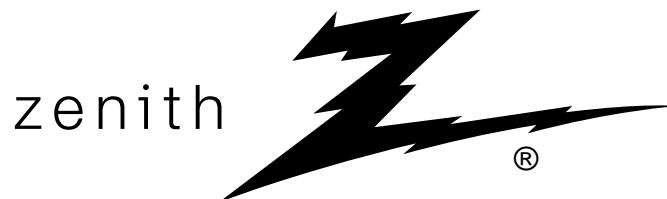
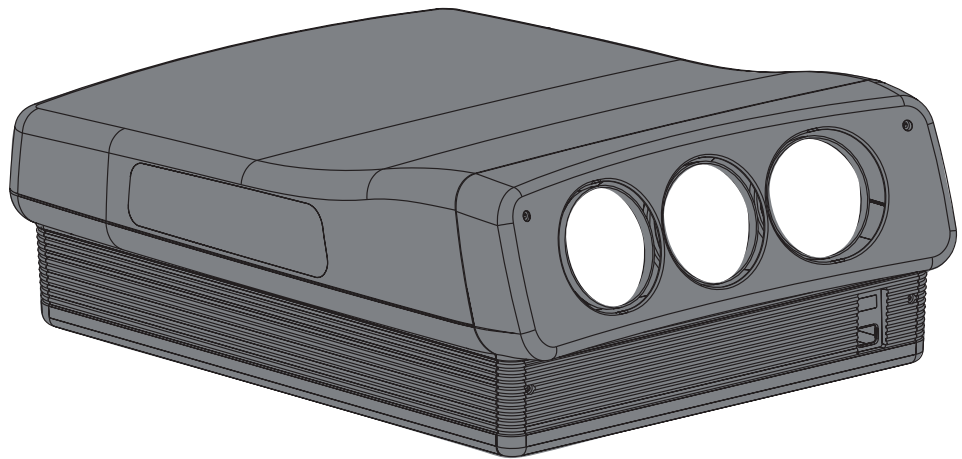

HD Projection Display Operating Guide and Warranty for User

Model
PR0895X



**RECORD YOUR MODEL NUMBER
(Now, while you can see it)**

The model and serial number of your new PRO895X are located on the cabinet. For your future convenience, we suggest that you record these numbers here:

MODEL NO. _____

SERIAL NO. _____



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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



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

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

CAUTION:

Do not attempt to modify this product in any way without written authorization from Zenith Electronics Corporation. Unauthorized modification could void the user's authority to operate this product.

IMPORTANT SAFETY INSTRUCTIONS

Important safeguards for you and your new product

Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product, and save them for future reference.

Observing the simple precautions discussed in this operating guide can help you get many years of enjoyment and safe operation that are built into your new product.

This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association.

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Follow Instructions

All operating and use instructions should be followed.

3. Retain Instructions

The safety and operating instructions should be retained for future reference.

4. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

5. Cleaning

Unplug this product from the wall power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Water and Moisture

Do not use this product near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

7. Accessories, Carts, and Stands

Do not place this product on a slippery or tilted surface or on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

8. Transporting Product

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



PORTABLE CART WARNING

9. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home/business, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

12. Power-Cord Polarization

This product is equipped with a polarized alternating-current power plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power-Cord Protection

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

(Continued on next page)

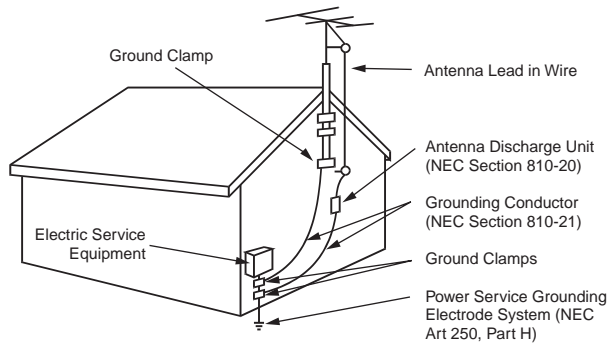
IMPORTANT SAFETY INSTRUCTIONS

(Continued from previous page)

14. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code (U.S.A.), ANSI/ NFPA 70 provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Example of Grounding According to National Electrical Code Instructions



NEC - National Electrical Code

15. Lightning

For added protection for this product (receiver) during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall power outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. Power-Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading

Do not overload wall power outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and Liquid Entry

Never push objects of any kind into this product through

openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. Damage Requiring Service

Unplug this product from the wall power outlet and refer servicing to qualified service personnel under the following conditions:

- If the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or the cabinet has been damaged.
- If the product exhibits a distinct change in performance.

21. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

22. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer. The product may slide or fall causing serious injury to a child or adult and serious damage to the product.

24. Heat

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

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Note: All design and specifications are subject to change without prior notice.

PR0895X Features

<ul style="list-style-type: none"> • Multi-Input Video Jacks • Multi-Brand Programmable Universal Remote Control • 24 Hour Clock • Sleep Timer • On/Off Timer with Multiple Settings • Source Format Memory 	<ul style="list-style-type: none"> • Video Loop-Out jack • Auto Signal Format Selection Mode • On-Screen Menus • On-Screen Status Display • Multi-Language On-Screen Menu Options • Source Format Labeling
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Notes To Users: Do Installation First

Do not operate this equipment until installation has been completed by qualified service personnel! This is the PR0895X Operating Guide and Warranty. Before this equipment is ready to be operated on a day-to-day basis, installation should be completed. See the PR0895X Installation and Setup Guide for

System Installer. after installation, use only your Universal remote for everyday operation! Refer any questions about the content of this Operating Guide and Warranty to service personnel who have a background at least equivalent to that of an Electronics Technician.

INTRODUCTION

INSTALLER'S EXPERIENCE LEVEL



Your new HD Projection Display is a sophisticated entertainment appliance. In addition to making the necessary connections, installation will most likely require a series of adjustments to ensure the projected image is not distorted. If these adjustments are not accurate, the operation of the display could be adversely affected. For this reason, installation and setup should be performed by a qualified service person and should conform to all local codes. The installer must also adhere to the pertinent Articles of the National Electrical Code (NEC), pertinent Regulations of the Federal Communications Commission (FCC), and all relevant codes of local regulating agencies.

INSTALLATION CONSIDERATIONS

Before you install your PRO895X...



Ventilation -- Proper ventilation keeps your PRO895X running cool. Air circulates through perforations on the sides of the cabinet. Do not block these vents or you will shorten the life of the display.



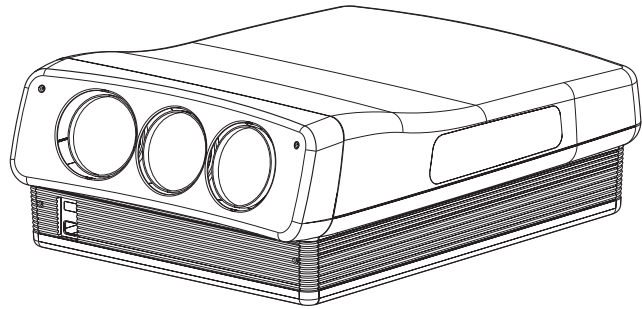
Power Cord -- This product has a three-wire grounding-type plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.



