

**Project: Altec Lansing PT8051 Manual User's Guide (US Version)**

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[Part Numbers]

[HEADLINE]

**Thank you for purchasing the Altec Lansing PT8051 Wireless Surround Sound System.**

The PT8051 is designed to replace the traditional A/V receiver and separate speakers and provide a complete, multi-channel surround system sound from just two components using DTS and Dolby Digital decoding to faithfully reproduce your favorite music and movie soundtracks. The PT8051 system's NXT Digital flat-panel driver technology accurately reproduces the full frequency range and delivers all the subtleties and spatial depth that today's digital formats are capable of. In addition, the PT8051's advanced wireless transmission means it's easy to experience theater quality surround effects without the need to run wires to the rear speakers.

The PT8051's design is well suited for use with today's large format LCD and plasma flat panel displays and both components can be wall mounted with them using the supplied brackets. A universal remote control is included that allows you to consolidate remote controls from various devices such as your TV, DVD player and VCR.

[HEADLINE]

## **Contents**

**Refer to the PT8051 Quick Connect Card to identify these items.**

- PT8051 main and rear surround units
- Remote control and batteries
- A/V Cable
- Wall mount brackets (hardware not included)
- User's guide and quick connect instructions

[HEADLINE]

## **Controls and Connections for your PT8051**

### ***Front Panel (Main Unit)***

[Illustration of front panel]

<b>1. VOLUME +/-</b>	Controls the volume level of all audio channels.
<b>2. LEDs</b>	Displays information about the operational status.
<b>3. INPUT</b>	Press to switch between input sources (DVD, TV/SAT, AUX, DVD digital, TV/SAT digital or AUX digital).
<b>4. MODE</b>	Press to select virtual or stereo mode.
<b>5. POWER</b>	Press to power on the system or switch to standby.

### ***Rear Panel (Main Unit)***

[Illustration of rear panel]

<b>1. Power ON/OFF</b>	Switches power on or off.
<b>2. AC Power Cord</b>	Connect to standard AC outlet. Refer to frequency and voltage range for Power Source as indicated on rear panel.
<b>3. CONNECT</b>	Press this button to manually synchronize the wireless audio link between the main and rear surround units. Under most circumstances it is not necessary to use this button as the units automatically synchronize when powered on.
<b>4. VIDEO OUT</b>	Used to display on-screen display information. Connect to composite video input of TV.
<b>5. SUBWOOFER OUT</b>	Use to connect an optional subwoofer if additional bass is required from the system.
<b>6. DIGITAL INPUT:</b>	Use to connect a DVD player that has a coaxial digital output.
<b>COAXIAL (DVD IN)</b>	
<b>OPTICAL (TV/SAT IN)</b>	Use to connect a digital satellite tuner or cable TV tuner that has an optical audio output.
<b>OPTICAL (AUX IN)</b>	Use to connect to an auxiliary sound source such as a PVR or second TV tuner that has an optical audio output. Can also be used to connect a DVD player that has an optical output but not a coaxial output.
<b>7. AUDIO ANALOG INPUT:</b>	
<b>DVD IN</b>	Use to connect to a DVD player with audio an analog output.
<b>TV/SAT IN</b>	Use to connect to a TV or satellite tuner with audio analog output.

***Front Panel (Rear Surround Unit)***

[Illustration of front panel of rear surround unit]

<b>1. WIRELESS</b>	Illuminates in a steady state when the main and rear surround speakers are synchronized to indicate the wireless audio link is operating normally. Flashes when the wireless connection between the main and rear surround speaker has become unsynchronized.
<b>2. STANDBY</b>	Illuminates when unit is plugged in and the POWER ON/OFF switch on the rear panel is in the ON position.

***Rear Panel (Rear Surround Unit)***

[Illustration of rear panel of rear surround unit]

<b>1. Power ON/OFF</b>	Switches power on or off.
<b>2. AC Power Cord</b>	Connect to standard AC outlet. Refer to frequency and voltage range for Power Source as indicated on rear panel.

### **Remote Control**

This section describes the function of each control on the remote control used to control the PT8051.

**Note:** You can also control other components using the remote control once you set the appropriate remote control codes. See the “Programming device remote control codes” section of this manual.

#### **[Illustration of remote]**

<b>1. POWER</b>	Use to toggle between On and Standby modes.
<b>2. VOL +/-</b>	Increases or decreases the overall volume level of the unit.
<b>3. ◀ ▶ ▲ ▼ and OK</b>	Move to highlight items in the on-screen display (OSD) setup menu. Press OK to confirm.
<b>4. AUDIO</b>	Sets the remote’s shared keys to control the PT8051 as opposed to DVD, TV, SAT/CAB or AUX devices.
<b>5. INPUT</b>	Press to cycle through inputs - DVD, TV/SAT, AUX, DVD digital, TV/SAT digital and AUX digital.
<b>6. MUTE</b>	Press to turn off or restore sound.
<b>7. FRONT, CENTER, REAR +/- LEVELS</b>	Increases or decreases the volume level of the individual channels for the main and rear surround units.
<b>8. BASS</b>	Enhances low frequency or bass output of the system.
<b>9. MODE</b>	Use to select between DTS, Dolby Digital, Dolby Pro Logic II or stereo mode of the system depending on the sound modes available from your audio source.
<b>10. OSD</b>	Press to enter or exit the on-screen display (OSD) setup menu.

#### **[HEADLINE]**

### **Installing the PT8051**

This section provides guidelines for locating and installing your new PT8051.

The PT8051 creates a realistic surround sound experience from just two units. Usability is further enhanced by utilizing an advanced 2.4 GHz wireless transmission system that eliminates the need to run wires to the rear surround speakers. While placement is less critical than similar systems, the following general guidelines should be followed where possible to ensure best sound quality;

- Avoid placement where furniture or other items would obstruct the grill area.
- Center the PT8051 below the TV so that dialogue appears to be coming from it.
- The maximum allowable distance between the main and rear surround units is approximately 40 feet (12 meters)

- The rear surround unit should be placed behind the primary listening position to maximize the surround sound effects from the system. For maximum sound quality it should be placed at or near ear level when they are seated in the listening position.
- Avoid placing the PT8051 on or near surfaces that may vibrate.

### ***Locating the PT8051***

The PT8051's front and rear units can be placed on suitable level surfaces or mounted on the wall using the supplied wall mounting brackets.

#### **Safety Notes:**

[Illustration of ventilation]

- Be sure to leave adequate ventilation space – at least 2 inches (50mm) above both the main and rear surround units.
- We do not recommend installing this unit so that it is directly on the floor.
- The main unit of the PT8051 weighs approximately (18.1 lbs.) (8.2 kg) and the rear surround unit weighs approximately 9.8 lbs. (4.4 kg.). Be sure to secure it where it will not fall and where it is out of the reach of children.
- Do not install the main or rear surround units directly above a cathode-ray tube (CRT) TV as stray magnetic fields may distort the TV.

