED in the center of that button will light and the input name will appear in the Display window to confirm your choice. Choosing an input automatically selects the Surround mode last used with that input. You may change the Surround mode at any time by using the Surround Mode button (#3 above).

15　**Master Volume Control:** This rotary knob adjusts the volume for all active speakers simultaneously. While it has the accustomed look and feel of the familiar analog volume control, it's internal implementation is digital. The distinction will be apparent only in that the knob will NORMALLY be positioned near 12 o'clock for typical listening levels. This will be true for all sources.

16　**IR (infrared) Sensor:** This small window receives commands from the remote controller. **Do not block this window with accessories, cables, CD jewelboxes, etc.**, or the remote control will not work.

17　**Room 2 Button:** Pressing this button will activate the Room 2 output circuitry, enabling any of six analog audio and video sources; LD, VCR, video aux, CD, tape, and tuner. Pressing the Room 2 button a second time will cause the LED's on the available source buttons to il luminate. The source that is currently selected for Room 2 will be flashing. Choose the source you want to send to Room 2 by pressing the desired source button, it will illuminate steadily and the others will go off. Pressing and holding Room 2 for several seconds will turn the Room 2 output OFF.

1.2　**Rear Panel Inputs & Outputs — System Connections**

Like the front panel, the GTP-760's rear panel is carefully arranged to make hookup, configuration, and use as simple as possible. However, the GTP-760's extraordinary capabilities take some study to use most effectively. We strongly suggest that you read this section of the manual before beginning to hook up your system. You will save yourself much time and effort if you carefully think out what you expect from your system: consider the components you will use, where they'll be placed, and how you will want them to work together.

The diagrams and notes in this section will probably answer most of your questions about interfacing the GTP-760 with other components in your system. You will find more detailed information on initial setup and configuration in following sections of the manual.

> Note that the GTP-760's RCA-style jacks have color-coded centers to make connections easier. Use this key to help route cables properly:
>
> | | | |
> |---|---|---|
> | **YELLOW** centers | = | **VIDEO** inputs (composite) |
> | **BLACK** centers | = | **DIGITAL AUDIO** inputs |
> | | | and |
> | | | **CENTER CHANNEL** and **SUBWOOFER** |
> | | | **PREAMP** inputs and outputs |
> | **WHITE** centers | = | **LEFT CHANNEL ANALOG AUDIO** inputs |
> | **RED** centers | = | **RIGHT CHANNEL ANALOG AUDIO** inputs |

Composite or S-Video?

One of the first system hook-up decisions to make will be which video format to use. While the composite video format is more widely used, S-Video can offer improved picture quality. The GTP-760 does not convert between the two formats. However, it can save the video mode for each input. It is recommended that only one video format be used as this simplifies normal operation. However, setup for using both formats is also described below. The GTP-760 is shipped from the factory ready for composite video sources and display devices.

For Composite Video Only: If your television has only composite video inputs (usually a yellow colored RCA style connector) or you elect to use only composite video connections in your system, then the GTP-760 is already properly set. Connect a video cable from one of the two yellow "standard monitor" video jacks on the back of the GTP-760 to the video input of your television. Turn on the GTP-760 and television and verify a blue colored screen. If you are unable to get the blue screen, consult your television owner's manual to determine how to select the appropriate television input. If you are certain your television is in the correct mode, follow directions 1 through 3 below (S-Video only). Repeat that procedure until the GTP-760 display reads COMPOSITE at the completion of step 3.

For S-Video Only: If your television has an S-Video input and all of your video source components have S-Video outputs, then you will probably elect to use only S-Video connections in you home theater system. The following steps will switch the GTP-760 to S-Video operation.

1) Turn the GTP-760 off via the front panel power switch.
2) On the front panel, hold the **surround mode** button down and power the unit ON.
3) Continue to hold the **surround mode** button until the front panel display of the GTP-760 reads S-VIDEO.

The GTP-760 is now set for S-VIDEO operation. (Note: Repeating the procedure returns the unit to composite mode and COMPOSITE shows in the display). Connect an S-Video cable from one of the two "S-video monitor" jacks on the back of the GTP-760 to the S-Video input of your television. Turn on the GTP-760 and television and verify a light gray colored screen. If you are unable to get the gray screen, consult your television owner's manual to determine how to select the appropriate television input.

For using both Composite and S-Video: While more difficult to do, you may elect to use both video modes, if some of your video sources have composite video only and others have S-Video capability. This connection also requires that your television accepts both formats. A common scenario would be connecting both a VCR that has composite video only and a DVD player that has S-Video capabilities to your GTP-760. The GTP-760 will not convert between the different video types, but will remember the video mode for each of its inputs. Thus, when you select VCR, the GTP-760 switches to composite video mode. When you select DVD, the GTP-760 switches to S-Video mode. Consequently, to operate your system in this way connect BOTH a composite video cable from one of the "standard monitor" jacks on the back of the GTP-760 to the composite input on your television AND an S-Video cable from one of the "S-Video monitor" jacks on the back of the GTP-760 to the S-Video input of your television. (Note, in this example, the GTP-760 switches modes automatically, but you will still need to manually change the mode of your television anytime you switch between these inputs). Turn on the GTP-760 and television and verify a blue colored screen. If you are unable to get the blue screen, consult your television owner's manual to determine how to select and use the television's video inputs. All of the GTP-760 inputs are initially set for composite mode. Consult section 3.5 INPUT SETTINGS discussion of the VIDEO field to use the GTP-760 on screen display to save the S-Video mode settings for your S-Video sources.

18	Antenna connections		Digital 1 input (RF)
19	Digital audio/standard (composite) video inputs		LD input
	DVD		VCR input
	Digital 2		VCR output
	Digital 1 (RF)		Video aux input
20	Digital 1 RF Demodulator switch		Room 2 output
21	12 volt trigger output		S-Video monitor outputs
22	Analog audio/standard		Video Processor input and output
	(composite) video inputs and outputs	24	Video Processor On/Off switch
	LD (laserdisc) inputs	25	Remote control connections
	VCR inputs and outputs		Infrared repeater outputs
	Video aux in		Remote sensor extension outputs
	Room 2 outputs	26	Preamplifier outputs
	Video Processor inputs and outputs	27	5.1 inputs
	Tape inputs and outputs	28	AC power cord and AC fuse holder
	Standard (composite) video monitor outputs	29	AC convenience outlets
	CD inputs		
23	S-Video inputs and outputs		
	DVD input		
	Digital 2 input		
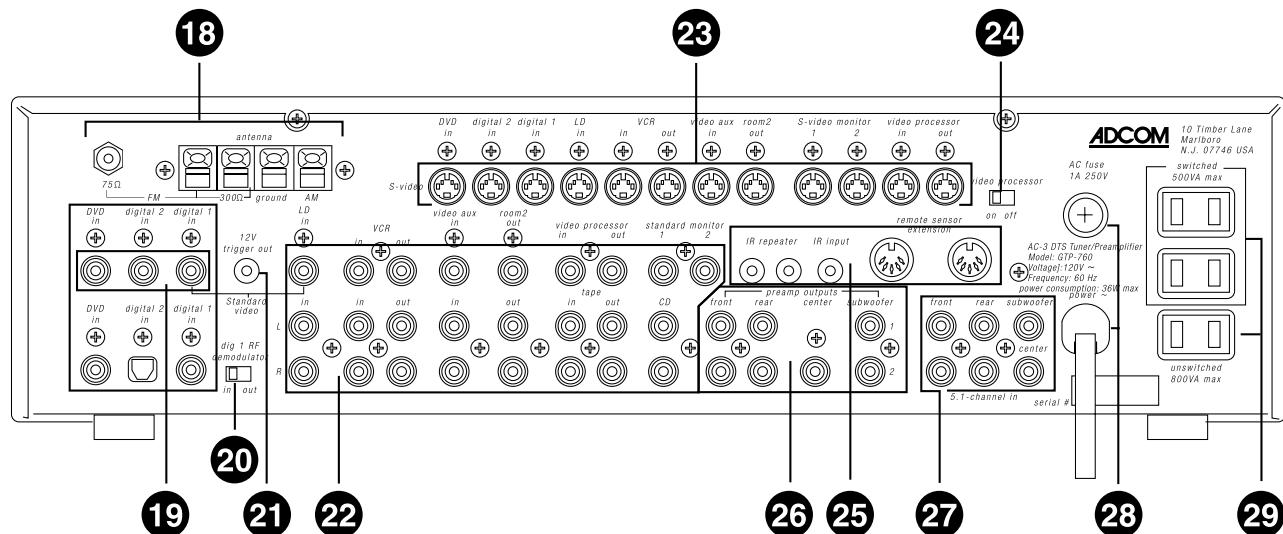
18 **Antenna Connections:** You need to connect different antennas for FM and AM reception.
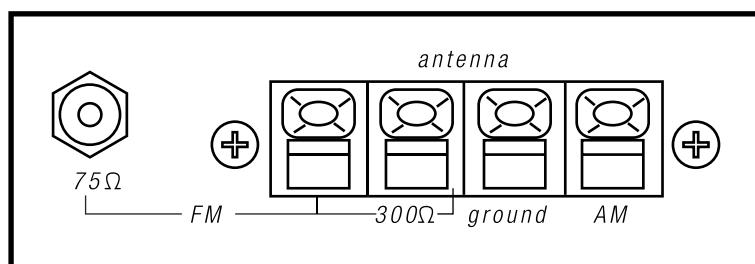
For FM, use either the 75 ohm "F" connector or the 300 ohm "push terminals" depending on what type of antenna you've chosen. If you're getting FM from a cable system feed, you will most likely use the "F" connector. The "T" shaped antenna supplied with the GTP-760 uses the push terminals marked "300 ohms." "T" antennas are directional. They should be placed as high as possible with the arms fully extended. If possible, the arms should be oriented so that they are at right angles to the transmitter.
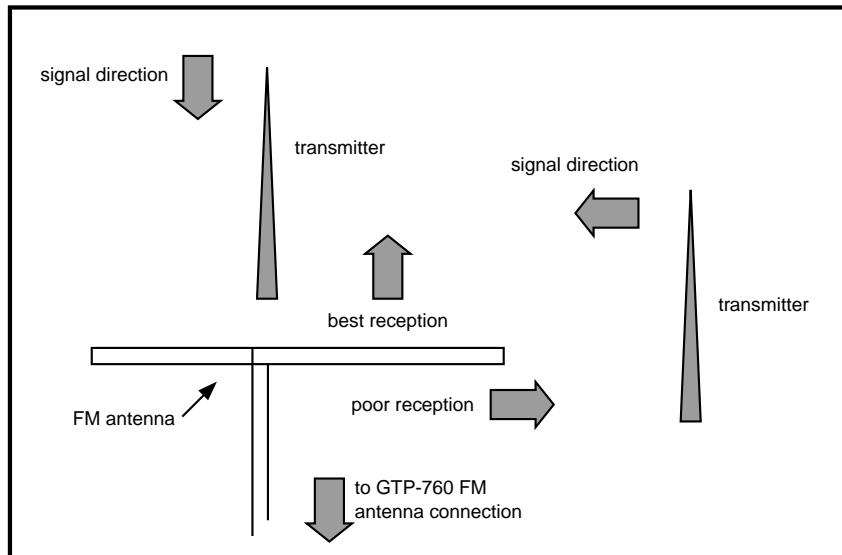
The supplied AM loop antenna connects to the push terminals marked "ground" and "AM," respectively. You may need to adjust the position of the antenna for best reception. If you use an outdoor AM antenna, follow the manufacturer's instructions.