Power Source -- Your PRO895X is designed to operate on standard current, 120 volt 60 Hertz AC or 230 volt 50/60 Hertz AC. Do not attempt to operate it on DC current. Your display is configured at the factory for 120 volt, 60 Hz operation. A service adjustment is necessary to permit the unit to operate on 230 volt, 50/60 Hz. See Changing From 120 VAC To 230 VAC in the Placement and Configuration section in the Installation Guide for System Installer for details.

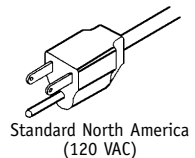
Projection Surface -- We recommend a good quality screen having a matte white finish, that measures 100" or more diagonally. Contact your local dealer for purchasing an appropriate screen.

Note: Use of a projection screen designed for a single light source projection system may result in significant side-to-side color distortion.

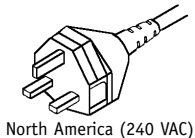


NATIONAL POWER CORD REQUIREMENTS U.S., CANADA

- The power cord must be UL listed and CSA certified.
- The minimum specifications for the power cord are as follows: No. 18 AWG, Type SV or SJ, 3 conductor.
- The power cord must have a rated current capacity of at least 10 amperes.
- The attachment plug must be an earth-grounding type with a NEMA 5-15P (15A, 125V) or NEMA 6-15P (15A, 250V) configuration.



Standard North America
(120 VAC)



North America (240 VAC)

OTHER COUNTRIES

- The cord set fittings must bear the certification mark of the agency responsible for evaluation in a specific country. Acceptable agencies include the following:
 - BSI (United Kingdom)
 - Nemko (Norway)
 - CEBEC (Belgium)
 - OVE (Austria)
 - DEMKO (Denmark)
 - SEMKO (Sweden)
 - EANSW (Australia)
 - SEV (Switzerland)
 - SETI (Finland)
 - UTE (France)
 - IMQ (Italy)
 - VDE (Germany)
 - KEMA (The Netherlands)
 - MITI (Japan)
- The flexible cord must be of a HAR (harmonized) type H05VV-F 3-conductor cord with a minimum conductor size of .03 square inches (1.0 square millimeter).
- The cord set must have a current capacity of at least 10 amperes and a nominal voltage rating of 125 or 250 VAC, as required by the specific country's power system.

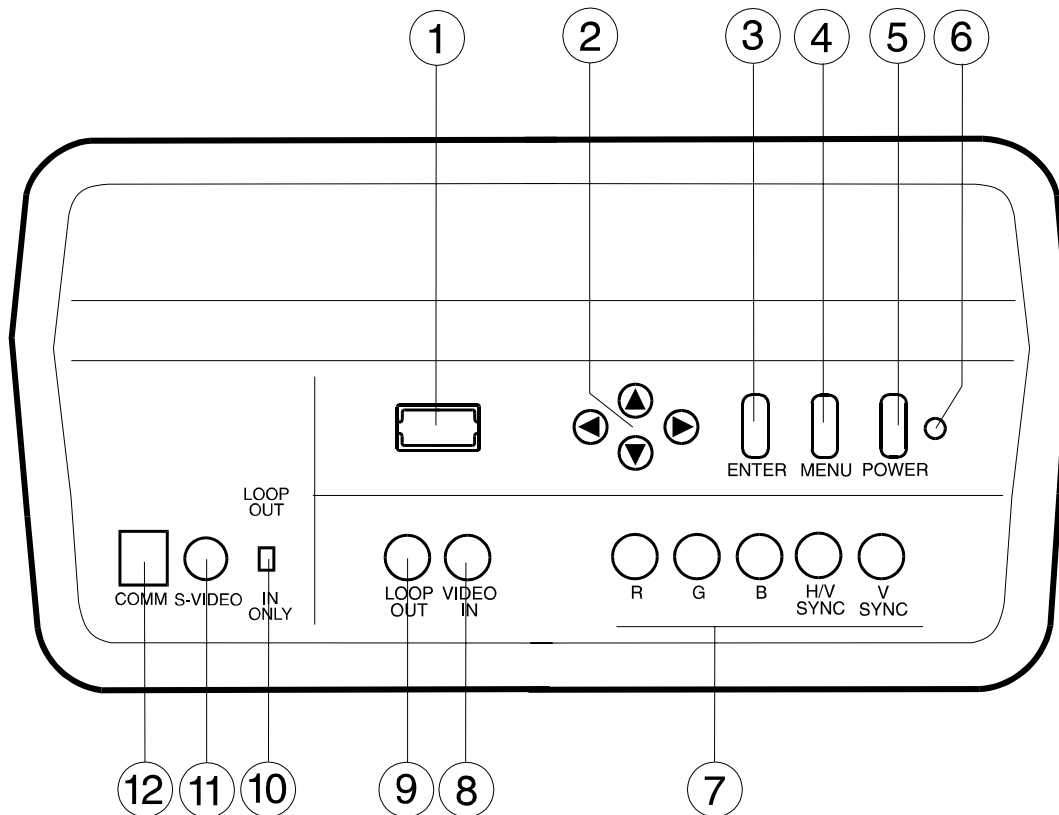
STANDARD CONNECTIONS

CONNECTIONS CENTER

You have a choice of these video source connections: Video In; S-Video In; and RGB with H/V Sync and V Sync. Use the COMM jack to connect a computer serial port.

CONNECTIONS OPTIONS

You can connect equipment such as a: laser disc player, VCR, computer, satellite receiver, or camcorder, (most equipment that provides a video output).