### ***Wall Mounting***

If you are mounting the PT8051 on the wall please follow these steps;

1. Determine a suitable wall location for mounting each speaker unit within reach of its AC cord.
2. Position and level the supplied metal mounting brackets in the desired location on the wall.
3. Being careful to avoid any items (wires, pipes, etc.) hidden inside the wall secure the metal mounting bracket using appropriate fasteners for the application. If you are unsure which type of fasteners to use or are unable to determine if there are items within the wall that could be damaged please consult a licensed contractor.
4. Place the speaker on the mounting bracket by aligning the two buttonholes on the rear of the speaker with the posts on the mounting bracket. Check to make sure the wall mount bracket and speaker are securely fixed in place.

**Caution:** The wall-mounting bracket should be installed only by qualified personnel. The mounting bracket can be installed on many different types of walls. When installed, the mounting bracket must support at least 100 lbs. (45 kg.). The installer must be sure that the installing surface can support the 100 lb. (45 kg.) weight requirement. The qualified installer must also determine and use the proper hardware to obtain the weight requirements for the wall.

### ***Placing the PT8051 on a Stand***

You can mount your TV on a commercially-available stand and place the main unit of the PT8051 under your TV. Ensure that the stand being used can support the weight of the TV, the PT8051 and any other items it will be required to support.

**Note:** Consult the instructions supplied with the stand for details on how to install the stand and how to mount the PT8051 and the TV on the stand.

**Note:** Placement of this product on wood surfaces with certain types of finishes, such as clear varnish, may result in damage to the finish. Consult the furniture manufacturer's care instructions for direction as to the types of objects that may safely be placed on the wood surface. Altec Lansing shall not be responsible for any damage to wood surfaces from contact with this product.

[HEADLINE]

## **Setting up the PT8051**

**Warning:** Do not insert the PT8051's power plugs into a wall outlet until you connect other sources such as your TV, DVD player, satellite tuner or alternate audio source. Also, turn off audio sources before connecting them to the PT8051.

The PT8051 is designed to connect external components such as your DVD player, satellite TV tuner, cable TV tuner, VCR, game console and TV. The PT8051 can be connected to the source equipment (DVD, VCR, etc.) using either a digital (coaxial or optical) or analog connection. In cases where there are both digital and analog outputs such as a DVD player we recommend using the digital output to ensure best sound quality and optimal surround sound reproduction.

### ***Connecting devices equipped with a digital audio output (DVD player, DVR, etc.)***

The PT8051 can accept digital input signals using standard, commercially available optical or coaxial cables.

#### **Typical digital connections**

[Illustration of digital connections]

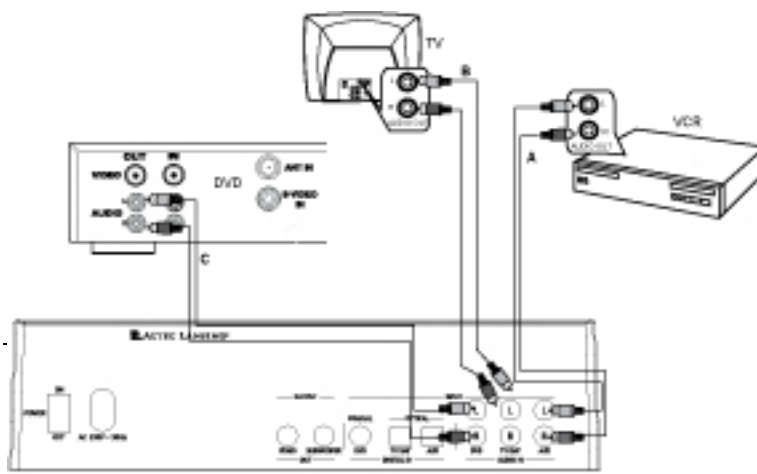
To connect a digital audio source:

- Use a coaxial cable to connect the COAXIAL IN (DVD) jack on the PT8051 to the coaxial output jack on the DVD player.
- Use an optical cable to connect the OPTICAL IN (AUX) jack on the PT8051 to the optical output jack on a digital audio source such as a game console or digital video recorder.
- Use an optical cable to connect the OPTICAL IN (TV/SAT) jack on the PT8051 to the optical output jack on the satellite tuner or cable TV tuner.

**Note:** When connecting a DVD player we recommend using the coaxial input found on the rear of the PT8051. However, if your DVD player only has an optical output it can be connected to the AUX input.

### ***Connecting devices equipped with an analog audio output (VCR or similar device).***

To connect the PT8051 to a VCR or similar analog audio device, connect the cables as shown in the diagram below.

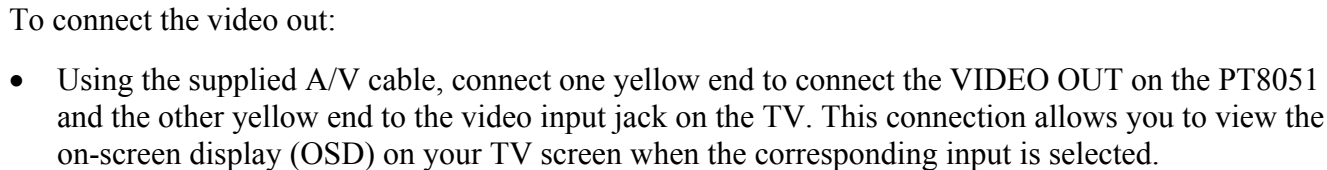


Analogue audio connections

[Illustration of analog connections]

- Use a standard stereo audio cable to connect the **AUDIO IN (AUX)** jacks on the PT8051 to the audio output jacks on the VCR or similar audio source. Ensure that the cables are connected correctly observing left (white) and right (red) connections at both the PT8051 and the source device.
- Use a standard stereo audio cable to connect the **AUDIO IN (TV/SAT)** jacks to the audio output jacks on the satellite TV or cable TV tuner. If your satellite TV or cable TV tuner has a digital output this input can be used for another device.
- Use a standard stereo audio cable to connect the **AUDIO IN (DVD)** jack to the audio output jack on the DVD player. If you have connected your DVD player using an optical or coaxial digital cable you can use this input for another device.