19   Digital Audio/Standard (Composite) Video Inputs

Remember that you must choose either standard (composite) or S-Video connections before hooking up source components. This section of the manual assumes you have chosen composite connections. S-Video connections will be handled in a subsequent section.

DVD in: Connect the DVD player's composite video output to the yellow-center RCA jack immediately under the "DVD in" label.

Connect the DVD player's RCA-style digital output jack to the GTP-760's black-center RCA jack located under the "DVD in" label.

Note: If your DVD player has only a TOSlink (optical) digital output, you may need to connect it to "dig.2 in." If this is the case, remember to connect the player's video output (composite or S-

DVD
in

digital 2
in

digital 1
in

12V
trigger out

LD
in

Standard
video

in

DVD
in

digital 2
in

digital 1
in

L

dig 1 RF
demodulator

R

in   out
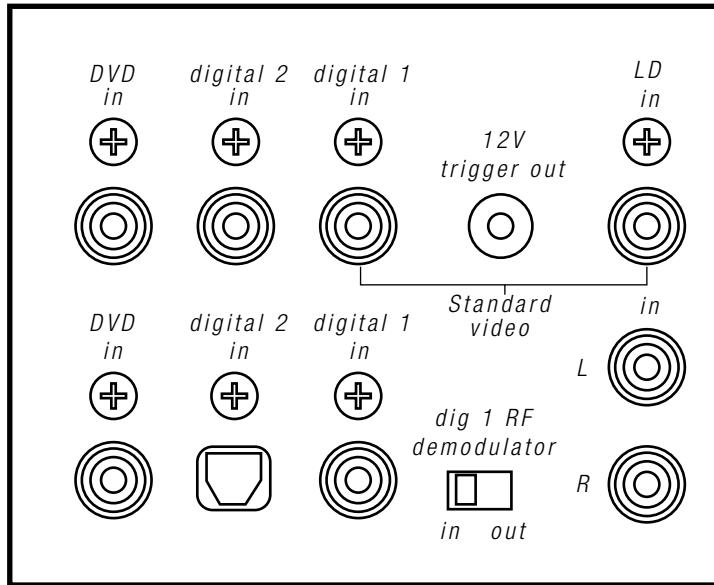
Video) to the appropriate "dig.2 in" jack.

Digital 2 in: This input is recommended for an audio/video source (DSS receiver, etc.) with a TOSlink (optical) digital output.

Remember that the composite video connection will go to the yellow-center RCA jack immediately under the "dig.2 in" label.

Connect the source's TOSlink (optical) digital output to the GTP-760's TOSlink socket located under the "dig.2 in" label.

Digital 1 in (RF): We recommend this input for laserdisc players with a digital RF output. It is the only input on the GTP-760 equipped with the RF demodulator needed to process a laserdisc's Dolby Digital encoded soundtrack.

Connections follow the same pattern detailed in "DVD in" and "Dig.2 in" above. Connect the laserdisc player's composite video output to the yellow-center RCA jack immediately under the "dig.1" label. Then connect the player's coaxial digital output to the black-center RCA jack under the "dig.1 in" label.

20   Digital 1 RF Demodulator (bypass) Switch
(see illustration on preceding page)

This switch adds flexibility to the GTP-760. If you play laserdiscs with Dolby Digital-encoded soundtracks, put this switch in the **IN** position. This places the demodulator circuit in the signal path and allows proper Dolby Digital decoding.

If you do not have a laserdisc player with a digital RF output, place the switch in the **OUT** position. You can then use this input in exactly the same way as you would use the DVD input.

21   12 Volt Trigger Output
(see illustration on preceding page)

To facilitate remote turn-on and turn-off of other components (power amplifiers, for example), this 2.5 mm mini-jack provides a constant signal (12 volts DC) whenever the GTP-760 is fully powered. When the GTP-760 is turned off (via the front panel switch) or placed in standby mode (via the "power" button on the remote control), the jack has no output.

22   Analog Audio and Standard (Composite) Video Inputs and Outputs
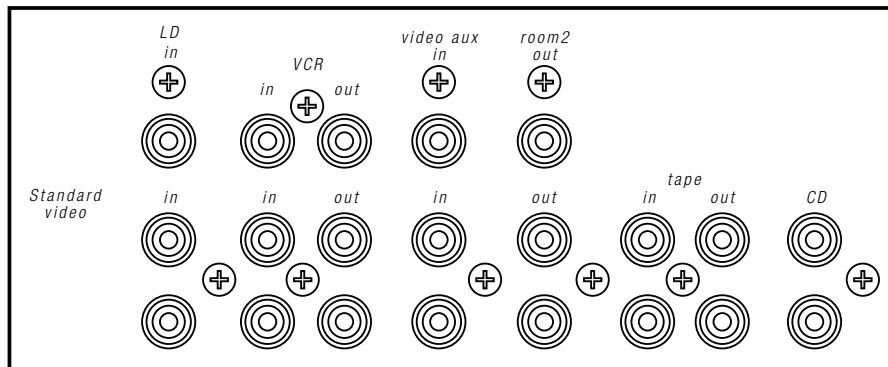
LD (laserdisc) **Inputs:**

Use these inputs as you have already used the digital source inputs (see #19 above.) After selecting and connecting the laserdisc player's composite video output to the GTP-760's yellow-center RCA jack immediately under the "LD in" label, connect the player's left channel analog audio output to the **white** RCA jack under the "LD in" label. Then connect the player's right channel analog audio output to the "LD in" **red** RCA jack.

VCR Inputs and Outputs:

Because you will use your VCR to record as well as play, take care to follow these instructions carefully.

1)   Connect the VCR's composite video output to the GTP-760's yellow-center RCA jack immediately under the "VCR in" label.
2)   Connect the VCR's composite video input to the GTP-760's yellow-center RCA jack immediately under the "VCR out" label.
3)   Connect the VCR's left channel analog audio output to the GTP-760's **white** "VCR in" jack.
4)   Connect the VCR's right channel analog audio output to the **red** "VCR in" jack.
5)   Connect the VCR's left channel analog audio input to the GTP-760's **white** "VCR out" jack.
6)   Connect the VCR's right channel analog audio input to the **red** "VCR out" jack.

Note: *You may want to use so-called "A/V combination" patch cords to make this step less confusing. Sold under a variety of names, these combination cables usually include a video conductor and two audio conductors in one cable assembly. If you elect to use them, make sure that they support the video format (composite or S-Video) you've chosen for your system.*

Video Aux Input:

This input is electrically identical to the LD input described above and will accommodate a wide variety of audio/video sources.

After selecting and connecting the source's composite or S-Video output to the GTP-760's corresponding "video aux" video input, connect the source's left channel analog audio output to the **white** RCA jack under the "video aux in" label. Then connect the source's right channel analog audio output to the **red** RCA jack under the "video aux in" label.

Room 2 Outputs:

These outputs supply video and audio signals for distribution to a secondary area or room in your home. Room 2 features are covered in section 4.3 of this manual.

Connect the composite Room 2 video output to the video display device (TV or video projector) in the remote area. Make sure the cable(s) you use for this connection are high quality and well shielded as long cable runs act as antennas for unwanted interference signals.

digital 2 in digital 1 in LD in VCR out video aux in room2 out

room2 out video processor in out standard monitor 1 2 IR repeater

out tape in out CD front rear

L

R
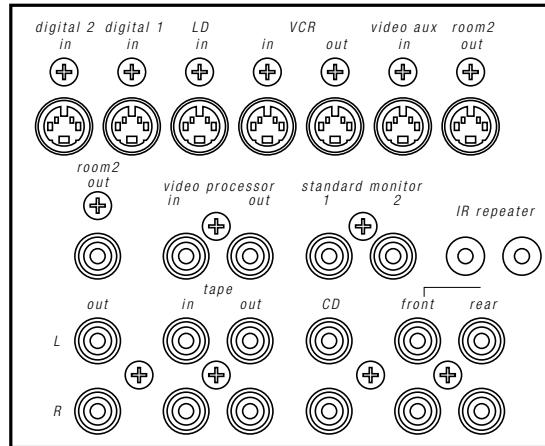
(Depending on the distance between the GTP-760 and the display device and, to a lesser extent, the video format you've chosen, you may need a video distribution amplifier to make sure the signal arrives at the display device properly. Consult your ADCOM dealer for additional information if needed.)

Connect the **white** "Room 2 out" jack to the left channel input of the amplifier used to power speakers in the remote area. Then connect the **red** "Room 2 out" jack to the amplifier's right channel input.

Video Processor Inputs and Outputs:

These connections allow easy interface with video processors. Note that a separate video processor handles video signals only so you don't need to concern yourself with any audio connections between it and the GTP-760. (For additional information, consult your video processor's manual)

video processor
in   out
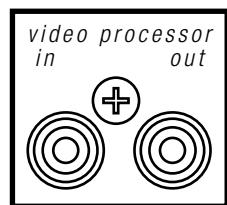
Connect the processor's composite video output to the GTP-760's yellow-center "**Video Processor in**" jack. Then connect the video processor's composite input to the GTP-760's yellow-center "Video Processor out" jack.

If you are using the GTP-760 with a separate video processor, make sure you've set the Video Processor switch to the "ON" position.

Tape Inputs and Outputs:
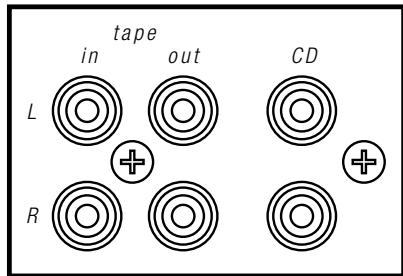
These connections are designed for a cassette deck or any other audio recording device with line-level analog inputs and outputs.

Follow these instructions:

1) Connect the recorder's left channel analog audio output to the GTP-760's **white** "tape in" jack.
2) Connect the recorder's right channel analog audio output to the **red** "tape in" jack.
3) Connect the recorder's left channel analog audio input to the GTP-760's **white** "tape out" jack.
4) Connect the recorder's right channel analog audio input to the **red** "tape out" jack.

Standard (Composite) **Video Monitor Outputs:**
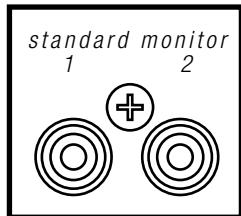
Connect the main monitor or display device to the yellow-center RCA jack under the "standard monitor 1" label. You may use the "standard monitor 2" jack for another monitor if desired. Properly connected, either monitor will then display an image from a video source or on-screen menu information when appropriate.

CD Inputs:

These line-level analog inputs allow easy connection of a CD player (or other two channel analog audio source.)

Follow these instructions:

1) Connect the CD player's left channel analog audio output to the GTP-760's **white** "CD in" jack.
2) Connect the CD player's right channel analog audio output to the **red** "CD in" jack.