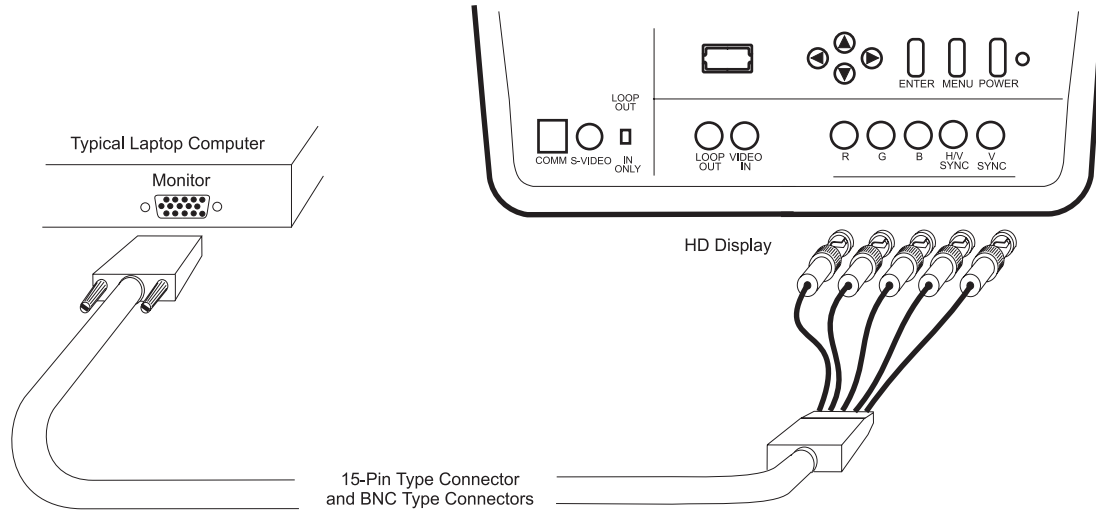
CONNECTIONS CENTER INPUT AND CONTROLS DESCRIPTION/FUNCTION

1. Remote Control Window — Receives the infrared signal sent by the remote.
Note: Another remote control signal receiving window is located on the front of the PR0895X.
2. Up/Down/Left/Right arrows — Select and adjust on-screen menu options.
3. ENTER — Use when an enter function is required.
4. MENU — Accesses on-screen menus.
5. POWER — Turns PR0895X On and Off.
6. Power On Indicator — Lights when power is On.
7. R,G,B, H/V SYNC, V SYNC — Connect a video source that provides video signals in the form of Red, Green, Blue, Horizontal, Vertical Sync Outputs, to these input jacks.
8. Video In Jack — Connects a video source with a composite video output to this jack.
9. Loop Out Jack — Provides the same VIDEO IN signal to another component.
Note: Set Loop Out/In switch to “Out” if you connect a video source to the Loop Out jack.
10. Loop Out/In Switch — Should be in the “In” position unless a video source is connected to the Loop Out jack.
Note: Failure to set switch to proper position could result in a video overload or a washed out video.
11. S-Video — Connect a video source with an S-Video jack (Y- C Connector) to this input jack.
12. COMM — Connect a computer or serial device to this jack.

STANDARD CONNECTIONS

CONNECTING COMPUTER VIDEO SOURCES

Connect a video source such as a computer: PC, Laptop, or Notebook type.

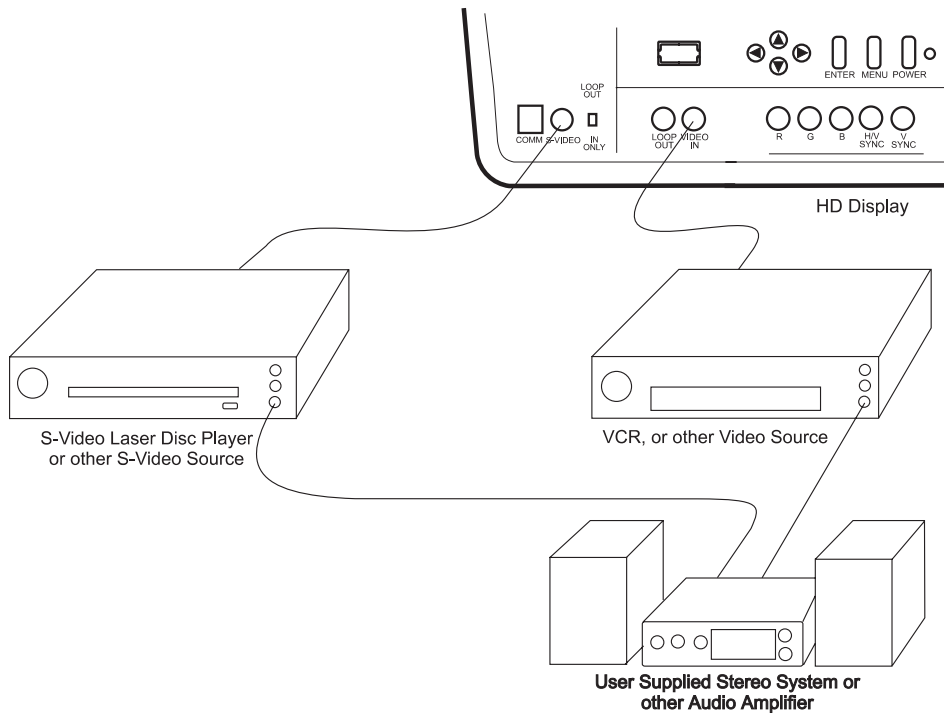


To hook up a laptop or computer, use a cable with a 15-pin D type connector on one end and BNC connectors on the other end.

Note: Any special adapters, cables, or connectors shown are not provided with the PR0895X. See your computer dealer for your special requirements.

CONNECTING VIDEO AND S-VIDEO SOURCES

Connect video sources with a tuner, (VCR) or other video sources such as a DVD player or satellite receiver.



To hook up a VCR, DVD player, or other video source, use standard video connectors as needed.

Connect the video source to the Video In jack on the PR0895X. If the video source has an S-Video connector, then connect to the S-Video jack on the PR0895X.

Notes: For audio capability, connect your Video sources' Audio output to a separate audio amplifier like a stereo system; no audio capability is provided with the PR0895X. Use cables and adapters with the connector types and jacks available on the video source.

USER'S QUICK REFERENCE GUIDE

SETUP CHECKLIST

- Turn on all system components including the video source you intend to watch; video source is the video equipment connected to the HD Display connection center.
- Turn on the PR0895X.
- Select a video source from one of the video inputs provided on the connection center: Video In, S-Video In, or RGB input jacks.
- Set the PR0895X internal clock. The internal clock must be set before the Timer Menu option will appear in the Setup Main Menu.
- Select English, Spanish, French, or German for on-screen menus.
- Use other options (fine-tune video image).

BASIC OPERATION: PROJECTING A PICTURE (Remote operates the PR0895X in TV mode)

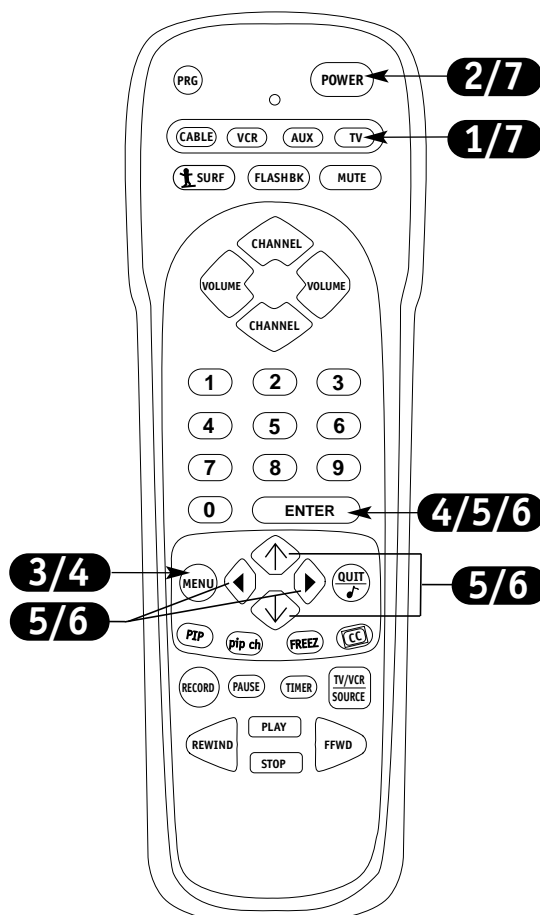
Once the PR0895X has been installed and set up, follow these simplified instructions for operation. Be sure to install batteries in the remote.