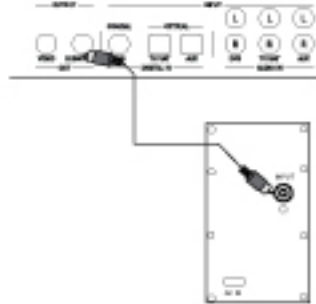
[Illustration of video connections]





### ***Connecting a Subwoofer***

[Illustration of subwoofer connection]

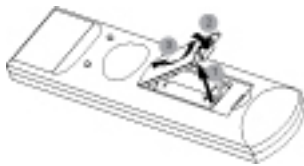


To connect an optional subwoofer:

- Use an optional commercially available mono audio cable to connect the SUBWOOFER OUT jack on the rear of the PT8051 to the SUBWOOFER INPUT jack on the subwoofer.

[HEADLINE]

### **Setting up the Remote Control**



#### ***Installing batteries***

- Depress the latch on the back of the remote as shown to remove the battery cover.
- Insert two AAA batteries.
- Close the battery cover.

#### **Notes:**

- Change all of the batteries if you notice that the operation range of the remote decreases or the indicator does not blink or its light becomes dim.
- Do not use old batteries together with new ones.
- Do not use different types of batteries such as alkaline and manganese batteries together. Read the packaging carefully as these different types of batteries may have the same shape and color.
- Exhausted batteries may leak. If the batteries have leaked, dispose of them immediately. Avoid touching the leaked material or letting it come into contact with skin or clothing. Clean the battery compartment thoroughly before installing new batteries.

- Do not throw away batteries with general house waste. Dispose of them correctly according to local regulations.

[HEADLINE]

## **Basic Operation**

- After all audio and video connections are secure; you can plug in the PT8051's AC cords into a suitable AC outlet.
- Turn on the power switch on the rear panel of the PT8051's main and rear surround units to the on position. The PT8051 will enter into STANDBY mode. The power LED on front panel will turn red indicating that the unit is in standby mode.
- Press the POWER button on the front panel to power on the PT8051. The power LED will switch from red to green indicating the unit is on. The LED on the rear unit will illuminate once the main unit has been powered on.
- Begin playback on the DVD player or other device that you want to listen to.
- Select the desired input using the INPUT button on the front panel or remote control. The corresponding LED will illuminate to indicate the input that has been selected
- Select the desired audio mode by using the MODE button on the front panel or remote control. For most devices you can choose between surround sound or stereo modes.
- Adjust the system volume using the VOL + / - buttons on the remote control or front panel.

[HEADLINE]

## **Advanced Operation**

### ***Setting Channel (Speaker) Levels***

Individual levels can be set for front, center and rear or surround channels by using the corresponding +/- level buttons on the remote. These levels should be adjusted so that all channels are at a similar volume when the listener is seated using the Test Tone function as described in the Setup Menu section that follows.

Adjustments are made by;

- Pressing LEVEL (Front +/-, Center +/- and Rear +/-) for each channel to be set. The level of the channel will appear on the TV screen.
- The range for each level is -10 dB to +10 dB, in 1 dB steps. The initial volume is 00 dB.

### ***Setup Menu***

The setup menu is displayed on your TV screen using the On-Screen Display (OSD). The OSD will only work if a video connection has been established as described in "video connection" section of this

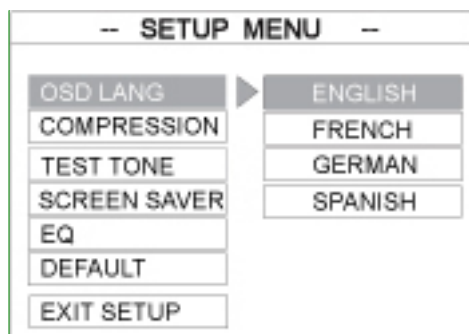
manual. You can customize your PT8051 for language, TV type, test tone setting, screen saver, and EQ. The setup menu can also be used to reset the unit to factory default settings if necessary.

### *Displaying the on-screen display*

- Press the OSD button on the remote to display the setup menu.
- Use the ◀ ▶ ▲ ▼ buttons on the remote to toggle through the selections.
- Highlight your desired option.
- Press the OK button on the remote to confirm your selection.
- To exit the setup menu, press the OSD button or select EXIT SETUP from the menu.

### *Setting the OSD Language*

Select the language for on-screen display. The default setting for the OSD is **ENGLISH**.

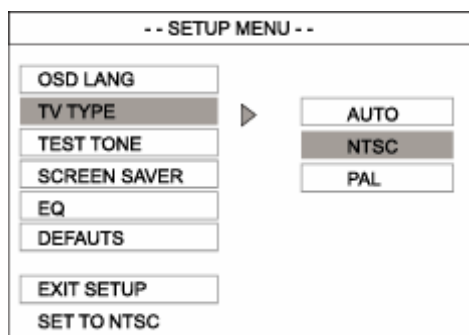


**Comment:** Ne  
CENTER and RI

### *TV Type Setting*

The color system of the PT8051 and the TV should match. Only then will it be possible to use the OSD feature on this system. Before changing the TV system, determine the color system of your TV.

The default setting is NTSC. NTSC is used in several countries including the United States, Canada and Japan. PAL is used in most European and Asian countries.



**AUTO:** Select this if the connected TV is compatible with both NTSC and PAL.

**NTSC:** Select this if the connected TV has the NTSC color system.

**PAL:** Select this setting if the connected TV has the PAL color system.

**Comment:** Ne  
CENTER and RI

### Center Delay Setting

Used to set the delay time that is used for the CENTER channel. This setting is adjustable from 0 to 5 mS (milliseconds) in one second increments. This setting is useful if your PT8051 main unit cannot be positioned near the TV. As a general rule one foot (30cm) is equal to a delay of approximately 1mS. Therefore if your PT8051 main unit was one foot from the screen you would set the CENTER delay for 1mS. It can also be adjusted so that the sound coming from the PT8051 is synchronized with the video image. The default setting is CENTER DELAY TURNED OFF.

Comment: Ad

### Rear Delay Setting

Used to set the delay time that is used for the REAR (surround) channel. This setting is adjustable from 0 to 15mS (milliseconds) in three second increments. This setting is used to accurately reproduce the surround information that is encoded on certain DVDs as the producer intended by allowing you to tailor the sound to your listening room size. In this case you would set the delay as follows;

Comment: Ad

**The delay in milliseconds for the rear (surround) speaker setting is equal to the number of feet closer that speaker is to your listening position than the main unit.**

For an example, let's assume the main unit is 15 ft away from the main listening position and the rear (surround) unit is 5 feet away.

$$\text{Surround's Delay} = 15\text{ft} - 5\text{ft} = 10\text{ft} = 10\text{mS of delay}$$

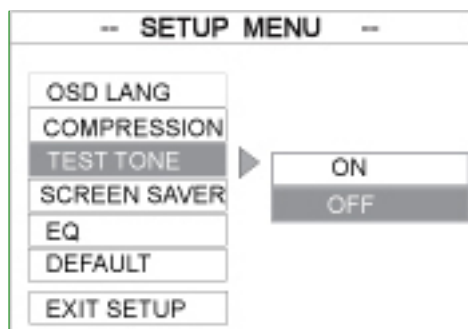
In this case you would select 9 mS from the menu as it is closet to 10 mS.