23   S-Video Inputs and Outputs

*Note: This section assumes that you've elected to use S-Video sources and display devices and that you've set the GTP-760 for S-Video signal transfer by following the steps described in the boxed note entitled **Composite or S-Video?** on page 9.*

| DVD in | digital 2 in | digital 1 in | LD in | VCR in | VCR out | video aux in | room2 out | S-video monitor 1 | 2 | video processor in | out |
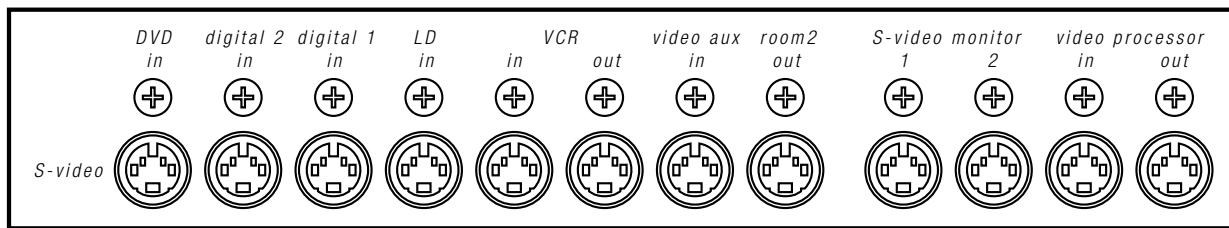
S-video

When hooking up S-Video capable audio/video components, follow the steps outlined in Sections 19 and 22 above. However, ignore the instructions for composite video connections and substitute the following:

DVD in: Connect the DVD player's S-Video output to the mini-DIN connector under the S-Video "DVD in" label.

Digital 2 in: Connect the source's S-Video output to the mini-DIN connector under the S-Video "dig. aux in" label.

Digital 1 in (Dolby Digital RF optional): Connect the source's S-Video output to the mini-DIN connector under the S-Video "digital 1 in" label.

LD in: Connect the LD player's S-Video output to the mini-DIN connector under the S-Video "LD in" label.

VCR in: Connect the VCR's S-Video output to the mini-DIN connector under the S-Video "VCR in" label.

VCR out: Connect the VCR's S-Video input to the mini-DIN connector under the S-Video "VCR out" label.

Video aux in: Connect the source's S-Video output to the mini-DIN connector under the S-Video "video aux in" label.

Room 2 Output: Connect the video display device to the S-Video mini-DIN output under the "room 2 out" label.

S-Video Monitor Outputs: Connect the main monitor or display device to the mini-DIN jack under the "S-Video monitor 1" label. You may use the "S-Video monitor 2" jack for another monitor if desired.   Properly connected, either monitor will then display an image from a video source or on-screen menu information when appropriate.

**Video Processor Input and Output:** Connect the Video Processor's S-Video output to the mini-DIN jack immediately under the "video processor in" label. Then connect the video processor's S-Video input to the mini-DIN jack under the "video processor out" label.

24   Video Processor On/Off Switch

This switch controls a "video loop" that enables the GTP-760 to function with a separate video processor.

For conventional home theater systems, make sure the "**video processor on/off**" switch is in the **OFF** position. When using a separate video processor, place this switch in the **ON** position.

25   Remote Control Connections
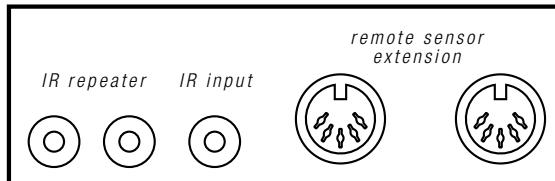
.   **Infrared Repeater:** These mini-jack outputs transfer command codes received from either the **IR mini-jack** or **remote sensor extension** inputs to an IR repeater located close to other system components. IR signals received at the GTP-760's front panel IR receptor are *NOT* available at the infrared repeater outputs.

Remote Sensor Extension Inputs: These inputs receive signals from ADCOM's XR500II and SPM500II remote control sensors.

IR (Infrared) Input: This input accepts modulated IR commands from industry standard IR controllers via a mono mini-plug connector.

26   Preamplifier Outputs
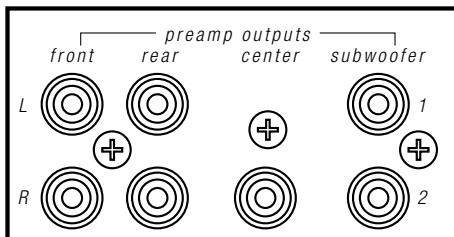
These are the GTP-760's main outputs.   Connect each to the proper amplifier or amplifier channel as follows:

1)   Connect the white-center RCA output marked "front L(eft)" to the amplifier channel designated for the left front loudspeaker.
2)   Connect the red-center RCA output marked "front R(ight)" to the amplifier input designated for the right front loudspeaker.
3)   Connect the white-center RCA output marked "rear L(eft)" to the amplifier input designated for the left rear loudspeaker.
4)   Connect the red-center RCA output marked "rear R(ight)" to the amplifier input designated for the right rear loudspeaker.
5)   Connect the black-center RCA output marked "center" to the amplifier input designated for the center channel loudspeaker.
6)   Connect the black-center RCA output marked "subwoofer" to the amplifier input (in most cases, the line-level input of a powered subwoofer) designated for the subwoofer.

Note: There are two subwoofer outputs (1 & 2.) They are in parallel (i.e., each produces an identical signal) and may be used interchangeably.   We've included these outputs to make it easier to add a second subwoofer, if desired. Alternatively, you can connect the LEFT and RIGHT channel RCA jacks to a single subwoofer.

27   5.1 Channel Inputs
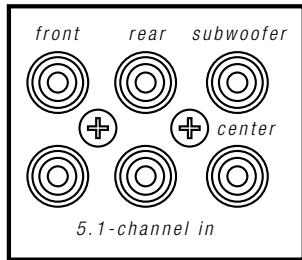
These are the multichannel analog inputs. Connect your DVD-Audio, SACD or other multichannel source as follows:

1) Connect the source's "front left" output to the white-centered RCA input marked "front".
2) Connect the source's "front right" output to the red-centered RCA input marked "front".
3) Connect the source's "surround left" output to the white-centered RCA input marked "rear".
4) Connect the source's "surround right" output to the red-centered RCA input marked "rear".
5) Connect the source's "center" output to the black-centered RCA input marked "center".
6) Connect the source's "subwoofer" output to the black-centered input marked "subwoofer".

Note: The GTP-760 does not apply bass-management to the 5.1 channel analog inputs, and all six input channels will pass full range signals. Some multichannel sources may not make use of bass-management techniques. Please read the multichannel source's manual carefully to ensure correct operation.

28   AC Fuse Holder   **CAUTION** <u>UNPLUG the unit before checking the fuse!</u>

This holder provides easy access to the AC line fuse if that fuse needs replacement. To gain access to the fuse, insert a Phillips head screwdriver and turn counterclockwise.   After replacing the fuse, reseat the holder by turning clockwise until the holder is firmly seated.

When replacing the fuse, **ALWAYS** use one of equal value (for domestic models use a F500mA, 250V fuse available at any electronic parts store.) **NEVER** <u>use a fuse of higher value</u>. If the fuse fails again, consult your ADCOM dealer or call the ADCOM Service Department directly.

AC Power Cord (115VAC models)

Make sure to seat this cord firmly in an unswitched wall socket to provide uninterrupted power to the GTP-760. When removing the cord from an AC socket, **NEVER** pull on the cord itself. Instead, grasp the plug firmly and remove it from the socket. You may need to "rock" the plug lightly for easier removal.

AC Power Cord Receptacle (export models)

This IEC-standard socket accepts a wide variety of AC power cords.

29   AC Convenience Outlets (115VAC models)

These outlets are for low-current source components only. They are not designed for power amplifiers.

The single unswitched outlet is live whenever the GTP-760 is plugged into a live AC source. The two switched outlets are live only when the GTP-760 is fully operational (i.e., whenever the front power button's LED is red.) They are not live when the GTP-760 is in standby mode (when the LED is yellow.)

Observe the wattage limitations printed above the two switched and one unswitched outlets. Note that the 500VA figure (equivalent to 500 watts) above the two switched outlets is a maximum figure for both outlets combined. Do not exceed this limit.

> We strongly recommend the use of our surge suppresser/ line conditioners, the ADCOM ACE family of products, for systems with substantial amplifiers and many source components. The ACE products relieve the GTP-760 from handling large current surges, while they protect your entire system by filtering and conditioning the AC current. In addition to the numerous heavy duty AC outlets of the ACE-315, the ACE-615 includes sequential power-up and power-down modes to minimize "thumps" whenever you turn your system on or off.

1.3   The Remote Control

The GTP-760 remote control is a learning remote control that is capable of saving commands for all remote controls in your home theater system. In this way, you may eliminate the confusion of using multiple remotes. Although such power comes with some added complexity, the complexity is minimal and with some repetition will become second nature.

The single most important aspect to master about the GTP-760 remote control is the function of the eight source select buttons at the top of the remote. These are buttons 30 in the figure on the next page. Each of these buttons cause two things to happen when used. First, they select the corresponding input on the GTP-760. Second, THESE KEYS REMAP ALL OF THE OTHER BUTTONS ON THE REMOTE CONTROL. You can think of each of these buttons as having a page of commands associated with it.

Most of the GTP-760 remote commands are saved under the **main** remote page. Whenever you desire to control the GTP-760 via remote, you must first ensure the **main** page is active. As an example, press **main** on the remote control. Now, press the **dim** button. If your GTP-760 is on, the brightness of the front panel display changes. Notice also that the **main** button on your remote illuminates. This serves as a reminder that the main remote page is currently active.

Now press the **CD** button and then the **select/play** button. Notice now that the CD source button lights. The **CD** remote page is now active. If you have an ADCOM CD player, this command will cause an idle CD to play.   Now, press the **dim** button again. You should note that CD button does not light. The dim command is not preprogrammed in the **CD** remote page. If your GTP-760 is on you will also notice the display does not respond to this command. Press the **main** button again to reenter the main remote page. The **dim** button will now again change the GTP-760 display.

The button description that follows distinguishes the function of each button dependent on the page the remote is in. The remote is shipped from the factory with ADCOM commands saved under the **main**, **tuner** and **CD** pages.

The ADCOM universal remote controller is preset to operate most GTP-760 functions (MAIN device mode), GTP-760 AM/FM tuner functions (TUNER device mode) and GCD-700/750 CD functions (CD device mode).