Projecting a Picture

1. Press TV on remote to operate the PR0895X.
2. Point remote toward PR0895X screen, press POWER to turn PR0895X on. (Be sure all video sources are also turned on.)
3. Press MENU to display and access the on-screen menus.
4. Press MENU repeatedly to highlight the Source menu.
5. Use the Up/Down arrow to select the input source you want to project on the screen, press ENTER.
6. Make any other necessary on-screen menu adjustments using the Up/Down/Left/Right arrows for the Setup and Video Menus. (Up/Down arrows select options, Left/Right arrows adjust or change settings). Press QUIT to exit menu.
7. When finished using the PR0895X, press TV, press POWER to turn the PR0895X off.

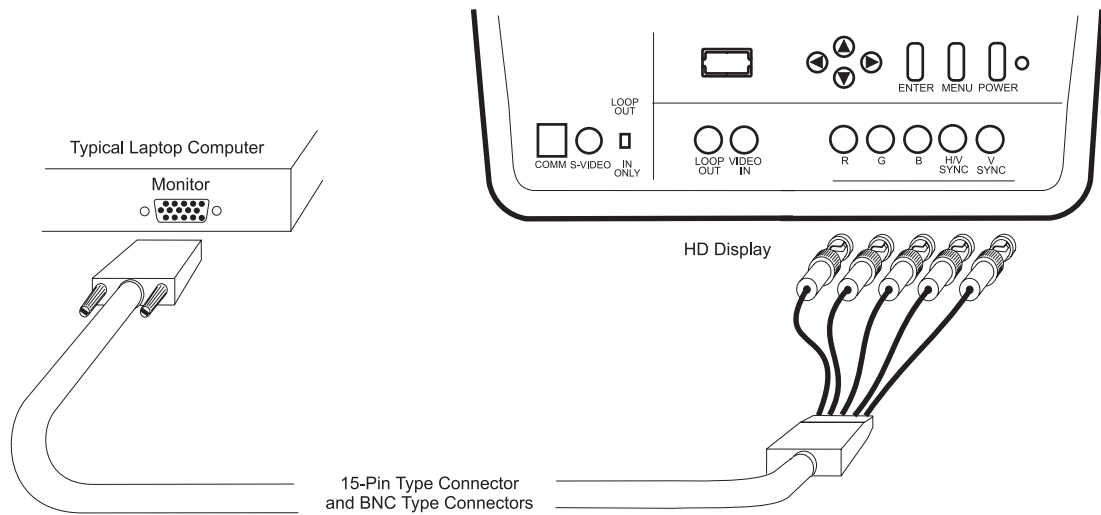
Audio Amplifier Note:

Reference is made to an audio amplifier. The user-supplied audio amplifier may be a stereo system. In that case, connect Right and Left Audio Out from the video source you are using to Right and Left Audio In on the audio amplifier.



USER'S QUICK REFERENCE GUIDE

USING A COMPUTER AS A VIDEO SOURCE



Use the Universal Remote to Access On-screen Menus and Make Changes

Once the PR0895X has been installed and set up, follow these simplified instructions for operation. Be sure to install batteries in the remote. See Remote control section for further instructions regarding remote operation.

Computer Setup Instructions

Connections Computer to PR0895X

Menus

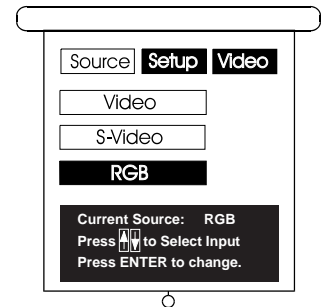
Source Menu -
Select RGB as input source.

Setup Menu -
Select Aspect Ratio 4 x 3.
Select Static Setup and adjust if necessary.

Video Menu -
Make RGB Source adjustments if necessary.

Format If the new video source has not been connected before, it may be in a format not recognized by the PR0895X. If the new format is not recognized, save it and give it a name.

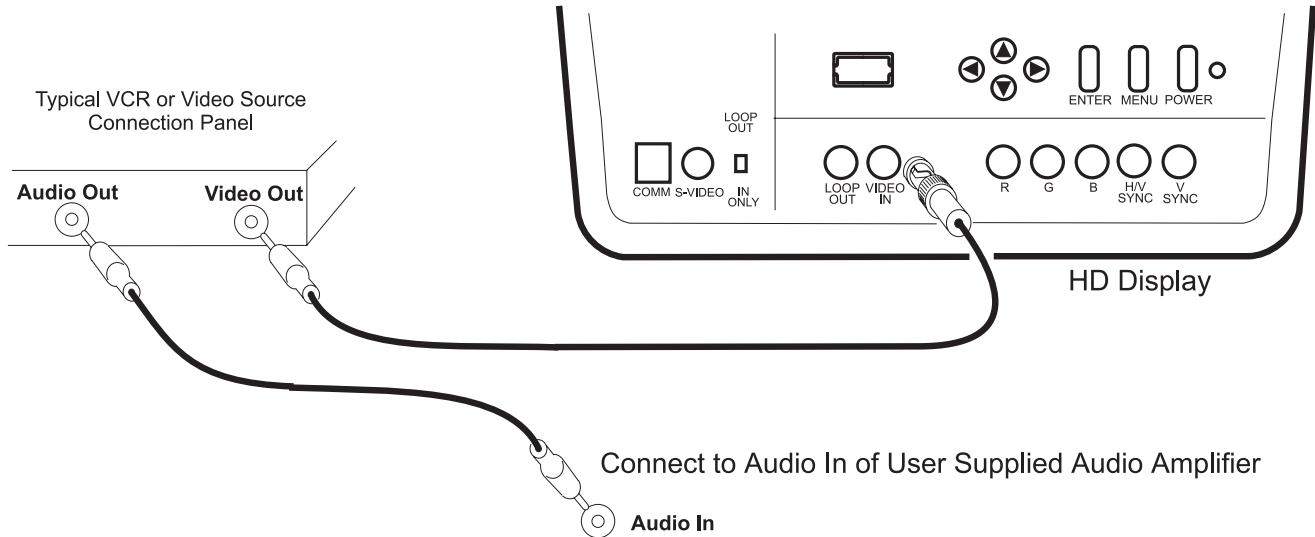
Adjustments Make any additional image adjustments as required for this unique setup. See the "Installation and Setup Guide for System Installer" for set up instructions.



Source Menu with RGB selected as Input Source

USERS QUICK REFERENCE GUIDE

USING A VCR, OR OTHER VIDEO SOURCE



Use the Universal Remote to Access On-screen Menus and Make Changes

Once the PR0895X has been installed and set up, follow these simplified instructions for operation. Be sure to install batteries in the remote. See Remote control section for further instructions regarding remote operation.

Note: If Video In is used without a connection to loop out, "Loop Out Switch" must be put to the "In Only" position.