The idea is to have the sound from the main and rear units reach your ears at the same time, in relation to the signal being sent to those speakers. For the speakers that are close to you, a delay has to be added so that their sound reaches your ears at the same time as the speakers that are farther away from you, with respect to the music signal that is sent to all the speakers at the same instant. The default setting is REAR DELAY TURNED OFF.

### Test Tone Setting

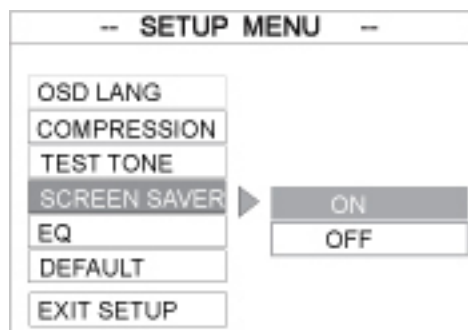
When set to the ON position, the system will test the speaker output by using an internally generated test tone. The test signal is output sequentially through various channels. The default setting is OFF.

Comment: Ne  
CENTER and R



### Screen Saver Setting

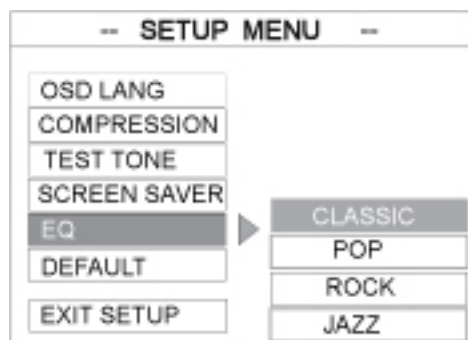
When set to ON the PT8051 will automatically enter the screen saver mode when no changes have been made after five minutes. This is useful for preventing image burn from occurring that can damage certain plasma TVs. The default setting is ON.



**Comment:** Ne  
CENTER and R

### EQ (Equalizer)

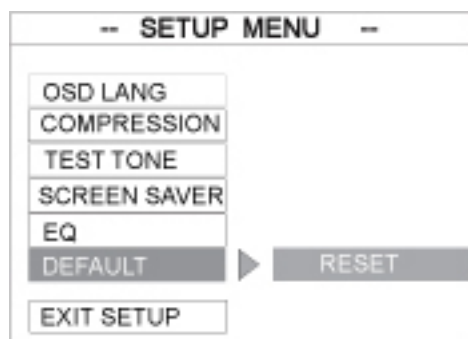
Use this function to select equalizer settings. Choose from; CLASSIC, POP, ROCK, or JAZZ. The default setting is CLASSIC.



**Comment:** Ne  
CENTER and R

### Default Setting

If RESET is selected, all the items in the setup menu will be reset to the factory default settings as previously indicated.



**Comment:** Ne  
CENTER and R

[HEADLINE]

**Operating the PT8051 Remote Control**

In addition to controlling your PT8051 you can program the remote control to operate audio/video components from other manufacturers.

[Illustration of part of remote]



Codes can be set up for each device to be controlled: TV, SAT/CAB, AUDIO, DVD, and AUX.

1. STATUS	Indicates operation of remote when specific buttons are pressed. Illuminates continuously to indicate remote is in program mode.
2. NUMERIC BUTTONS	Use to enter preprogrammed remote codes for other devices.
3. DEVICE BUTTONS	Use to program or switch remote modes for operating other devices.
1. STATUS	Indicates operation of remote when specific buttons are pressed. Illuminates continuously to indicate remote is in program mode.

### **Default Preprogrammed Remote Control Codes**

Your PT8051 remote control is preset to the default codes listed in the table below. If your component is not listed please consult the list in the Preprogrammed Remote Control Codes section. You can also use the search procedure in the Searching for Remote Control Codes section of this manual.

<b>Remote Button</b>	<b>Initial code</b>	<b>Equipment</b>
TV	082	Philips TV
SAT/CAB	039	Philips Cable Box
AUDIO	900	Altec Lansing PT8051
AUX	144	Panasonic VCR
DVD	124	Sony DVD

### **Programming Device Remote Control Codes**

Find the brand, model and code number of your components in the Preprogrammed Remote Control Codes section of this manual, then follow these steps;

- While holding down the PROGRAM button, press the button for the device to be programmed i.e., TV or DVD or CAB/SAT or AUX.
- The Status LED illuminates.
- Release both buttons.
- Enter the CODE NUMBER using the numeric buttons on the remote. If the CODE NUMBER is valid the LED will flash twice and then turn off indicating the code has been programmed. If the code number is not valid the LED flashes twice and turns on;
- Check to see that the remote can control the device that was programmed by using the CH+/- or similar button to control the device that was programmed. If it does not control the device, repeat this procedure.

**Note:** If you want to leave the setup mode, press the device button (TV, SAT/CAB, DVD, etc.). If you do not press any buttons after 10 seconds, SETUP MODE exits automatically.

### **Searching for Remote Control Codes**

If you cannot find a code number from the Preprogrammed Remote Control Codes section of this manual that matches your equipment, the PT8051 remote can search its database for a suitable control code from the codes programmed into the remote. The PT8051 remote control will find the best possible component code for any audio source.

To search for codes follow these steps;

- Turn the device (TV, SAT/CAB, DVD, AUX, etc) that you wish to locate the remote control code for to the on position.
- On the PT8051 remote press and hold the PROGRAM button while pressing the device button you wish to search for (TV, SAT/CAB, DVD, AUX, etc).

## Project: Altec Lansing PT8051 User Guide (US Version)

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- The STATUS LED on the PT8051 will illuminate and remain on.
- Release both buttons.
- Press and release the PROGRAM button again. The LED will flash to indicate that the remote has entered the search mode.
- Aiming the PT8051 remote at the device you want to control repeatedly and slowly press and release the POWER button. The PT8051 will send a different POWER code to the device each time the POWER button is pressed.
- Once the device you wish to control powers off, immediately stop pressing the POWER button and press the device (TV, SAT/CAB, DVD, AUX, etc) button again.
- The PT8051 should now be programmed to control your device.
- You can verify this by turning the device on, and entering other applicable commands such as PLAY or STOP for a DVD player or CHANNEL +/- for a SATELLITE TV box.

Note: While the POWER button was used for searching here, you can use other commands such as the PLAY button for devices that do not have a POWER button. In this case the PT8051 uses the PLAY button to search. Simply use the PLAY button instead of the POWER button as described below ensuring that the device you wish to control is ready to enter the play mode and has a DVD or tape loaded, is on, etc.