30 Source selectors
    main
    DVD
    dig.1 (digital RF — digital LD)
    dig.2 (digital auxiliary)
    tuner
    CD
    VCR
    v. aux (video auxiliary)
31 Power
32 Input selectors
33 Volume Up/Down
34 Tuning Up/Down
35 Guide
36 Menu
37 < (left arrow)
38 Up arrow/Pause
39 > (right arrow)
40 Down arrow/Stop
41 Select/Play
42 Direct access keypad
("1" through "10" and "+10")
43 Shift
44 FM/AM
45 Stereo
46 Srnd (surround)
47 Enter
48 d. (dynamic) range
49 dialog
50 Level trim
    Rear Up/Down
        Center Up/Down
        Sub Up/Down
51 Bal. chk (balance check)
52 Dim
53 M1, M2, M3, M4 (Macro keys)
54 Room 2
55 Backlight
56 Mute
57 Status LED light
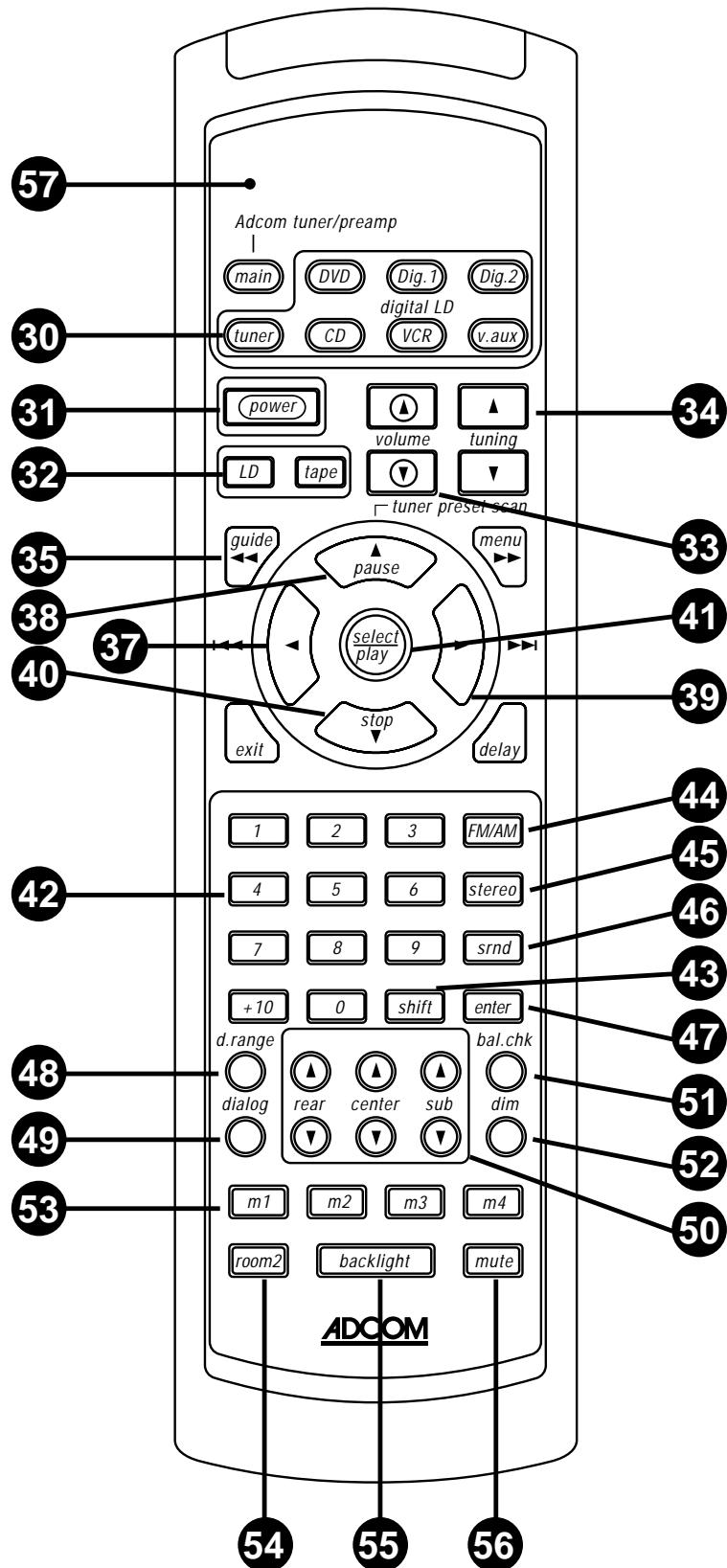
30   **Source Selectors** (main, DVD, VCR, tuner, v. aux, CD, dig.1, dig.2.)

These buttons serve two functions.
- First, they switch inputs on the GTP-760 so you can hear the source you've just selected.
- Second (and even more important), *they can change the functions of all the other buttons on the remote controller*. In other words, if you first push the **DVD** device selector, the remote's **select/play** button generates a command code for your DVD player. If you then press the **dig.2** device selector, the same **select/play** button would send a different command code that might, for example, start your mini-disc player. (Of course, this all depends on how you programmed the remote in the first place. Don't worry-we'll cover that shortly.)

31   **Power**
- In **main** mode (after you've pressed the main device selector), this is preprogrammed to turn the GTP-760 on and off.
- In **tuner** mode, it is also preprogrammed to turn the GTP-760 on and off.
- The button is programmable for use with other sources.

32   **Input Selectors** (tape, LD)
- In **main** mode, these are similar to the source selectors described above but they switch only GTP-760 inputs. They DO NOT automatically change the functions of other remote buttons.
- These buttons are programmable for use with other sources.

33   **Volume Up/Down**
- These are the only buttons preprogrammed at the factory with the same command.
  In all modes, these buttons change the master volume setting of the GTP-760.

34   **Tuning Up/Down**
- In **tuner** mode, these buttons are preprogrammed to scan up or down the GTP-760's AM or FM band.
- They are programmable for use with other sources.

35   **Guide**
- This is intended for easy call-up of cable or satellite program guides.
- Button is programmable for use with any source.
- In **CD** mode, it is preprogrammed for audible reverse scan with an ADCOM CD player

36   **Menu**
- In **main** mode, this is preprogrammed to call up the GTP-760's SETUP menu system. (A subsequent push will exit the menu, regardless of which menu screen you are in.)
- It is programmable for use with any source.
- In **CD** mode, it is preprogrammed for audible forward scan with an ADCOM CD player

37   **< (left arrow)**
- In **main** mode, this is preprogrammed to step through the various choices you might wish to select while a menu item is highlighted.
- In **CD** mode, it is preprogrammed for audible reverse scan with an ADCOM CD player
- The button is programmable for use with any other source.

38   **Up arrow/Pause**
- In **main** mode, this is preprogrammed to scroll up to the next choice on a menu screen.
- In **CD** mode, it is preprogrammed to pause an ADCOM CD player.
- In **tuner** mode, it is preprogrammed to start scanning preset frequencies higher than the current station.
- The button is programmable for use with any other source.

39   **> (right arrow)**
- In **main** mode, this is preprogrammed to step through the various choices you might wish to select while a menu item is highlighted.
- In **CD** mode, it is preprogrammed for audible forward scan with an ADCOM CD player
- The button is programmable for use with any other source.

40   Down arrow/Stop
- In **main** mode, this is preprogrammed to scroll down to the next choice on a menu screen.
- In **CD** mode, it is preprogrammed to stop an ADCOM CD player.
- In **tuner** mode, it is preprogrammed to start scanning preset frequencies lower than the current station.
- The button is programmable for use with any other source.

41   Select/Play
- In **main** mode, this is preprogrammed to enter a selection chosen via the menu system.
- In **CD** mode, it is preprogrammed to start an ADCOM CD player.
- The button is programmable for use with any other source.

42   Direct Access Keypad (buttons "1" through "10," and "+10")
- In **Tuner** mode, buttons "1" through "7" are preprogrammed to access preset stations.
- In **CD** mode, buttons are preprogrammed as track access commands for the ADCOM CD player.
- The buttons are programmable for use with any other source.

43   Shift
- In **Tuner** mode, button is preprogrammed to access presets 8 through 14 ("Shift" + "2" = preset number 9, etc.)
- In **CD** mode, button is preprogrammed as "call" command for ADCOM CD player.
- The button is programmable for use with any other source.

44   FM/AM
- In **Tuner** mode, button is preprogrammed to switch between FM and AM bands.
- In **CD** mode, button is preprogrammed as "repeat" command for ADCOM CD player.
- The button is programmable for use with any other source.

45   Stereo
- In **Tuner** mode, button will change playback from Stereo to Mono.
- In **CD** mode, button is preprogrammed as "program/memory" command for ADCOM CD player.
- The button is programmable for use with any other source.
- In **main** it will switch to 2 channel.

46   **Srnd** (surround)
- In **main** mode, button is preprogrammed to step through GTP-760's various operation modes.
- In **CD** mode, button is preprogrammed to initiate random play with ADCOM CD player.
- The button is programmable for use with any other source.

47   Enter
- In **tuner** mode, button is preprogrammed to select "manual" or "seek" tuning modes.
- In **CD** mode, button is preprogrammed as "time" command for ADCOM CD player.
- The button is programmable for use with any other source.

48   d. (dynamic) range
- In **main** mode, button is preprogrammed to adjust dynamic range of Dolby Digital encoded sources.
- In **CD** mode, button is preprogrammed to access disc 1 with ADCOM CD player.
- The button is programmable for use with any other source.

49   dialog
- In **main** mode, button is preprogrammed to call up or cancel "dialog enhance" equalization.
- In **CD** mode, button is preprogrammed to begin and end "A-B" repeat with ADCOM CD player.
- The button is programmable for use with any other source.

50   **Level trim** (Rear Up/Down, Center Up/Down, Sub Up/Down)
        Rear Up
- In **main** mode, button is preprogrammed to increase both rear speaker levels simultaneously.
- In **CD** mode, button is preprogrammed to access disc 2 with ADCOM disc player.
- The button is programmable for use with any other source.

        Rear Down
- In **main** mode, button is preprogrammed to decrease both rear speaker levels simultaneously.
- In **CD** mode, button is preprogrammed to clear "repeat" command with ADCOM disc player.
- The button is programmable for use with any other source.

        Center Up
- In **main** mode, button is preprogrammed to increase center channel speaker level.
- In **CD** mode, button is preprogrammed to access disc 3 with ADCOM disc player.
- The button is programmable for use with any other source.

        Center Down
- In **main** mode, button is preprogrammed to decrease center channel speaker level.
- The button is programmable for use with any other source.

        Sub Up
- In **main** mode, button is preprogrammed to increase subwoofer level.
- In **CD** mode, button is preprogrammed to access disc 4 with ADCOM disc player.
- The button is programmable for use with any other source.

        Sub Down
- In **main** mode, button is preprogrammed to decrease subwoofer level.
- The button is programmable for use with any other source.

51   **Bal. chk** (balance check)
- In **main** mode, button is preprogrammed to initiate balance check procedure with test tone and BALANCE CHECK menu screens.
- In **CD** mode, button is preprogrammed to access disc 5/Memory Clear with ADCOM disc player.
- The button is programmable for use with any other source.

52   **Dim**
- In **main** and **tuner** modes, button is preprogrammed to dim GTP-760's information display.
- The button is programmable for use with any other source.

53   **M1, M2, M3, M4** (Macro keys)
        M1
- In main mode, button is preprogrammed to select Tape 2 input (not applicable to GTP-760.)
- The button is programmable for use with any other source.

        M2
- In main mode, button is preprogrammed to select Video 4 input (not applicable to GTP-760.)
- The button is programmable for use with any other source.

        M3 and **M4**
- These buttons are programmable for use with any source.

54   **Room 2**
- In **main** mode, button is preprogrammed to turn Room 2 on, show Room 2 status and turn Room 2 off.
- The button is programmable for use with any other source.

55   **Backlight**
- No programming capabilities. Button backlights all keys for eight (8) seconds when pressed.

56   **Mute**
- In **main**, **tuner**, and **CD** modes, button is preprogrammed to mute outputs of device.
- The button is programmable for use with any other source.

57   **Status LED**
- Lights in different colors and patterns during learning operations as described in the remote programming section

Remote Function Table

This table supplements the information you've just read. Use it to quickly review button functions. The controller's capabilities are extensive and may be somewhat intimidating at first. However, you will soon find that its logical button arrangement and programming capabilities will greatly increase your enjoyment as you discover the ease with which you can operate your entire system from just one remote!

Look down the left-hand column until you see the button you want to learn about. Then look under MAIN to see if it is preprogrammed for a GTP-760 function, under CD to see what CD commands are preprogrammed, and under TUNER to see all preprogrammed tuning functions.