VCR or other Video Source Setup Instructions

Connections VCR to Video In on PR0895X
VCR Audio Out to Audio In of User-Supplied Stereo System or Audio Amplifier.

Menus

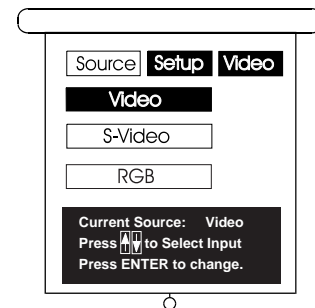
Source Menu -
Select Video as input source.

Setup Menu -
Select Aspect Ratio and select proper ratio.
Select Static Setup and adjust if necessary.

Video Menu -
Make RGB Source adjustments if necessary.

Format If the new video source has not been connected before, it may be in a format not recognized by the PR0895X. If the new format is not recognized, save it and give it a name.

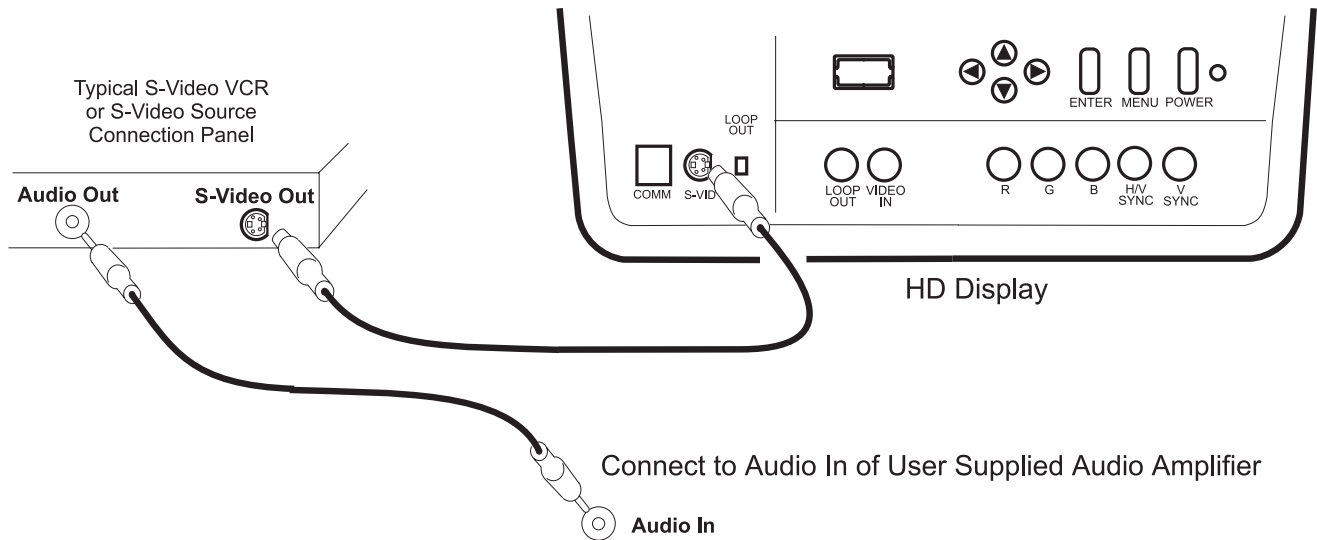
Adjustments Make any additional image adjustments as required for this unique setup. See the "Installation and Setup Guide for System Installer" for set up instructions.



Source Menu with Video selected as Input Source

USERS QUICK REFERENCE GUIDE

USING AN S-VIDEO VCR OR OTHER S-VIDEO SOURCE

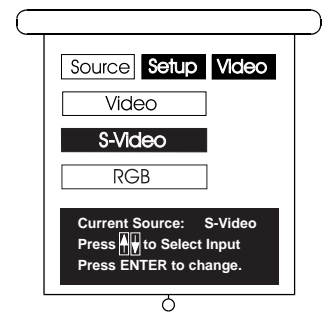


Use the Universal Remote to Access On-screen Menus and Make Changes

Once the PR0895X has been installed and set up, follow these simplified instructions for operation. Be sure to install batteries in the remote. See Remote control section for further instructions regarding remote operation.

S-Video VCR or other S-Video Source Setup Instructions

Connections	S-Video Out to S-Video In on PR0895X VCR Audio Out to Audio In of User-Supplied Stereo System or Audio Amplifier.
Menus	Source Menu - Select S-Video as input source. Setup Menu - Select Aspect Ratio and select proper ratio. Select Static Setup and adjust if necessary. Video Menu - Make S-Video Source adjustments if necessary.
Format	If the new S-Video source has not been connected before, it may be in a format not recognized by the PR0895X. If the new format is not recognized, save it and give it a name.
Adjustments	Make any additional image adjustments as required for this unique setup. See the "Installation and Setup Guide for System Installer" for set up instructions.



Source Menu with S-Video selected as Input Source

UNIVERSAL MULTI-BRAND REMOTE CONTROL

INTRODUCTION

This multi-brand remote operates the common features of most, but not all, models and brands of infrared controlled products. If some functions of your particular product cannot be controlled by this remote, use the original remote.

BATTERY INSTALLATION

Batteries are provided, but must be installed before using the remote control. When the remote no longer functions normally, or if it loses memory, replace the batteries with three high-quality, alkaline, size AAA batteries. Match positive with positive (+ with +), and negative with negative (- with -) as shown inside the battery compartment.

Notes

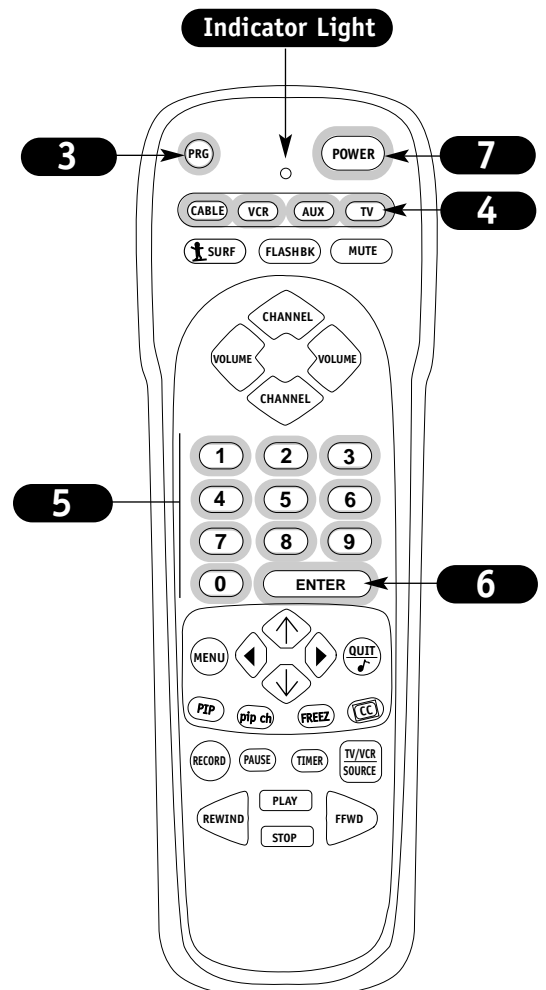
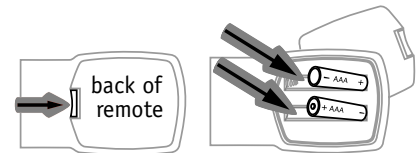
- Do not place heavy objects on top of the remote keys; prolonged unintentional remote operation shortens battery life.
- Remove the batteries if the remote will not be used for a month or more. Battery leakage can permanently damage the remote, for which Zenith is not responsible.