### Preprogrammed Remote Control Codes

Brand/Device	TV	AUX	SAT/CAB	DVD/CD/VCD	
	TV	VCR	SATELLITE/CABLE	CD	DVD/VCD
ABC			008, 017, 018, 019, 023, 032 040, 049, 130, 140		
Acre					135(DVD)
Acoustic Research				044	
ADC				045, 046	
ADCOM				038	
Addsion	081				
Admiral	063, 136, 177, 180, 206, 207	066			
Adventura	160	038			
Aelanta			089		
AEON			055		
Aiko	103				
Aiwa	006, 007, 008	032, 034, 035, 036, 038, 107, 108, 120		050, 069	109
Akai	113, 114, 164, 181, 190	033, 057, 084, 100, 111, 112, 113, 114, 115, 143		016, 139	
Akiba		119			
Alfa Gold			185		
Alleron	136				
Amark	178, 179, 202				
Ambassador	098				
American High		045, 072			



## Project: Altec Lansing PT8051 User Guide (US Version)

Amstrad	030, 098	107, 038			
Amusewell					116
Anam	068, 083, 148, 177, 253				
Anitech		119			
Anvision			022, 042, 046		
AOC	005, 014, 029, 048, 100, 113, 136, 152, 176, 177, 188, 190, 200, 202, 204, 214				
APO			067		
Archer	202		069		
ASA		045, 047			
Asha		103			
ASIA Giant			054, 064, 166		
Asuka		047			
ATLE				052	
Audio Dynamics		025, 109, 113, 142			
Audiovox	177, 202	047, 109			
AWA	040, 082, 193				
Baird		019, 038			
Basic Line		119			
Beaumark		103			
BESTLINK			051, 091		
Belcor	100, 114				
Bell & Howell	063, 136, 177, 195	019, 020, 066			
BENJAMIN			151		
Blaupunkt		006, 083			
Blue Star	054				
BPL	054				
Bradford	177				
Brockwood	100				
Broksonic	177, 202, 234	055, 056, 110, 112			
Bush		119			
Cablestar			022, 042, 046		
California Audio Lab				003	
Calix		047			
Canon		072, 137			
Candle/Citizen	086, 103, 113, 114, 132, 148, 160, 171, 176, 178, 188, 209	038, 046, 047, 072, 103, 109, 138, 139, 141	048		
Capehart		139			
Caravell				077 (VCD)	
Carver	037, 060	045, 144		069	
CASIO				138	
CCE		119			
Celebrity	046				
Centurion	114, 175				
Century			075		

## Project: Altec Lansing PT8051 User Guide (US Version)

CGE		038			
Changhong	018				
Channel Master			096		
Chaparral	210				
Chun Yun	005, 014, 029, 041, 076, 089, 100, 113, 121, 202, 204, 214, 242				
Chung Hsin	005, 014, 020, 024, 073, 081, 121, 190, 204	049			
Cimline		119			
Clairtone	048				
Colortyme	113, 149, 176	025, 109			
Colour Voice			005		
Colt		119			
Concerto	113, 176				
Contec/Cony	048, 107, 148, 157 173, 177, 192, 201		034		
Coronado	178, 179				
Craig	148, 177	047, 070, 103, 119, 141			
Crown	177, 178	119			
Curtis Mathes	037, 051, 063, 065, 113, 114, 129, 140, 171, 175, 176, 178, 180, 195	025, 051, 072, 094, 109, 111, 120, 121, 137, 141			
CXC	148, 177				
Cybernex		103			
Dae Ryung			019		
Daewoo	086, 100, 103, 113, 114, 118, 153, 167 174, 176, 178, 188, 190, 194, 214, 217, 235, 251, 252	020, 105, 106, 138,139, 150, 152, 153, 154, 155			133(DVD)
Dansai		119			
Daytron	100, 103, 113, 114, 175, 176, 178, 188	105			
DBS			169		
DBX		025, 109, 113, 142			
Decca		038, 045			
De Graaf		064			
Denon				001	
Diamond			043, 133		
Disco Vision					115
Distar	061				115
Drake			082, 083, 084, 096, 126, 127, 147, 160, 161		
DSS			168		
Dual		113			
Dumont	100, 236	103, 150			

## Project: Altec Lansing PT8051 User Guide (US Version)

Dynamic Bass				039	
Dynatech		038, 066, 097, 107, 109, 120			
Eagle			009, 019, 030, 042, 046, 141		
Eastern			041, 059, 060, 061, 062, 070 156		
EchoStar			092, 097, 099, 100, 101, 102, 1003		
Electroband	046, 048				
Electrohome	044, 046, 048, 068, 100, 113, 176, 178, 188, 190, 195	047, 049, 100, 103			
Electrohonic		047			
Emerex		060			
Emerson	048, 054, 084, 097, 098, 100, 112, 113 137,138,139,141 136,148,157,158 169,176,177,178 179,188,195,206 209,234	035, 038, 046, 047, 049, 052, 055, 056, 072, 079, 098, 099, 100, 101, 102, 107, 110, 111, 112, 116, 120, 130, 131, 132, 133, 134, 135, 136, 140, 150		038	
Envision	113, 114, 176				
Ether	089, 100, 202				
EUROSTAR			150		
Everquest			016		
Ferguson		113			
Fidelity		038			
Finlandia		019, 045			
Finlux	136	019, 038, 045, 064, 107			
Firstline		049, 119, 150			
Fisher	117, 168, 195	019, 020, 047, 070, 088, 092, 093, 117		029	
Fortec Star			186, 187		
Fuji		060, 072, 083, 084			
Funai/Fullness	011, 029, 030, 039, 040, 042, 136, 148, 177	038, 039, 040, 103, 107, 119, 120			
Funtach			170, 171		
Futuretech	177				
GAB		119			
Garrard		038			
G.E.	051, 054, 061, 065, 068, 083, 100, 108, 113, 131, 141, 143, 145, 146, 176, 180, 184, 187, 222, 235	051, 072, 085, 086, 094, 098, 103, 137, 141			
GEC		045			
Gemini			016, 131, 132 134, 135		