BUTTON	FUNCTION			
	Main	**CD**	**Tuner**	**All Others**
MAIN	Selects MAIN			
DVD	Selects DVD	None	None	None
VCR	Selects VCR	None	None	None
TUNER	Selects TUNER in	None	None	None
V. AUX	Selects VIDEO AUX	None	None	None
CD	Selects CD	None	None	None
Dig.1	Selects DIGITAL 1 (RF)	None	None	None
Dig.2	Selects DIGITAL 2	None	None	None
POWER	Power On/Off & Macro	*Not Programmable*	Power On/Off	*Not Programmable*
TUNING +	*Not programmable*	Disc Skip +	Tuning +	*Programmable*
TUNING -	*Not programmable*	Disc Skip -	Tuning -	*Programmable*
VOLUME +	Master volume up	Master volume up	Master volume up	Master volume up
VOLUME -	Master volume down	Master volume down	Master volume down	Master volume down
TAPE	Selects TAPE	Programmable	*Programmable*	*Programmable*
LD	Selects LD	Programmable	*Programmable*	*Programmable*
GUIDE	*Not programmable*	Track reverse	*Programmable*	*Programmable*
MENU	On-screen display	Track forward	*Programmable*	*Programmable*
EXIT	*Not programmable*	Polarity	*Programmable*	*Programmable*
DELAY	Sets rear chan. delay	Open/close drawer	*Programmable*	*Programmable*
UP/PAUSE	OSD scroll up	Pause	Preset Scan +	*Programmable*
DOWN/STOP	OSD scroll down	Stop	Preset Scan -	*Programmable*
<	OSD left select	Search reverse	*Programmable*	*Programmable*
>	OSD right select	Search forward	*Programmable*	*Programmable*
SELECT/PLAY	OSD "Enter" command	Play	*Programmable*	*Programmable*
1	*Not programmable*	Track 1	Preset 1	*Programmable*
2	*Not programmable*	Track 2	Preset 2	*Programmable*
3	*Not programmable*	Track 3	Preset 3	*Programmable*
4	*Not programmable*	Track 4	Preset 4	*Programmable*
5	*Not programmable*	Track 5	Preset 5	*Programmable*
6	*Not programmable*	Track 6	Preset 6	*Programmable*
7	*Not programmable*	Track 7	Preset 7	*Programmable*
8	*Not programmable*	Track 8	*Programmable*	*Programmable*
9	*Not programmable*	Track 9	*Programmable*	*Programmable*

BUTTON	FUNCTION			
	Main	**CD**	**Tuner**	**All Others**
0	*Not programmable*	Track 10	*Programmable*	*Programmable*
+ 10	*Not programmable*	+ 10	*Programmable*	*Programmable*
SHIFT	*Not programmable*	Call	Presets 8 - 14	*Programmable*
FM/AM	*Not programmable*	Repeat	FM or AM select	*Programmable*
STEREO	Stereo mode select	Program/Mem.	Stereo/Mono	*Programmable*
SRND	Surround mode select	Random play	*Programmable*	*Programmable*
ENTER	*Not programmable*	Time display	Seek/Manual	*Programmable*
D. RANGE	Dynamic range adjust	Disc 1	*Programmable*	*Programmable*
REAR +	Rear level up	Disc 2	*Programmable*	*Programmable*
CENTER +	Center level up	Disc 3	*Programmable*	*Programmable*
SUB +	Subwoofer level up	Disc 4	*Programmable*	*Programmable*
BAL. CHK	Balance check	Disc 5/Memory clear	*Programmable*	*Programmable*
DIALOG	Dialog enhance on/off	A-B repeat	*Programmable*	*Programmable*
REAR -	Rear level down	Clear repeat	*Programmable*	*Programmable*
CENTER -	Center level down	*Programmable*	*Programmable*	*Programmable*
SUB -	Subwoofer level down	*Programmable*	*Programmable*	*Programmable*
DIM	Dim display	*Programmable*	Dim Display	*Programmable*
M1	For Macro use	For Macro use	For Macro use	For Macro use
M2	For Macro use	For Macro use	For Macro use	For Macro use
M3	For Macro use	For Macro use	For Macro use	For Macro use
M4	For Macro use	For Macro use	For Macro use	For Macro use
ROOM 2	Room 2 source select	*Programmable*	*Programmable*	*Programmable*
MUTE	Mute volume	Mute volume	Mute volume	*Programmable*

PROGRAMMING YOUR ADCOM GTP-760 REMOTE CONTROLLER

Introduction

The ADCOM universal remote controller operates eight different audio/video components. As you've already seen, it's preprogrammed to control ADCOM's GTP-760 Preamp/Tuner and the GCD-700 CD player. In addition, it has five "component memory banks" available so you can program the remote to learn commands for your DVD player, satellite box, laserdisc player, VCR, etc. This lets you use one remote controller for your entire system.

Using Preprogrammed Commands

Using the remote controller's preprogrammed commands is simple. For most GTP-760 functions (volume up/down, changing surround modes, etc.), follow these easy steps.

1. Press the **main** source selector button. This tells the remote that you want to use GTP-760 preprogrammed commands. The **main** button will flash red to tell you it understands.
2. Press the appropriate function button (**volume up**, **volume down**, etc..) If you've selected a button that actually triggers a GTP-760 command, the **main** button will again flash red to confirm your choice. If the **main** button does not flash, you've selected a function button that isn't preprogrammed. (Review the table above to see which buttons are preprogrammed.)

For tuner functions (changing stations, etc.):

1.   Press the **tuner** source selector button. It will flash red.
2.   Press the **tuning up** (or **tuning down**) function button to change stations. The tuner source selector will flash red to confirm that the function button you've selected actually triggers a command. (Again, use the table to see which buttons are preprogrammed.)

Press the **CD** source selector first to access preprogrammed commands for ADCOM CD players.

NOTE: *You can program new commands over the preprogrammed commands in **tuner** and **CD** if you wish.* However, you cannot program any buttons, even those unprogrammed with GTP-760 command codes, while you're in **main** mode. This safety feature assures you that you will always be able to fully enjoy the GTP-760's capabilities.

Programming Your Own Commands

You can supplement preprogrammed commands with commands to operate other components. Before you begin to follow these steps, note the **status LED** located at the top left corner just above the remote's button panel: It will flash red, orange, or green to signal particular functions as you enter new commands into your ADCOM remote.

Begin by deciding which source component's commands you will be transferring to the ADCOM remote. Then press the appropriate source selector button. For example, if you're teaching your ADCOM remote commands for your DVD player, press the **DVD** source selector first. You can "teach" your remote new commands for any function button (*except* **backlight**) after you've selected DVD, VCR, TUNER, V.AUX, CD, Dig.1 or Dig.2.

1.   Place the source component's remote "head to head" with the ADCOM remote. They should be in line with each other about 2 to 3 inches apart.

2.   Press the ADCOM remote's appropriate **source selector** and **select/play** buttons simultaneously. Hold both buttons until the **status LED** turns orange and the **source selector** button glows red. Both indicators should remain lit.

3.   Decide which function button on the ADCOM remote you want to learn a new command. Press it. The orange **status LED** will begin to flash and the **source selector LED** will go out.

4.   Find the corresponding button on the source component's remote. Press and hold it until the **status LED** on the ADCOM remote flashes green once and remains green until the button on the source remote is released. Once the button on the source remote is released, the status LED will start flashing orange again.

5.   Verify that the ADCOM remote has learned the new command by pressing and holding the same button on the source remote. The ADCOM remote's **status LED** should flash green twice and then go back to steady orange. This indicates successful programming. Release the button on the source remote.

        Repeat Steps 3 through 5 for any other commands you want to teach your ADCOM remote for that source component.

Save the commands you've just programmed into the ADCOM remote by pressing and holding the appropriate **source selector** and **select/play** buttons simultaneously. Hold until the **status LED** and **source selector LED** flash twice and then go out. Repeat these steps for any other source commands you wish to program.

Deleting (clearing) **Individual Programmed Commands**

1.   Press the ADCOM remote's **source selector** and **select/play** buttons simultaneously and hold until the orange **status LED** and the **source selector** button glow steadily.

2.   Press the function button you wish to clear. The status LED will flash continuously.

3.   Press the **backlight** button. The status LED will then flash *green* twice and then revert to steady orange. The **source selector** button will continue to glow.

        Repeat steps 2 and 3 for any other command you wish to delete for the same source component.

4.   Exit "delete mode" by pressing and holding the **source selector** and **select/play** buttons simultaneously. The orange **status LED** and the **source selector** button will turn off.

Deleting all the Programmed Commands for one Source Component

1.   Press the ADCOM remote's **source selector** and **select/play** buttons simultaneously and hold until the orange Status LED and the **source selector** button turn on and remain lit.

2.   Press and hold down the **backlight** button. The red Status LED and the Device button will flash five times, the Status LED will then flash green twice and turn to a constant orange, indicating that all the learned information for the device mode selected has been erased.

3.   To exit this feature, press and hold the ADCOM remote's **source selector** and **select/play** buttons simultaneously. The orange status LED and the **source selector** button will flash twice and then turn off.

Deleting all the Programmed Commands for every Source Component

> **NOTE:** *This procedure erases every programmed command accessed under the DVD, VCR, TUNER, V.AUX, CD, Dig.1 and Dig.2 input selectors. Make sure you **really** want to do this before following the step below.*

1.   Press and hold the **CD input selector** and the **backlight** button simultaneously. The red status LED will flash twelve times. The status LED will then flash green once, followed by a single orange pulse. All LEDs will then turn off, indicating that every learned command in the ADCOM remote has been erased.

Macro Commands

"Macro" commands are simply a series of individual commands initiated by pushing just one button. The ADCOM remote can learn up to 10 individual commands and store them as a single macro.

There are five "macro initiator" buttons on the ADCOM remote: **power**, **m1**, **m2**, **m3**, and **m4**. Each "macro initiator" can store and transmit either of two complete macros, depending on which **source selector** is active when you push it.

For macro programming purposes, think of the source selectors as being in two groups: **main**, **DVD**, **dig. 1**, and **dig. 2** in Group 1; **tuner**, **CD**, **VCR**, and **v. aux** in Group 2. When you program a "Group 1" macro, you will start by pushing the **main** source selector. After you've completed and memorized that macro command series, you can initiate it whenever you're in **main**, **DVD**, **dig. 1**, or **dig. 2** modes. Similarly, you will program "Group 2" macros by pushing tuner first and can use them whenever the **tuner**, **CD**, **VCR**, or **v. aux** inputs are active.

For example, if the **m1** button is programmed in Group 1 mode to turn on the TV, turn on the audio receiver, turn on the VCR, and then turn on the satellite receiver, it will perform the same series of commands whenever the

m1 button is pressed *IF* **main**, **DVD**, **dig. 1**, or **dig. 2** sources are active at the time you select that macro. If you've programmed a Group 2 macro, it will send out an identical command sequence whenever **tuner**, **CD**, **VCR**, or **v. aux** inputs are active.

Programming Macro Initiator Buttons:

1.   Press either the Group 1 or Group 2 **source selector** button (**main** or **tuner** respectively) and the **mute** button simultaneously. Hold both buttons until the red **status LED** and the **input selector** button remain lighted.

2.   Press the macro initiator button (**power**, **m1**, **m2**, **m3** or **m4**) you wish to program.

3.   Select and press up to 10 buttons you wish to store in the macro. Both **source selector** and **function** buttons count as individual commands. Remember that each macro can hold only up to 10 individual commands.

4.   Press the **tuning up** button to save the macro. The red **status LED** and **input selector** button will blink twice to confirm programming and then turn off.

> Please note:
> * To add a power (on/off) command to the macro, use the **mute** button in place of the **power** button.
> * The tuning up/down buttons **cannot** be used in a macro sequence.

Deleting Macro Initiator Buttons:

1.   Press either the Group 1 or Group 2 **source selector** button (**main** or **tuner** respectively) and the **mute** button simultaneously. Hold both buttons until the red **status LED** and the **input selector** button remain lighted.

2.   Press the macro initiator button (**power**, **m1**, **m2**, **m3** or **m4**) you wish to delete.

3.   Press the **tuning up** button. The red **status LED** and **input selector** button will blink twice to confirm deletion of the macro.