PROGRAMMING YOUR REMOTE TO OPERATE OTHER IR (Infra-red) DEVICES

1. Turn on the device you want to program.
2. On the chart on page 17/18, find the type of device you're programming, and then find the brand name. Make a note of the three-number code, you'll need it soon.
3. Press and hold PRG. It's recessed so it doesn't get pushed accidentally. Use a small, blunt object. When the indicator light turns on, release PRG.
4. Push the key name with the type of device you're programming (VCR, CABLE, or AUX, DO NOT PROGRAM TV MODE).
5. Using the NUMBER keypad, enter the three-number code you found on page 17/18.
6. Press ENTER to save the code. (The indicator light will flash 3 times, then turn off to indicate the code is valid.)
7. Point the remote at the device and push POWER. It should turn off. If not, try the other codes listed and continue from step three.

Notes

- To reset remote to factory settings, enter 9-1-1, in Step 5. After programming, be sure to press the mode key first to operate the device you have just programmed.
- The VCR mode will only accept codes for VCRs. The AUX 1, AUX 2, and Cable modes will accept codes for any kind of IR controlled product.
- To get out of Programming mode before you enter a code, just press QUIT on your remote.



MBR3458CT
124-233-06

UNIVERSAL MULTI-BRAND REMOTE CONTROL

CONTROL THE VOLUME ON YOUR HOME AUDIO SYSTEM WITHOUT CHANGING MODES

Amplifier Volume Override

1. Find the code that operates your amplifier. Test it to make sure it's the correct one by following the procedure in "Programming Your Remote" on the previous page.

2. Program your audio system into one of the available AUX modes: Aux, Aux+1, Aux+2, or Aux+3.

3. Press and hold PRG on your remote until the indicator light stays lit, then release.

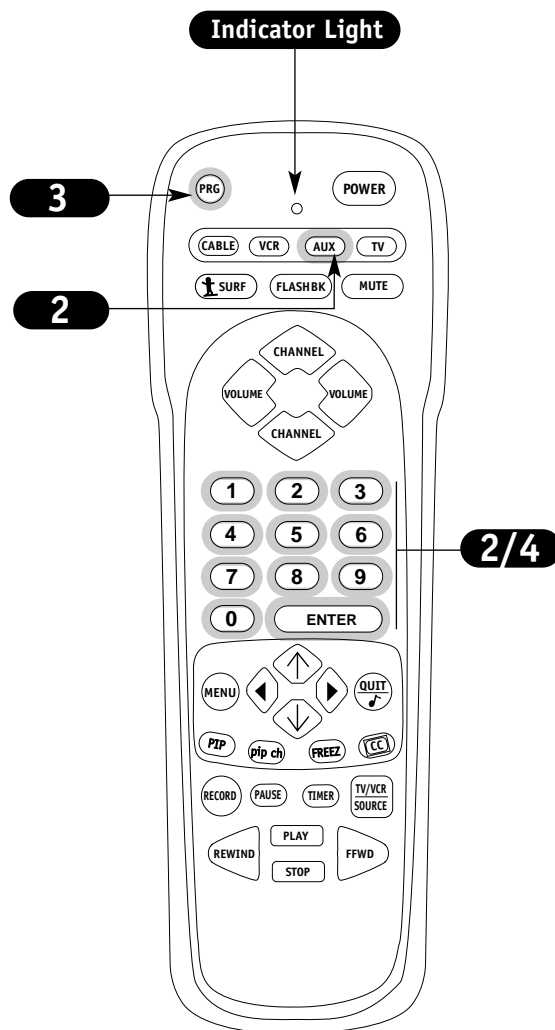
4. Press 4-9-9; then ENTER on the remote. The indicator light will flash three times the code was accepted. Audio system volume/mute now appears in all modes.

Notes

- You can also program Cable Box Volume and Mute control (if available) into your cable box mode (CABLE or AUX mode) by repeating the steps for programming on the previous page but entering 3-9-9, instead of a brand code, then pressing ENTER.

- To put everything back to normal, reprogram the mode from step 3 with the original brand code.

- If you can't find the code for your amplifier, use the Auto Find feature on page 16.



UNIVERSAL MULTI-BRAND REMOTE CONTROL

CONTROL UP TO SEVEN DIFFERENT DEVICES WITH YOUR REMOTE

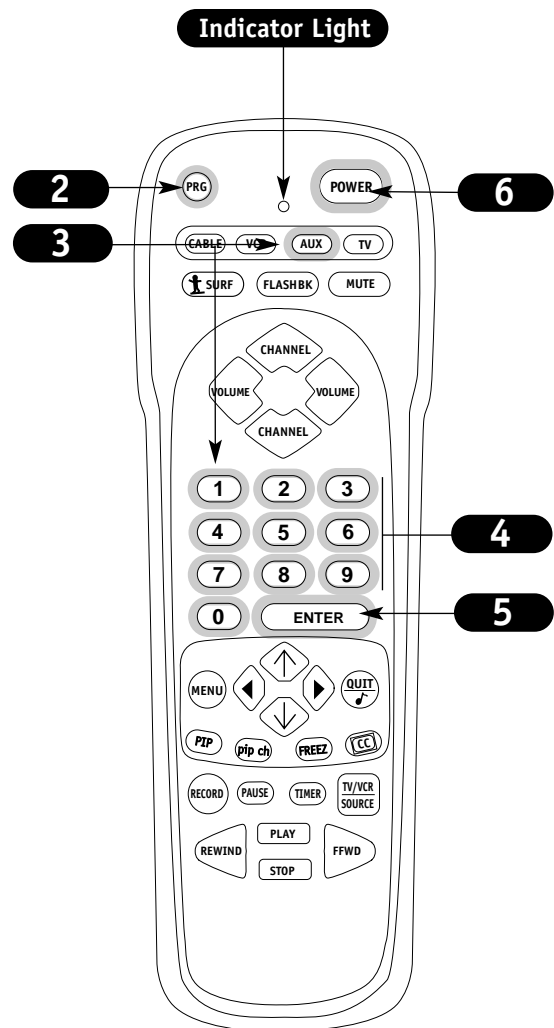
AUX 1 - 2 - 3

1. Refer to the chart on page 17/18 to find the type and brand name of the device you're programming.
2. Press and hold down PRG with a small blunt object until the indicator light turns on, then release PRG.
3. Press AUX and the 1 on the NUMBER keypad at the same time (for AUX +1).
4. Using the NUMBER keypad, enter the three-number code for the device you've selected.
5. Press ENTER to save the code.
6. With the device turned on, point the remote at it and press POWER. It should turn off.