## Project: Altec Lansing PT8051 User Guide (US Version)

General (Fujitsu)	033, 136	043	017, 023, 093, 120, 130		
General Instrument / Jerrold			001, 003, 011, 012, 013, 014, 016, 017, 023, 050, 093, 125, 128, 129, 130, 135, 140, 163, 180		
Gibralter	100, 114				
Gintai	205				
GMI			052, 071, 073, 142, 155		
Golden			030		
Goldstar	096, 100, 113, 157, 171, 175, 176, 178, 179, 184, 188, 190, 191, 223	025, 046, 047, 091, 109	030		015
Goodmans	136	037, 038, 047, 119			
Go Video		103			
Gradiente		038			
Graetz		113			
Granada	164	066, 072			
Grandin	054, 177	038, 047, 119			
Grundig		045		069	
Grunpy	136, 177				
Haitai					105
Hallmark	100, 113, 136, 176				
Hamlin			010, 019, 020, 123, 133		
Harley Davidson		038			
Harman Kardon		025, 109			
Harvard	100, 136, 177	119			
Harwood		119			
Hawaii					117
HCM	054				
Head Quarter		020			
Hinari	136	103, 119			
Hi-Q		070			
Hisawa	054				
Hitachi	004, 014, 019, 034, 069, 086, 095, 099, 100, 107, 113, 157, 162, 164, 173, 176, 178, 179, 184, 188, 201, 203, 204, 207, 214, 224, 225, 238	011, 038, 064, 065, 069, 095, 107, 113, 120	023, 032, 119, 121	017, 038	115
Hwalin			124, 164		
Hypson	054				
Hyundai					118
IEEC			009, 058, 065, 066, 141		
Ima	177				
IMC			173		

## Project: Altec Lansing PT8051 User Guide (US Version)

Imperial		038			
Infinity	037, 082, 167				
Inkei				007	
Instant Replay		067, 072			
Interfunk		045			
ITT		019, 020, 103, 113			
Janeil	160				
Jasco			048, 069		
JBL	037, 082, 160, 167			078, 079	
JCB	046				
JCL		072			
JC. Penney	047, 050, 051, 065, 100, 101, 113, 114, 131, 141, 145, 171, 175, 176, 178, 180, 184, 187, 190, 201, 202	006, 025, 047, 064, 067, 072, 088, 095, 103, 109, 127, 128, 137, 141, 142			
Jean	014, 057, 089, 100, 202, 204, 205, 214				
JEBSEE			047, 068		
Jensen	113, 176	062, 113			
JVC	022, 023, 024, 067, 075, 081, 093, 107, 129, 157, 165, 166, 187, 201	016, 017, 018, 020, 025, 030, 046, 062, 087, 088, 096, 109, 113, 127, 139, 142, 151		008, 027, 031	129(DVD)
Kaisui	054	119			
Kale vision			134		
Kawasho	113, 176				
KEC	171, 177	047			
Kenwood	100, 113, 114, 176	020, 025, 030, 062, 088, 096, 109, 113, 127, 139, 142		018, 019, 028, 051	059, 060, 130(DVD)
KLH		119			
Kloss Novabeam	060, 109, 114, 160				
KMC	178, 179, 188				
Kodak		047, 072			
KOKA			055, 057, 118, 144		
Kolin	005, 014, 020, 024, 041, 073, 081, 121, 190, 204				
KONKA	243				
Krell				069	
KTV	048, 113, 114, 128, 177, 178, 179, 188, 209				
Kyocera				046	
Legend					099
LEON			052		

## Project: Altec Lansing PT8051 User Guide (US Version)

LG	114, 156, 179, 223, 248	046	052		
Lloyd		038, 107, 109, 116, 119, 120			
Lloytron	178				
Loewe	082				
Lodgenet	063				
Logik	063, 177	119			
Luxman	113, 176			032	
Luxor		019, 020, 037, 049			
LXI	037, 057, 065, 082, 100, 101, 175, 195, 206	038, 046, 047			
Macom			081, 096, 119, 120		
Magnavox	037, 060, 082, 100, 109, 113, 114, 127, 131, 132, 162, 163, 167, 175, 176, 178, 179	045, 047, 072, 075, 123, 137, 144	004, 005, 006, 007, 008, 037, 038, 039, 042, 046	022, 056, 069	059
Magnin		103			
Majestic	063, 236				
Marantz	037, 060, 082, 109, 113, 114, 125, 176, 190	025, 045, 072, 088, 109, 127, 129, 142, 144		003, 040, 069	
Marta		025, 046, 047			
Matsui	098, 178	055, 116		069	
Matsushita		045, 072			
MCS				003	
Megatron	100, 164, 202				
MEI	048	072			
Memorex	063, 100, 195	019, 020, 038, 046, 047, 066, 070, 072, 103, 107, 108, 120	024		
Metz		006			
MGA/Mitsubishi	005, 020, 021, 044, 090, 097, 100, 113, 114, 117, 136, 141, 175, 176, 188, 190, 206, 226, 227	014, 015, 029, 030, 049, 062, 063, 064, 087, 089, 090, 096, 100	158	025	131(DVD)
MGN Technology		103			
Micro Formula			107		
Midland	065, 178, 187, 236	085			
Mina			157		
Minolta		064, 095			
Mission				069	
Motorola	037, 083, 187, 206	066, 072			
Montgomery Ward		066, 097			
Movie Time			016		
Minutz	131, 184				
MTC	048, 100, 113, 114, 171, 176, 190	038, 103, 107, 120, 141			

## Project: Altec Lansing PT8051 User Guide (US Version)

MultiTech	136, 177	038, 085, 107, 119, 120, 141			
Multivision	124				
Myland					119, 120
NAD	057, 092, 100, 101				
NEC	031, 032, 041, 061, 068, 079, 080, 100, 113, 114, 160, 175, 176, 187, 190	019, 020, 025, 026, 030, 041, 042, 046, 062, 088, 096, 109, 113, 121, 126, 127, 129, 139, 142		033	
Nesco	136				
Newave	089, 106, 205, 206	046			
Nikko	100, 103, 114	047			
Noblex		103			
Nokia		019, 020, 103	188		
Novavision			019, 040, 089		
Nordmende		113			
NSC			036, 134		
NSM				069	
NTC	103				
OAK			033, 034, 139		
Olympus		072			
Omega			016		
Onking	209				
Onkyo				010, 011, 012, 013	
Onwa	177				
Optimus	092, 195, 207	019, 047, 066		019, 039, 041, 042, 043	125(DVD)
Optonica	206, 207	037			
ORBIT			095		
Orion	136, 177, 234	035, 055, 110, 112, 116			
PACE 500			183		
PACE 5000			184		
PACIFIC			178		
Panasonic (National)	010, 015, 016, 017 028, 037, 050, 058, 068, 082, 083, 088, 089, 094, 108, 122, 130, 145, 159, 161, 167, 187, 247	006, 007, 008, 012 027, 028, 031, 050, 067, 072, 112, 118, 137	003, 019, 024 114, 148, 175	003, 020	061, 062, 112 121(DVD) 122
Panda					108
Pansat			094		
Paragon (Zenith)			021, 024, 117		
PATHER			009		
PBI	107				
Pentax		064, 095			