2.0   INSTALLING/CONNECTING THE GTP-760

2.1   Placement

Your system components need a stable, vibration-free supporting surface. Your ADCOM dealer will be pleased to show you many different types of audio/video equipment racks and cabinets. Keep the GTP-760 (and other audio/video components) away from moisture and out of direct sunlight.

Bear in mind that the GTP-760's rear panel is the central connecting point for almost every component in your audio/video system. Leave sufficient room behind the rear panel to accommodate cables, antenna leads, power cords, etc. We recommend a minimum of 5" of free space behind the GTP-760 for maximum flexibility.

2.2   Connections

Section 1.2 above has already provided the information you need to successfully connect all the audio/video components you will need for a sophisticated home theater system. Your ADCOM dealer will be pleased to assist you should you require detailed answers to more advanced system configuration questions.

3.0   INITIAL SETUP

What this section is all about . . .

After connecting your home theater, you may elect to configure the GTP-760 to the specific speaker arrangement and dimensions of your system. The procedures described in this section demonstrate how to use the GTP-760's on screen display to enter this information. Once complete, the GTP-760 stores this information so that these tasks need only be repeated if speakers are changed or substantially repositioned. It should be noted that ADCOM's factory presets have already been tailored for the most common home theater system - 5 mid/high frequency speakers and a subwoofer. For such a system, the setup of the GTP-760 may already be near optimum.

3.1   The On Screen Display

You will use the GTP-760 on screen display during this setup procedure. If you have not yet connected your television to the GTP-760, consult the box titled **Composite or S-Video** in Section 1.2. With this step successfully complete, your television and GTP-760 are on and the television screen shows a blue (composite video) or light gray (S-Video) screen.

On the GTP-760 remote control, press **main** and then **menu**. The television should now show the setup menu.

```
                    SETUP

            1  INPUT SETTINGS
            2  CHANNEL DELAYS
            3  SPEAKER SIZE
            4  CHANNEL BALANCE
            5  EXIT
```
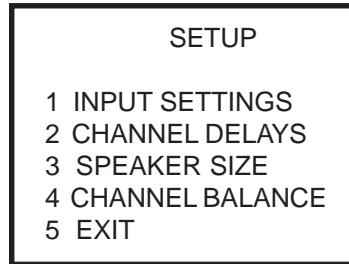
There are four sub-menus on this screen. These are:

INPUT SETTINGS - shows information about the current state of operation of the GTP-760 and repeats much of the same information shown on the GTP-760's front panel. This menu should be the only part of the on screen display you might elect to use regularly after set up is complete. It allows you to easily see the operating mode from the listening position. We will revisit the INPUT SETTINGS menu in section 3.5 after set up is complete.

CHANNEL DELAYS, SPEAKER SIZE and CHANNEL BALANCE are the system setup menus. We will now use these for set up.

3.2   CHANNEL DELAYS

With the SETUP screen visible, use the (or (button on the remote control to highlight CHANNEL DELAYS and press **select/play**. You will see the following screen:

```
            CHANNEL DELAYS

        CENTER          0 mS
        REAR            15 mS

        UNDO CHANGES
        DONE
```
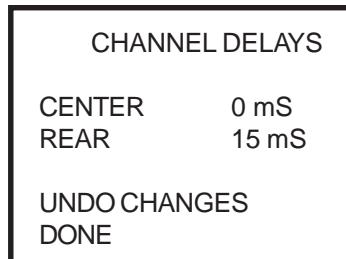
In a typical home theater system, the distance from each speaker to the listening position will be different. The most common example: in many home theaters the center and rear speakers sit closer to the listener than the main speakers. In such a situation the sound emitted from the closer speakers will be heard first. For many movie soundtracks the effect of this may be very mild, perhaps unnotice able. In others, it can be subtly distracting. To compensate for this, the GTP-760 can slightly delay the audio sent to the center and rear (closer) speakers. In this way, when playing Dolby Digital or Dolby Pro Logic soundtracks, the sound from all speakers arrives uniformly at the listening position as intended by the film's producer[FD1].
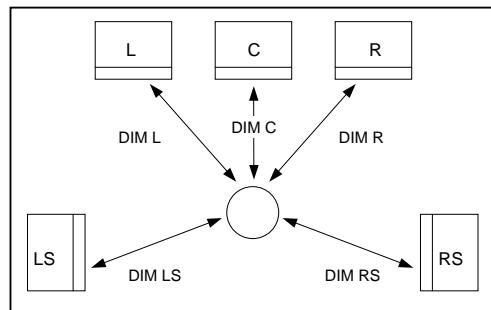
To set the center channel delay, use the (or (buttons to highlight the CENTER field. Measure the distance from the listening position to the center speaker (DIM C) and to one of the main speakers (DIM L or DIM R). Subtract the center channel distance from the main L or R channel distance. For example, if the main speakers are 15 feet from the listening position and the center speaker is 12 feet, the difference is 3 feet and the center channel delay is set to 3 milliseconds (15-12 = 3). Use the < and > arrow button on the remote control to change the CENTER delay settings. The GTP-760 can delay the center channel output up to 5 milliseconds and thus compensates for center channel speakers that are up to 5 feet closer to the listening position than the main left and right speakers.
In rare system setups, the center channel speaker is actually farther away than the main left and right speakers. In these cases, set the center channel delay to 0mS.

Similarly, for the rear channels, use the (or (buttons to highlight the REAR field. Measure the distance from the listening position to either the left or right surround speaker (DIM LS or DIM RS). Subtract the rear speaker distance from the main speaker distance. The resulting distance is equivalent to the delay in milliseconds for the rear delay setting. For example, if your rear speaker distance is 9 feet and the front distance is 15 feet, the correct rear channel delay setting is 6 milliseconds (15-9=6). Again, set the rear channel delay to 0 if the rear channels are further from the listening position than the fronts. When both delays have been entered, highlight DONE and press select/play to save your settings and return to the SETUP menu.

3.3   SPEAKER SIZE

In the SETUP screen, use the ∧or∨ arrows to highlight SPEAKER SIZE and press **select/play**. You will see:
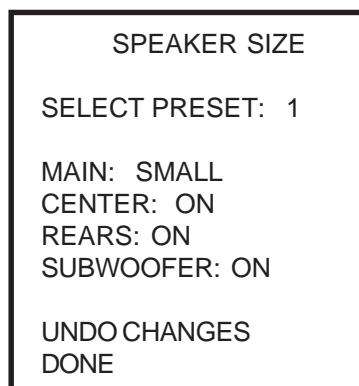
The speaker size menu allows you to describe the size and number of speakers in your system to the GTP-760. The descriptive words LARGE and SMALL that appear in the MAIN field mean the following:

LARGE: The speaker is full range and capable of reproducing the entire audible frequency spectrum 20Hz to 20kHz. The GTP-760 sends a full range signal to LARGE speakers without any crossover filtering.

SMALL: The speaker is not capable of reproducing the deepest bass portion of the audible frequency range 20Hz to 100Hz. The GTP-760 sends a high-pass filtered signal to SMALL speakers. The filter crossover point is 100Hz (12dB/octave). The low frequency information filtered out, the below 100Hz part of the signal, is redirected to other full range speakers or the subwoofer.

For the center, rear and subwoofer fields, the choices ON and OFF appear and mean the following:

ON: The speaker is active and receives the audio information intended. In addition, although not displayed, the speaker is either LARGE or SMALL depending on the configuration of the main speakers or subwoofer as described below in the presets.

OFF: The speaker is inactive. Audio signals intended for speakers set to the OFF position are redirected to the main speakers.

While there are a large number of setup possibilities, ADCOM has provided 3 factory presets that target the most typical installations.

Preset 1 - Main: Small, Center: On, Rears: On, Subwoofer: On
For the typical home theater system of 2 main speakers, 1 center speaker, 2 rear speakers and a subwoofer, factory preset 1 is recommended. In this case, the main, center and rear speakers are all SMALL/high-passed. The bass frequencies from each of these 5 channels are redirected to the subwoofer. The 0.1 LFE channel that carries the low frequency impact during explosions and other movie soundtrack special effects is also repro-duced by the subwoofer. The subwoofer output is limited from 20Hz to 100Hz by a 12dB per octave filter. For this preset also, when listening to conventional 2 channel stereo music, the subwoofer reproduces the low frequency information of the left and right channels.

Preset 2 - Main: Large, Center: On, Rears: On, Subwoofer: Off
When a home theater system does not have a subwoofer, it is assumed that the main speakers are full range and can reproduce the low frequency portion of a movie soundtrack. In this case, preset 2 is recommended. Here the main speakers are set to LARGE and the center and rears are SMALL/high-passed. The center and rear channel low frequency information is redirected to the front channels as is the 0.1 LFE special effects channel. In conventional 2 channel stereo playback, the main speakers carry the entire spectrum.

Preset 3 - Main: Large, Center: On, Rears: On, Subwoofer: On
A third factory preset allows for user customization of the system. In this mode, the main, center and rear channels are all LARGE (full range 20Hz to 20kHz). In addition, the GTP-760 subwoofer crossover is disabled. THE GTP-760 SUBWOOFER OUTPUT IS FULL RANGE. In this way, the crossover built in on most active subwoofers can be manually set to match the response of the rest of the speakers in the system. The subwoofer's crossover completely dictates the low frequency response of the system. This feature eliminates any unintended interaction that might occur between the internal crossover of the GTP-760 and the built in crossover of the subwoofer in the other preset modes.

Using the **<** and **>** remote buttons select the preset that best applies to your system or change the speaker fields individually as desired. Use the ∧or∨ arrow keys to highlight DONE and press **select/play** to save you choices and return to the SETUP menu.

3.4   CHANNEL BALANCE

From the SETUP screen, select CHANNEL BALANCE with the ∧or ∨ buttons and press **select/play**.
You will see:

```
┌─────────────────────────────────┐
│       CHANNEL BALANCE           │
│                                 │
│   LEFT        -       +         │
│   RIGHT       -       +         │
│   CENTER      -       +         │
│   REAR L      -       +         │
│   REAR R      -       +         │
│   SUB         -       +         │
│                                 │
│   UNDO CHANGES                  │
│   DONE                          │
└─────────────────────────────────┘
```
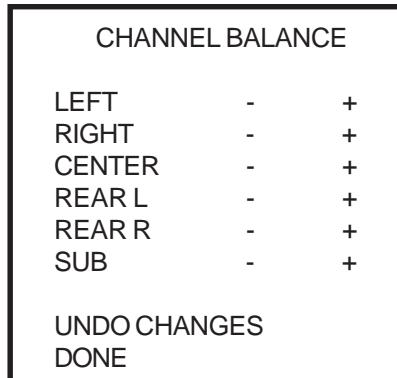
Each piece of home theater equipment operates differently. In the same system, amplifiers may have different gains, speakers may have different efficiencies and, as already discussed, speakers may be positioned in different manners relative to the listener. All of these variables can interact to cause the sound from some of the speakers to be louder than from others. The CHANNEL BALANCE menu allows the volume of each speaker to be individually trimmed so that none of the speakers dominates in playback and detracts from the surround illusion. In essence, the CHANNEL BALANCE screen represents today's balance control.

The levels in the CHANNEL BALANCE menu may be set in 2 different ways.
By Ear
The first method is intuitive and surprisingly precise. Just as you would with a balance control, play a 5.1 channel movie or music disc. With the CHANNEL BALANCE menu visible, sit in the prime listening position and use the **<** and **>** arrow to manipulate each channel level so that all speakers are heard, but no speaker dominates. If you find that one speaker must be compensated excessively, recheck the connections to that speaker. Also, because most subwoofers provide external level controls, it is advised that the subwoofer volume control be manipulated first to match the subwoofer to the system. The GTP-760 CHANNEL BALANCE menu can then be used to fine tune the subwoofer from the listening position. When satisfied with the settings, highlight DONE and press **select/play** to save your chosen setting and return to the SETUP menu.