Repeat the above steps for AUX+2, and AUX+3.

Notes

- Programming your Zenith remote may allow you to use one remote to work up to 7 different products or devices.
- AUX Auxiliary equipment can be any equipment which does not have a dedicated key on your remote like Cable or VCR. Typically a second VCR, stereo system, audio tape deck, etc.
- Some devices may not work with your Zenith remote control.



UNIVERSAL MULTI-BRAND REMOTE CONTROL

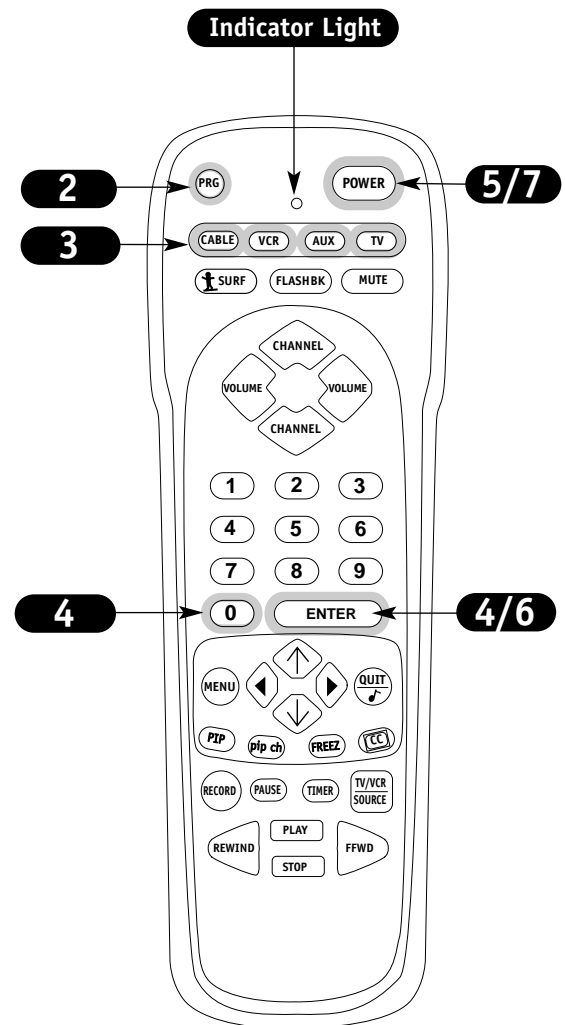
USE AUTOFIND TO AUTOMATICALLY SEARCH AND TRY ALL POSSIBLE BRAND CODES

AutoFind

1. Turn on the device you want the remote to control.
2. Press and hold PRG until the indicator light turns on, then release PRG.
3. Press the key for the device you are trying to program (CABLE, VCR, AUX, TV).
4. Press 0-0-0 (zero-zero-zero), then press ENTER right away.
5. Aim the remote at the correct device and push the POWER key (The indicator light will turn off while the POWER key is pressed). Allow a second to pass, then push the POWER key again. Repeat until the device turns off.
6. Push ENTER to save the code (The indicator light will flash 3 times and then turn off).
7. Press POWER to turn the device back on.

Notes

- You can quickly get out of Auto Find by pressing PRG.
- If the indicator light stays on while you press Power instead of turning off, all the codes have been tried and your device can't be controlled.
- AUTO FIND is an additional way of finding a brand code for controlling auxiliary equipment such as a VCR, DVD player, etc. that is not available through the regular remote brand code programming method.



UNIVERSAL MULTI-BRAND REMOTE CONTROL

FIND THE CODES YOU NEED TO PROGRAM YOUR REMOTE. ON THIS PAGE: TVS, VCRS, CABLE BOXES, AND HD/SET TOP BOXES

TVs

Daewoo 149
Zenith 101 121 149
152

TV/VCR Combination Codes

Adventura TV/VCR . 154
Daewoo TV/VCR . . 148

Funai TV/VCR. . . . 154
Goldstar TV/VCR. . 153 172
Symphonic TV/VCR 154

Zenith TV/VCR . . . 150 152 153
154 172

VCRs

Admiral 261
Akai 292 717 718
719 720
Audio Dynamics . . 726
Bell & Howell . . . 247
Broksonic 221 250 255
729
Candle 727
Canon 704
Capeheart 728
Citizen 727
Craig 212
Curtis Mathes . . . 259 266 725
727
Daewoo 244 246 248
254 703 729
Daytron 246
DBX 726
Electrochrome. . . 730
Emerson 203 221 243
250 293 721
722 729 730
731 732
Fisher 211 212 213
247 265 274

General Electric . . 216 220 266
282 701 702
725
Go Video 256 262 263
700
Goldstar 253
Harmon Kardon . . . 296
Hitachi 257 270 273
292 705 706
707 708
J.C. Penny 268 726
Jensen 292
JVC 224 225 258
268 292 299
726
Kenwood 268 292 726
727
Magnavox 275
Marantz 267 268 726
727
Memorex 212 298
MGA 297 730
Mitsubishi 276 277 278
279 280 296
297 730
Montgomery Ward . 216 219 249
291 730

MultiTech. 727
NEC 267 268 269
281 292 709
726
Orion 250
Panasonic 245 251 259
713 714 715
716
Pentax 708 727
Philco 275
Pioneer 210 282 726
Portland 246 727
ProScan 216 260 266
282 725
Quasar 259 295
Radio Shack 213 265 730
RCA 216 220 228
240 242 249
260 266 282
283 284 285
286 287 288
708 710 711
725
Realistic 212 213 265
730
Saisho. 722
Salora 297

Samsung 220 230
Sansui 289 292 709
726
Sanyo 212 247 294
Scott 243 290 729
Sears 211 212 213
265 274
Sharp 261 730
Signature 2000 . . . 216 219 249
Sony 232 723 724
Sylvania 275 297
Tatung 268 292
Teac 268
Teknika 272
Toshiba 213 274 290
297
Vector Research . . 726 727
Victor 726
Video Concepts . . 726 727
XR - 1000 243
Yamaha 726
Zenith 201 224 225
229

Cable Boxes

Allegro 358 362
Allegro A-B Switch 361
Archer 325
Century 325
Citizen 325
Comtronic 326
Everquest 379
Garrard 325
Gemini 305 331 338
General Electric. . 367
General Instrument 304 305 306
307 308 309
310 318

Hamlin 302 303 345
365 366
Jasco 325
Jerrold 304 307 308
309 310 318
360 363
Kale Vision 335
Macom 321
Magnavox 327 334
NSC 335 339 368
369 370
Oak 311 332 342
Panasonic 313 320
Philips 325 327 347

350 352 354
355
Pioneer 315 343
RCA 341
Regency 329
Samsung 326 335
Scientific Atlanta . 316 323 336
337 364
Signal 326
SL Marx 326
Sprucer 313
Standard Comp . . . 335
Stargate 326 379

Teleview 326
Texscan 339 356 371
Tocom 317 318 346
Unika 325 348 362
Universal 325 358 362
Vid Tech 340
Video Way 349
Viewstar 327 354 355
372
Zenith HT-2000. . . 353
Zenith PM 374

HD/Set Top Boxes

EchoStar 805
Hughes 803

Philips 802
RCA 804

Sony 801
Zenith 800

UNIVERSAL MULTI-BRAND REMOTE CONTROL

FIND THE CODES YOU NEED TO PROGRAM YOUR REMOTE. ON THIS PAGE: CABLE, SATELLITE, CD PLAYERS, TAPE DECKS, AUDIO TUNERS AND AMPLIFIERS.