## Project: Altec Lansing PT8051 User Guide (US Version)

Philco	037, 060, 068, 082, 100, 109, 113, 114, 127, 132, 154, 157, 162, 163, 167, 176, 178, 179, 190	045, 072, 075, 123, 137			
Philips	036, 037, 056, 060, 068, 082, 100, 109, 113, 114, 122, 132, 154, 156, 157, 162, 163, 167, 176, 179, 198, 215, 216	037,045,067,072 144,145,146	004, 005, 006, 007, 008, 037, 038, 039, 042, 046, 122, 152	068 (Tuner), 070 (REC) 071 (VCD) 022, 052, 069	071(DVD)
Pilco		072			
Pilot	114, 171, 178	047			
Pioneer	074, 092, 100, 108, 113, 123, 176, 187, 228	030, 044, 062, 064, 074, 091, 123, 139, 142	002, 022, 115,116	004, 020, 140	059, 064, 065, 098, 115, 125(DVD)
Polestar	103				
Popular Mechanic			068		
Portland	100, 103, 113, 176, 178, 179, 188, 190	105, 138, 139			
Praxis	211				
Premier			035		
Priceclub	171				
Primestar			093		
Proline		038			
Prosat			088		
Protec		119			
Proton	014, 041, 076, 100, 104, 113, 126, 157, 176, 178, 188, 196, 202, 204, 205, 214	006, 067		069	
Prism	083, 187				
Pulsar	100, 103, 236	047, 103	024, 030		
Pulser	100, 103, 236				
QED				069	
Quarter		020			
Quartz		020, 088			
Quasar	050, 068, 083, 108, 146, 187	006, 072, 137		003, 020	
RAMPAGE			174		
Randex		047			
Radio Shack	051, 065, 087, 107, 114, 148, 157, 175, 177, 178, 195, 207	037, 038, 047, 066, 070, 072, 088, 093, 097, 100, 103, 107, 120		023	
Radix		047			
Randtek			042, 046		
RCA	047, 051, 065, 066, 068, 100,	051, 064, 066, 067, 069, 071, 072, 086,	044, 086, 114, 168, 182	029,038	058, 127(DVD)



## Project: Altec Lansing PT8051 User Guide (US Version)

	105, 113, 143, 152, 176, 180, 190, 206, 213, 222, 229, 230	094, 095, 103, 118, 120, 124, 141, 148, 149			132(DVD)
RC-AK			095		
Realistic	100, 107, 114, 169, 175, 177, 178, 195, 207	019, 020, 037, 038, 046, 047, 066, 070, 072, 088, 093, 097, 100, 103, 107, 120, 137	110	038, 039, 040, 041	
Regal			019, 020, 123, 133		
Regency			037, 041, 123		
Rembrandt			017, 134		
Rhapsody	048				
Ricoh		072, 083			
ROTEL				047, 048	
Runco	114, 171, 236	047	024		
SABA		113			
SAE				069	
Saisho	098	101			
Salora		089			
Sampo	024, 041, 042, 052, 073, 086, 100, 106, 113, 114, 142, 175, 176, 178, 205, 206, 214	023, 066, 097			
Samsung	070, 100, 107, 113, 114, 140, 144, 157, 167, 170, 171, 175, 176, 178, 179, 188, 189, 190, 197, 200, 214, 237, 240, 249, 250	059, 085, 086, 103, 104, 111, 115, 133, 141, 150	004, 022, 030, 098, 134		110,113 128(DVD)
Samsux	178				
Sanky		066			
Sansui		062, 113, 119, 122, 142		021, 035, 069, 137	
Sanyo	014, 024, 025, 026, 027, 034, 035, 040, 041, 049, 051, 110, 117, 120, 168, 173, 175, 186, 195, 204, 214, 218, 231, 232, 241	019, 020, 021, 022, 068, 070, 088, 103		022, 036, 039, 055	
Schaub Lorenz		113			
Scientific Atlanta			013, 019, 040, 089, 112, 113, 172		
Scimitsu	100				
Scotch	100				
Scott	100, 114, 136, 137, 148, 157, 175, 177, 178	049, 063, 079, 089, 101, 110, 112, 132, 134, 150			

## Project: Altec Lansing PT8051 User Guide (US Version)

Sears	030, 037, 051, 057, 065, 067, 100, 101, 110, 111, 113, 117, 136, 168, 171, 175, 176, 178, 179, 195, 201, 235	019, 020, 046, 047, 064, 070, 072, 088, 092, 093, 095, 117			
Sega					115
SEI		045			
SET	098				
Sharp	009, 038, 043, 059, 087, 106, 113, 133, 157, 173, 176, 178, 179, 188, 192, 206, 207, 208	024, 037, 058, 066, 097, 100, 138	137	019, 040	111
Sherwood				007, 023, 040, 053, 54	
Shinco					107
Shintom		038, 064, 083, 084, 103, 119			
Shogun	100	103			
Sigma			034		
Signal			016, 030		
Signature	037, 063, 065, 100		017, 023		
Simpson	060, 114, 132				
Singer	187	047, 103, 119			
Sinudyne	098				
Sky Giant			063, 075, 138, 153		
SL Marx			030		
Sony	000, 001, 012, 013, 014, 024, 045, 046, 073, 097, 181, 198, 202, 204, 214, 232, 244, 245, 246	000, 001, 002, 003, 004, 005, 060, 072, 081, 082, 083, 084	169	000, 037, 049, 136	049, 063, 114 124(DVD)
Soundesign	100, 113, 132, 136, 176, 177				
Sowa	005, 014, 024, 057, 068, 072, 073, 172, 199, 200, 204, 214				
Space TV			035		
Spectricon	100, 114, 177, 202				
Sprucer			114, 148		
Squareview	030				
SSS	100, 113, 177				
Standard			134		
Starcom			016, 023, 130		
Stargate			016, 030		
Starlite	100, 177				

## Project: Altec Lansing PT8051 User Guide (US Version)

Starquest			016		
STS		064	080		
Sun Moon Star 2400			181		
Supra	178				
Supre-Macy	132, 160, 178				
Supreme	046				
Sylvania	037, 060, 082, 085, 100, 109, 113, 114, 127, 131, 132, 162, 163, 167, 175, 176	045, 049, 067, 072, 075, 089, 120, 123, 137	031, 032	022, 069	
Symphonic	030, 136, 137, 148, 177	038, 107, 120			
Synco	014, 024, 073, 198, 202, 204, 206, 214				
TADA			053, 162		
TADIRAN			030		
Taicom			055		
Tai Wah	064, 212				
Tandy	065, 178, 206, 207	088, 120			
Tashiko	205	046			
Tatung	005, 010, 014, 020, 024, 037, 041, 057, 068, 072, 073, 083, 101, 172, 187, 199, 200, 202, 204, 214	013, 038, 062, 113, 127			134(DVD)
Tay Shoen			058, 154		
Teac		038, 107, 113, 120, 127		002, 006, 014, 030, 040	
Technics	050, 083, 108, 187	006, 072		003, 030	
TECHNOSAT			149		
TECHNOVISION	151				
Techwood	050, 083, 113, 176, 187, 202				
Teco	002, 014, 028, 029, 061, 077, 078, 079, 086, 091, 183, 187, 204				
Tedelex			104		
Teknika	037, 055, 063, 100, 103, 113, 132, 136, 157, 160, 167, 171, 176, 177, 178, 179, 188, 190, 201	038, 043, 046, 047, 072, 080, 107, 120	025		
Telecaption II	136, 147, 178				
Telefunken		113			