Sound Meter
The second method requires the use of a sound level meter (also called a sound pressure meter). The Radio Shack meter, catalog #33-2050, is commonly employed for this task. Turn the meter on, select the C-weighting scale and adjust the range to 70 or 80dB. Place the meter, with microphone pointed upward, at the prime listening position as close as possible to ear level. Press the **bal. chk** button on the GTP-760 remote. The BALANCE CHECK menu will appear on the screen and the noise sequencer activates. (This menu essentially shows the same information as the CHANNEL BALANCE menu you just saw. Level changes made here are reflected in both menus.) Turn up the GTP-760 master volume control while the noise sequencer circulates around the 5 channels until the needle on the sound meter deflects and rests at a mid-scale position. As the noise sequencer plays through each channel and highlights on the menu, use the **<** and **>** remote buttons to adjust the level of that channel to the same needle position on the meter. With a few times through the process, each channel should play back and set the needle to approximately the same meter reading. Press the **bal. chk** button again to save the settings and defeat the noise sequencer.

There are 2 things that may be noticed during the channel balance procedure that can cause confusion. First, the master volume knob on the front panel of the GTP-760 sometimes moves when setting an individual channel trim. The master volume knob marks the level of the loudest channel in the system. If when adjusting an individual channel level the knob begins to move, it simply means that the channel being adjusted is now set the highest. THE VOLUME OF THE OTHER CHANNELS DOES NOT CHANGE WHEN THIS HAPPENS.

Second, the subwoofer trim appears in the CHANNEL BALANCE menu, but not during the operation of the noise sequencer. Because the subwoofer operates at a limited frequency range and because the sound level measurement is weighted, the noise sequencer method of channel trimming is often unreliable in setting the subwoofer level. Using such an approach can sometimes lead to "pegging" the subwoofer trim to its highest level on the GTP-760 to compensate. It is better to use the sequencer to set the level of the main, center and rear channels, then use the external volume control on the subwoofer itself to balance it to the system. Fine-tuning of the subwoofer level may still be done in the CHANNEL BALANCE menu while listening to a 5.1 channel soundtrack.

3.5 INPUT SETTINGS

Congratulations, your GTP-760 is now fine-tuned and ready for enjoyment. The steps that have been completed in sections 3.2 through 3.4 need only be repeated if you change a component in your system or significantly alter the position of your speakers. In fact, you should consciously avoid using the CHANNEL DELAYS, SPEAKER SIZE or CHANNEL BALANCE menus again during normal operation as you will upset the system dependent parameters carefully entered during this procedure.

While the three setup menus should be avoided, you may elect to use the INPUT SETTINGS menu of the OSD during normal operation. Highlight INPUT SETTINGS in the SETUP menu and press **select/play** on the remote. You will see a screen similar to the following:

```
          INPUT SETTINGS

     INPUT: TUNER
     VIDEO: COMPOSITE
     MODE: 2 CHANNEL
     DIALOG ENHANCE: OFF
     DYNAMIC RANGE: N/A
     LEVELS MENU

     UNDO CHANGES
     DONE
```
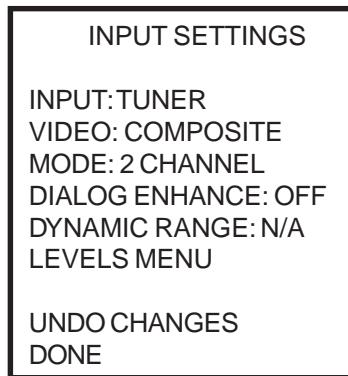
This screen essentially broadcasts the same information displayed on the front panel of the GTP-760 but in a manner that can easily be viewed from the listening position. The available choices in each of the fields can be selected with the **<** and **>** buttons on the remote control.

INPUT - identifies the selected input

MODE - indicates the operating mode of the selected input (stereo, Pro Logic, DTS, Dolby Digital,etc.).

DIALOG ENHANCE - indicates whether the dialog enhance function is active. The "dialog enhance" feature boosts midrange frequencies in the front and center speakers to emphasize dialog intelligibility.

DYNAMIC RANGE - indicates the level of compression currently selected. (note: This applies only to digital inputs receiving a Dolby Digital signal). Choices are **Full**, **75%**, **50%** and **25%**. The field shows N/A for modes when this feature is not available.

The other two fields, **VIDEO** and **LEVELS MENU**, require further explanation.

The VIDEO field displays the video mode of the selected source. As described in the **Composite** or **S-Video** box in section 1.2, the GTP-760 can save the video mode for each source. If you have elected to use either all composite or all S-Video connections, then there is no reason to change the settings in this field. (In fact it should be avoided as doing so may prove confusing. If you inadvertently highlight the VIDEO field and use the **<** or **>** remote arrow buttons, your screen display and background may disappear from the television. You have changed the video mode of the GTP-760 for the selected source. If this happens, without pressing any other remote buttons, simply press either of the **<** or **>** arrows again and the video screen will reappear).

If you have chosen to use a mix of both **Composite** and **S-Video** sources, the VIDEO field of the INPUT SETTINGS menu is the place to set the mode. In the example from section 1.2, a composite VCR and an S-Video DVD are to be used. Select the VCR input of the GTP-760. The VIDEO field should show COMPOSITE. Now select the GTP-760 input where the DVD player is connected (DVD, digital 1 or digital 2). Highlight the VIDEO field and press either the **<** or **>** remote button. The on screen display disappears from your television. Without altering anything else on the GTP-760, change your television to its S-Video input (consult your television owner's manual for directions). The GTP-760 on screen display should reappear, this time with a light gray background. The VIDEO field will now say S-VIDEO. Repeat this procedure for each individual input you wish to change.

The LEVELS MENU selection is not a field but another menu. Highlight LEVELS MENU with the ∧ or ∨ remote buttons and press **select/play**. You will see the following screen:

```
                    LEVELS MENU

        FRONTS          -          +
        CENTER          -          +
        REARS           -          +
        SUB             -          +

        UNDO CHANGES
        DONE
```
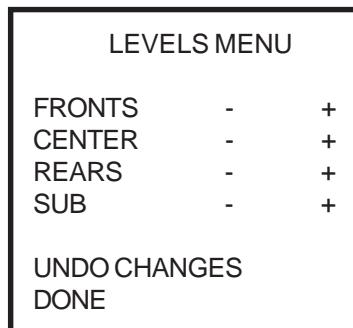
The menu shows levels for FRONT, CENTER, REARS and SUB. The bars for each item should be equally centered at this time. Inactive channels show not available, N/A.

The immediate question you might ask, "Why are we looking at channel trims again when we have already set this?" There is an important distinction to be made between the LEVELS MENU screen and the menus you used to setup the system. The previous screens were used to balance the system due to system and room parameters. These things do not often change and therefore should not be changed in the GTP-760. However, while playing different movies or music, you may find that fine adjustments are necessary. Perhaps the subwoofer on one soundtrack is too quiet while another has loud rear channels. The LEVELS MENU screen allows level adjustments to be made WITHOUT effecting the system settings that have been carefully entered. Using the **<** and **>** buttons on the remote OR using the sub, rear and center up and down buttons on the remote changes the displayed settings on the LEVELS MENU screen (the sub, center and rear remote buttons do not effect the CHANNEL BALANCE setup screen). In this way, you are free to adjust level trims "on the fly" for different soundtracks. If you want to return to your carefully balanced system setup, simply set the bars for each field on the LEVELS SETTING screen back to the center/equal positions. If you have not changed the CHANNEL BALANCE menu levels or used the noise sequencer since initial setup, then you have returned to your default setting and can leave the sound meter in the closet.

4.0   BASIC OPERATION

4.1 Operating Mode Selection

The GTP-760 features several operating modes - DTS, Dolby Digital, Dolby Pro Logic, 5 channel stereo, several "enhancement" modes, etc. - designed to present music and movie soundtracks as realistically as possible.   In addition, some of these modes add the ability to "custom tailor" the GTP-760's spatial presentation to better suit individual tastes.

You'll need to understand these modes - DTS, Dolby Digital, Cinema, Dolby Pro Logic, Symphony Hall, Stadium, Jazz Club, 5-channel stereo, 2-channel stereo - to get the most out of your GTP-760.

At first, selecting the proper mode can be confusing, particularly when increasingly popular digital formats like DVD present an often-bewildering array of soundtrack options. For this reason, the GTP-760 features automatic mode selection (or "Auto Select") to analyze digital input signals and process them properly. (Auto Select works *only* with digital input signals).

When you are using analog inputs, you will probably need to manually select the proper operating mode. However, the GTP-760 remembers the mode you've most recently used for a particular input and will automatically restore that mode when you use that input next, software permitting, of course.

You can change modes with the menu system or with the **surround mode** button when you wish.

The GTP-760's operating modes are:

• **DTS:** This mode applies only when a DTS signal is present at the selected digital input (**DVD**, **digital 1**, or **digital 2**). DTS is an advanced six-channel (5.1) sound format primarily used for movie soundtracks, but also some audio only recordings. DTS encoded programming can use anywhere from a single channel to six channels during some aspects of a performance to deliver the greatest sonic impact. Your GTP-760 will automatically engage the DTS mode if it detects a DTS encoded source signal.

• **Dolby Digital:** This mode applies only when a Dolby Digital signal is present at the selected digital input (**DVD**, **digital 1**, or **digital 2**). Contrary to popular belief, Dolby Digital does *not always* imply a discrete 5.1 channel soundtrack. While many DVDs are 5.1 channel encoded, a large number have only 2 encoded channels. The GTP-760 automatically detects either case. If the front panel Dolby Digital indicator lights alone, the soundtrack is 5.1 channel encoded. If the Dolby Digital indicator and the Dolby Pro Logic indicator light simultaneously, the soundtrack is a 2 channel encoded Pro Logic track. Dolby Digital is alternatively called AC-3, an earlier designation for this software scheme.

• **Cinema:** Not an actual mode itself, "cinema" is an equalization ("EQ") curve designed to reduce excessive high frequencies and the consequent harshness sometimes encountered in movie soundtracks originally mixed strictly for theatrical release. "Cinema" can be used in conjunction with Dolby Digital or Dolby Pro Logic.

• **Dolby Pro Logic:** This mode is available for all analog inputs and for digital inputs playing standard CD audio (PCM). This is the surround mode of choice for most videotapes, surround-encoded TV broadcasts, and some music CDs and movie soundtracks.

• **Symphony Hall:** This mode emulates the expansive space of a typical concert hall and is available for all two-channel sources, *analog* as well as *PCM digital.* The subwoofer channel is *not* active in this mode.

• **Stadium:** Again available only for analog and PCM digital sources, this mode re-creates the soundfield typical of a large outdoor sporting event with long reverberation times and somewhat rolled-off high frequency response. Again, no subwoofer output.

• **Jazz Club:** An analog and PCM digital source enhancement, this mode simulates the intimacy of a very small acoustic space. Again, no subwoofer output.

• **5 channel stereo:** This makes full use of a home theater speaker system when playing two-channel only (analog or PCM digital) sources. It is ideal for parties or any other time when you want to get the broadest possible sound distribution from a non-surround encoded source.

• **2 channel stereo:** The preferred mode for traditional two-channel stereo listening. This mode is available for both analog and digital sources. Most multi channel Dolby Digital and DTS signals can also be mixed-down into a 2-channel format.

4.2 The Tuner

Selecting stations

1) Select the **tuner** input via the front panel or remote control button. The information display will show the most recently received broadcast frequency.

2) If the band you want (AM or FM) is already displayed, proceed to step 3) below. If not, push the **FM/AM selector** to change to the appropriate band.

3) Choose your preferred tuning method (seek or manual) by pressing the front panel **seek/manual** button.

   While in "seek" mode, the **tuning buttons** will take you to the next *active* frequency. In "manual" mode, the tuning buttons will step to the next *available* frequency even if it is unused.

4) Use the **tuning buttons** to select the station you wish to listen to.

Programming "Preset" Stations.

The GTP-760 can memorize up to 14 AM and 14 FM signals for instant recall. Place your favorite stations in memory by:

1) Select either FM or AM as described above. Note the stations you want to preset. Starting at the lowest end of the frequency range (88.1 for FM, 520 for AM), tune to the first station you want to program into memory.

2) Press the **preset 1** button and hold it for approximately three (3) seconds. (Remember to push the remote's **tuner** source selector before using the keypad.) When you see "Preset 1" appear in the information display and the LED in the **preset 1** button light, that frequency has been placed in the preset memory.

3) Tune to the next desired frequency and follow the same instructions but use "Preset 2" to commit this new broadcast frequency to memory.

4) Continue for all presets up to and including the seventh.

5) Setting presets 8 through 14 require the use of the shift button.

   - Select the desired frequency for preset # 8. Press **shift** and then hold **preset button 1** for three seconds. When you see "Preset 8" appear in the information display and the LED's in the front panel **preset 1** and **shift** buttons light, that frequency is memorized.

   - Select the frequency for preset # 9. Follow the instructions above but substitute **preset button 2** in place of preset button 1. (Remember that the shift button adds a "7" to the nominal preset button value. Thus, **shift + 2** actually means "Preset 9" and so on.)

   - Continue as above until all 14 presets are used or until you run out of "favorite" stations, whichever comes first.

6) Select the other broadcast band (AM or FM) and begin programming again. Follow the instructions above. When you're finished, you'll be able to listen to any of these favorite frequencies by pushing just one or two buttons.

Listening to "Preset" Stations

1)   Select **tuner** and either **FM** or **AM**.

2)   Press the appropriate preset button (or **shift** + the **preset button** for choices higher than "preset 7").

4.3 Room 2 Operation

Introduction

The GTP-760's "Room 2" circuitry gives you the ability to simultaneously enjoy two different audio/video sources in two different areas of your home. For instance, you can watch a DVD movie in the main family room while someone else enjoys a satellite broadcast or CD in the bedroom.

Operating "Room 2" From the Front Panel

The **room 2** button on the front panel of the GTP-760 performs three separate functions:
Room 2 power ON; Room 2 status; and Room 2 power OFF.

1)   To turn Room 2 power **ON**, press the **room 2** button *once.* The LED in the center of the **room 2** button will light to tell you that "room 2" capability is on.

2)   Once Room 2 is active, press the **room 2** button again to display Room 2 status. The LED's in the center of the six front panel analog **source selectors** will light to show you that you can route any of those sources to the GTP-760's "Room 2" outputs. If one of the six source LED's blinks, that source is already selected for room 2 distribution. *(**Note:** You cannot direct a digital source — **DVD, digital 1**, or **digital 2** — to the Room 2 outputs.)*
Choose the source you wish to direct to the room 2 outputs by pushing one of the lighted **source selectors**. The LED's in the other source selectors will go out and the name of the source you've just chosen for room 2 distribution will briefly appear in the information display window. After five (5) seconds, the display will change to show the room 1 (main) source but the room 2 LED will still glow, indicating that a room 2 source is now active.

            You can verify the room 2 source selection any time "room 2" capability is active (i.e., any time the **room 2** LED is illuminated) by simply pressing the **room 2** button again. You'll see all six analog source selector LED's light. The active room 2 source LED will blink and the name of that source will show in the information display. You'll have ten (10) seconds to change the room 2 source by simply pressing any other illuminated source selector.

3)   To power Room 2 OFF, press and hold the **room 2** button until the red LED at the center of the button goes out (about 5 seconds time).

Setting "Room 2" Playback Volume

You can change "room 2" volume only by using the remote control. There is no way to adjust "room 2" playback level from the GTP-760's front panel alone.

1)   Press the remote control's **main** source selector once. This makes sure the remote is ready to generate GTP-760 command codes.

2)   Press the **room 2** button *twice* to access the room 2 status mode.

3)   Use the remote control's **volume up/down** buttons within ten (10) seconds of pressing **room 2**. The front panel display will show room 2 level changes as you make them and will then revert to normal display mode ten (10) seconds after the GTP-760 receives the last volume adjust command.

Operating Room 2 From "Room 2"

In addition to the front panel Room 2 controls, the GTP-760 provides an interface for controlling Room 2 remotely. Such a connection is technically sophisticated and usually intended only for custom installations. Please contact your ADCOM dealer or ADCOM directly for further information on these advanced features and capabilities.

5.0   TROUBLE SHOOTING

> Your GTP-760's circuitry is built around advanced microprocessors. The GTP-760 may exhibit occasional anomalies arising from AC line surges, etc. If you experience unexpected behavior, or if the GTP-760 "locks up" and does not respond to control input, reset it by turning the front power switch **off**. (Do not use the remote control's "power" button.) Wait 10 seconds and then turn the GTP-760 **on**. This will reset the internal control circuitry and solve most problems.

SYMPTOM	POSSIBLE REASON	POSSIBLE SOLUTION
Power LED does not light	AC Power Cord not plugged in AC Fuse failed	Plug in AC Power Cord Replace AC Fuse
Power LED glows but no sound	Power amp or source unit is not ON	Make sure whole system is ON
No Video Output	Video Processor (rear panel) is ON	Move video processor switch to OFF
No sound from one channel	Connections in rear of amp are loose	Verify all connections on rear of amp
	Input or Output connector disconnected or loose	Verify both connections on that channel
	Speaker disconnected	Verify connection at speaker
Hum from all speakers (any volume)	Ground loop present (difference in ground voltages between components)	If cable TV is present, see Note 1 If cable TV is not present, see Note 2
	A major appliance, dimmer, halogen or fluorescent light may be creating interference	Make sure all appliances, dimmers and suspect lights are off
Hum from all speakers (increases or decreases with change in system volume)	Problem with source unit (CD, etc.)	Try different source to verify
	Problem with cable connecting that source to the Tuner/pre-amp	Try different cable to verify

Note 1: Cable TV systems can contribute to ground loop problems, which in turn, cause "hum." To determine whether your cable system is the contributing factor, disconnect the cable TV incoming signal line (the round, 75 ohm cable) before it first connects to your system. If the hum disappears, you should insert a "75 ohm Ground Loop Isolator" between the cable down lead and your system. Check with your ADCOM Dealer to obtain one. If the isolator does not fully cancel the hum, please read Note 2 to complete the troubleshooting procedure.

Note 2: Make sure that the power amplifier is at least 6" from the Tuner/Pre-amp. Usually, putting another component between these two units is sufficient to minimize the hum. If this does not work, **turn the system off** and disconnect all input cables from the amplifier. Turn the system on again. If the hum persists, your Dealer or Service Center should check the amplifier. If the hum disappears, try another set of RCA cables. (**Remember to turn your entire system off whenever you change cables**. You may also need to wait a few moments after turning the amplifier off until the power supply discharges to avoid nasty "thumps" when you disconnect or connect cables.) Connect one RCA cable at a time to see if the hum returns and, if it does, which specific cable is responsible. Replace that cable. If the hum persists with any (or all) cables, then your GTP-760 should be checked by your Dealer or Authorized Service Center.

6.0   CARE, MAINTENANCE, and SERVICE

CARING FOR YOUR GTP-760

ADCOM has taken great care to ensure your GTP-760 is as flawless in appearance as it is electronically. The front panel is a heavy gauge, high-grade aluminum extrusion carefully finished and anodized for durability. The chassis, top cover, and rear panels are powder-coated heavy gauge steel that have been baked to ensure a lasting, durable finish. If the front panel, top or sides become dusty or finger printed, they can be cleaned with a soft lint free cloth, slightly dampened with a very mild detergent solution or glass cleaner.

WARNING! Do not spray or pour liquids of any kind on the GTP-760.

SERVICING

ADCOM has a Technical Service Department to answer questions pertinent to the installation and operation of your unit. In the event of difficulty, please contact us for prompt advice. Please have the following information readily at hand: the unit's model and serial numbers; and the dealer from which it was purchased. If your problem cannot be resolved through our combined efforts, we may refer you to an authorized repair agency, or authorize return of the unit to our factory. To aid us in directing you to a convenient service center, it would be helpful if you indicate which major city is most accessible to your home.

Please address mail inquiries to:	Phone, Fax or E-mail inquiries to:
ADCOM Service Corporation	Voice: 732-683-2356
10 Timber Lane	Fax: 732-683-9790
Marlboro, NJ 07746-1444	Monday through Friday
USA	9:00AM to 5:00PM EST/EDT
	E-mail: service@adcom.com

UNDER NO CIRCUMSTANCES SHOULD YOUR UNIT BE SHIPPED TO OUR FACTORY WITHOUT PRIOR AUTHORIZATION, OR PACKED IN OTHER THAN ITS ORIGINAL CARTON AND FILLERS/LINERS.

For Fax inquires, please include a return Fax or voice telephone number for the reply. When calling or writing about your GTP-760, be sure to note and refer to its serial number, as well as the date of purchase and the dealer from whom it was purchased. In the event the unit must be returned to our factory for service, you will be instructed on the proper procedure when you call or write for a Return Authorization. For warranty coverage, a copy of the original proof of purchase is required. If you have no original copy, please contact your dealer to obtain a duplicate copy.

If the original shipping carton and its fillers have been lost, discarded, or damaged, a duplicate carton may be obtained from our Parts Department for a nominal charge.

Always ship PREPAID VIA UNITED PARCEL SERVICE (UPS) OR OTHER APPROVED CARRIER. DO NOT SHIP VIA PARCEL POST, since the packaging was not designed to withstand rough Parcel Post handling. FREIGHT COLLECT SHIPMENTS CANNOT BE ACCEPTED UNDER ANY CIRCUMSTANCES.

7.0   SPECIFICATIONS   GTP-760

Preamplifier Section

Output Level (Rated)...1.0V
Input Impedance...20k Ohms
Output Impedance...560 Ohms
Frequency Response
    20Hz to 20kHz...+0, -0.5dB
THD+N@ Rated Output
    At 1 kHz...$\leq$ 0.01%
IM Distortion
    CCIF @ 15kHz and 16kHz...$\leq$ 0.009%
Signal to Noise Ratio (Ref. to 1 V)
    "A" Weighted...$\geq$ 90dB
Sensitivity for rated output..195 mV
Subwoofer Low-Pass Output...100 Hz

General

Power (available in 230V on special order)..120VAC/50-60Hz
Chassis Dimensions......................................4"(102mm) x 17"(432mm) x 11 1/2"(292mm)
Maximum Dimension...............................4 1/4"(108mm) x 17"(432mm) x 12 3/4"(324mm)
Weight...16lbs. (7.3kg)
Weight, Packed...19lbs. (8.7kg)

This page has been interntionally left blank.

ADCOM

details you can hear

**10 Timber Lane
Marlboro, NJ 07746
Tel: (732) 683-2356
Fax: (732) 683-9790
www.adcom.com**

Printed in the USA   GTP-760/v.1.0