## Project: Altec Lansing PT8051 User Guide (US Version)

Telerent	063, 178				
Teleview			030		
Tera	014, 076, 100, 113, 176, 204, 205, 214				
Texscan			029, 031, 032		
Theta Digital		114			
Thomson/ProScan	051, 065, 180	051, 113			126(DVD)
Thorn		113			
TMK	098, 101, 113, 176	098, 103, 111, 116			
Tocom			000, 001, 008, 111		
Tomashi	054				
Toshiba	003,010, 018, 020, 024, 041, 057, 101, 102, 147, 150, 168, 171, 172, 195, 199, 200, 201, 207, 214	009, 010, 013, 048, 049, 061, 064, 089, 093, 113, 117, 134, 150	024, 074, 078, 081, 105	024, 026	059, 064 123(DVD)
Tosonic	048				
Totevision	178	046, 047, 103, 141	112		
Trans PX			048, 069, 072, 075, 112, 117, 136, 179		
Tri-vision			011, 109, 125 , 137		
Tri-Lex	071(MPEG Card)				
Triumph	098	116			
Tuntex	100				
Tusa			016		
TV 86			030		
U-MEN	187				
Uniden			079		
Unika			004, 006, 028		
Unitech		103, 141			
United Cable			130		
United Satellite			077, 079		
Universal	065, 131, 184		026, 027		
UPMOST	155 (MPEG Card)				
Veccom			107		
Vector Research	114	025, 063, 089, 109 142			
Victor	067, 081, 165	063, 142, 150			
Videocon	003, 018				
Video Concepts		025, 100, 109, 142, 150			
Videosonic		038, 103, 119, 141			
Videotronic		072			
Videoway			024, 108		
Vidikron	037				
Vidtech	100, 113, 190				
Viewstar			004, 005, 006, 007, 008, 037, 038, 039, 042, 046		

## Project: Altec Lansing PT8051 User Guide (US Version)

Viking	160				
Visa	115				
Vortec			098		
Walmart			068		
Warner Amex			022		
Wards	037, 051, 060, 063, 082, 087, 100, 109, 113, 114, 116, 131, 132, 136, 137, 162, 163, 175, 176, 178, 184, 190, 207	037, 038, 046, 064, 066, 070, 072, 094, 097, 100, 103, 107, 119, 120, 125, 141			
Warton	081				
Winer			054, 087, 090		
WISO			026, 056, 145		
XR-1000		038, 072, 103, 119			
Yamaha	100, 113, 114, 176, 190	025, 088, 109, 113, 127, 142		005, 009, 034	
Yorx	114, 175				
Zenith	062, 063, 103, 219, 233, 236	047, 062, 083, 084	021, 024, 076, 082, 083, 084, 106, 117, 126, 147	080	057
Zentek			068		
Zonda	202				
Others	053, 054, 119, 151, 182, 185, 209, 220, 221	052, 053, 054, 055, 056, 073, 076, 077, 078	045, 047, 085, 143, 146, 159, 176, 177		072, 073, 074, 097, 100, 101

## Troubleshooting

Symptom	Possible Problem	Solution
No power.	One or both power cords are not connected or the main or rear surround units have not been turned on.	Plug the PT8051's AC cords into a suitable AC outlet. Then, turn on the PT8051 by pushing the on/off switch in the rear of the unit for both the main and rear surround units..
	Power switch on the back panel is not turned on for one or both units.	Turn it on.
	A safety mechanism powered down the PT8051.	Unplug the PT8051 from the AC outlet briefly and then plug it in again so it will reset itself.
No sound comes from the PT8051.	The volume is set too low.	The "+ / -" buttons on the top of the PT8051 remote are the master volume controls. Press and hold the "+" button to increase the volume.
	Loose or no cable connections on the PT8051 or source equipment.	Check that the cables are correctly and firmly seated on both the PT8051 and the source equipment.
	MUTE is on.	Be sure mute function is not activated.
No On Screen Display.	Video cable is loose or not connected.	Check that the video cable is connected and properly seated at both the PT8051 VIDEO OUTPUT and the TV input.
	The wrong input is selected on the TV.	Select the correct input on the TV, the one that corresponds to where the VIDEO OUT cable from the PT8051 is connected.
No sound is coming from the rear surround unit.	Power switch on the back panel is not turned on for one or both units.	Turn it on.
	There is no surround information on the DVD soundtrack.	It is normal not to have surround sound information present at all times.
	The REAR +/- level is set too low.	Increase the REAR +/- level by using the remote control.

## Specifications

Power Supply Rating .....	120 VAC / 60 Hz
Power Consumption .....	25W (Main Unit) 20W (Rear Surround Unit)
Signal-to-Noise Ratio .....	(A-weighted) >75dB
Dimensions (W x H x D) .....	40" x 6-3/4" x 6" (1016mm x 170mm x 152mm)
	22" x 6-3/4" x 6" (560mm x 170mm x 152mm) (Rear Surround Unit)
Weight.....	18.1 lbs. (8.2 kg) (Main Unit)
	9.8 lbs. (4.4 kg.) (Rear Surround Unit)
Output Power .....	75 Watts (3 x 25) Continuous Average Power
Drivers .....	Three NXT Digital 2" x 8" (50mm x 200mm) Flat Panel Drivers(Main Unit)
	2" x 4" (50mm x 100mm) (Rear Surround Unit)
Digital Audio Inputs.....	Two Optical / One Coaxial
Analog Audio Inputs .....	Stereo x 3
Analog Audio Outputs.....	Subwoofer x 1
Video Output.....	Composite x 1
Frequency response .....	70 Hz -20 kHz +/- 3dB
Wireless Transmission Frequency .....	2.4 GHz
Wireless Transmission Range (Maximum).....	40 Feet (12.2 Meters)

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

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

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

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### **FCC Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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### **Channel**

This equipment marketed in USA is restricted by firmware to only operate on 2.4G channel 1-11.