Satellite Receivers

Alphastar 516	Hughes Network . . 514	RCA 510 517	Toshiba 509 512
Chaparral 501 502	JVC 518	Realistic 506	Uniden 522
Cheyenne 502	Macom 314	Sierra I 502	United 344
Dishnet 515	Magnavox 521	Sierra II 502	Zenith Drake 312 330
Drake 503	Phillips 521	Sierra III 502	Zenith Satellite . . 328 351 378 500
General Electric . . 510 517	PrimeStar 513	Sony 511	
General Instrument 504 505	ProScan 510 517	STS1 507	
Hitachi 519 520	RCA DSS 373	STS3 508	

DVD Players

JVC 965	Pioneer 963	Toshiba 961
Mitsubishi 964	Sony 962	Zenith 960

Audio CD Players

ADC 940	JVC 949 954	Panasonic 431 432 945	445 934
ADO 939	Kenwood 441 931 948	Phillips 421 433 434	Soundesign 461 498 901 902
Aiwa 938	Luxman 930	Pioneer 431 435 944	Sylvania 433
Akai 937	Magnavox 421 422 433 434	Quasar 432	Teac 418 419
Denon 935	Marantz 929 947	Radio Shack 431 441	Technics 432
Dynatech 953	MCS 928	RCA 437 943	Toshiba 915
Emerson 952	Mitsubishi 927	Sanyo 438 439	Yahama 414 941 942
Fisher 438 933 951	Nakamichi 925 926	Sears 936	Zenith 460 461 498 901 902
GE 932	Onkyo 923 924 946	Sharp 441 442	Zenith CD Rec . . . 415
Goldstar 460	Optimus 920 921 922	Sherwood 449	
Hitachi 950		Sony 420 443 444	

Audio Tape Decks

Sony 452

Audio Tuners/Amps

Citizen 914	Marantz 903 913	Pioneer 470 485 907	Soundesign 461 498 901 902
GE 916	Memorex 485	Proton 910	Toshiba 915
Goldstar 460 474	Nad 904	Quasar 912	Techniques 912
Hitachi 919	Nakamichi 493	RCA 909	Victor 908
JVC 908	Onkyo 471 906	Sharp 483 917 918	Zenith 460 461 498 901 902
Kenwood 484	Optimus 905	Sherwood 900	
Luxman 467	Panasonic 912	Sony 486 489 490 491 492	

UNIVERSAL MULTI-BRAND REMOTE CONTROL

Key functions in TV, VCR, Cable, and AUX operating modes

KEY NAME	TV Mode Zenith Code 101	VCR Mode Zenith Code 201	Cable Mode Zenith Code 353	AUX Mode Zenith Code 960
PRG	Program Mode Codes	Program Mode Codes	Program Mode Codes	Program Mode Codes
POWER	TV On/Off	VCR On/Off	Cable Box On/Off	AUX On/Off
CABLE	Selects Cable	Selects Cable	Selects Cable	Selects Cable
VCR	Selects VCR	Selects VCR	Selects VCR	Selects VCR
AUX	Selects AUX	Selects AUX	Selects AUX	Selects AUX
TV	Selects TV	Selects TV	Selects TV	Selects TV
Surf	Surf Channels On/Off	VCR SP/EP	Cable FC/Fav Ch	AUX Audio
FLASHBK	TV Flashback	VCR Flashback	Cable Flashback	AUX Return
MUTE	TV Mute	TV Mute	TV Mute	TV Mute
CHANNEL UP	TV Channel Up	VCR Channel Up	Cable Channel Up	AUX Skip >>
CHANNEL DOWN	TV Channel Down	VCR Channel Down	Cable Channel Down	AUX Skip <<
VOLUME (RIGHT)	TV Volume Up	TV Volume Up	TV Volume Up	TV Volume Up
VOLUME (LEFT)	TV Volume Down	TV Volume Down	TV Volume Down	TV Volume Down
1	TV Digit 1	VCR Digit 1	Cable Digit 1	AUX Digit 1
2	TV Digit 2	VCR Digit 2	Cable Digit 2	AUX Digit 2
3	TV Digit 3	VCR Digit 3	Cable Digit 3	AUX Digit 3
4	TV Digit 4	VCR Digit 4	Cable Digit 4	AUX Digit 4
5	TV Digit 5	VCR Digit 5	Cable Digit 5	AUX Digit 5
6	TV Digit 6	VCR Digit 6	Cable Digit 6	AUX Digit 6
7	TV Digit 7	VCR Digit 7	Cable Digit 7	AUX Digit 7
8	TV Digit 8	VCR Digit 8	Cable Digit 8	AUX Digit 8
9	TV Digit 9	VCR Digit 9	Cable Digit 9	AUX Digit 9
0	TV Digit 0	VCR Digit 0	Cable Digit 0	AUX Digit 0
ENTER	TV Enter	VCR Enter	Cable Enter	AUX Display
MENU	TV Menu	VCR Menu	Cable Menu	AUX Menu
UP ARROW	TV Select Up	VCR Select Up	Cable Up Arrow	AUX Up Arrow
DOWN ARROW	TV Select Down	VCR Select Down	Cable Down Arrow	AUX Down Arrow
LEFT ARROW	TV Adjust Left	VCR Adjust Left	Cable Left Arrow	AUX Title
RIGHT ARROW	TV Adjust Right	VCR Adjust Right	Cable Right Arrow	AUX Sub-Title
QUIT/(Note)	TV Surr Sound	VCR Quit	Cable Quit	AUX Resume
PIP	TV PIP	VCR+	Day Up	AUX Marker
PIP CH	TV/PIP Channel Tune	VCR Eject Tape	Day Down	AUX Marker Search
FREEZ	TV PIP Freeze	VCR Commercial Skip	Cable Page Up	AUX Repeat-Chap
CC	TV Closed Captions	VCR Memory	Cable Page Down	AUX Repeat A-B
TIMER	TV Timer	VCR Timer	Cable Timer	AUX Program
TV/VCR/SOURCE	TV Sources	TV Tuner or VCR Tuner	Cable Info	AUX Open/Close
RECORD	VCR Record	VCR Record	Cable Buy	AUX Angle
PAUSE	VCR Pause	VCR Pause	Cable Guide	AUX Pause
REWIND	VCR Rewind	VCR Rewind	VCR Rewind	AUX Scan <<
PLAY	VCR Play	VCR Play	VCR Play	AUX Play
STOP	VCR Stop	VCR Stop	VCR Stop	AUX Stop/Eject
FFWD	VCR Fast Forward	VCR Fast Forward	VCR Fast Forward	AUX Scan >>

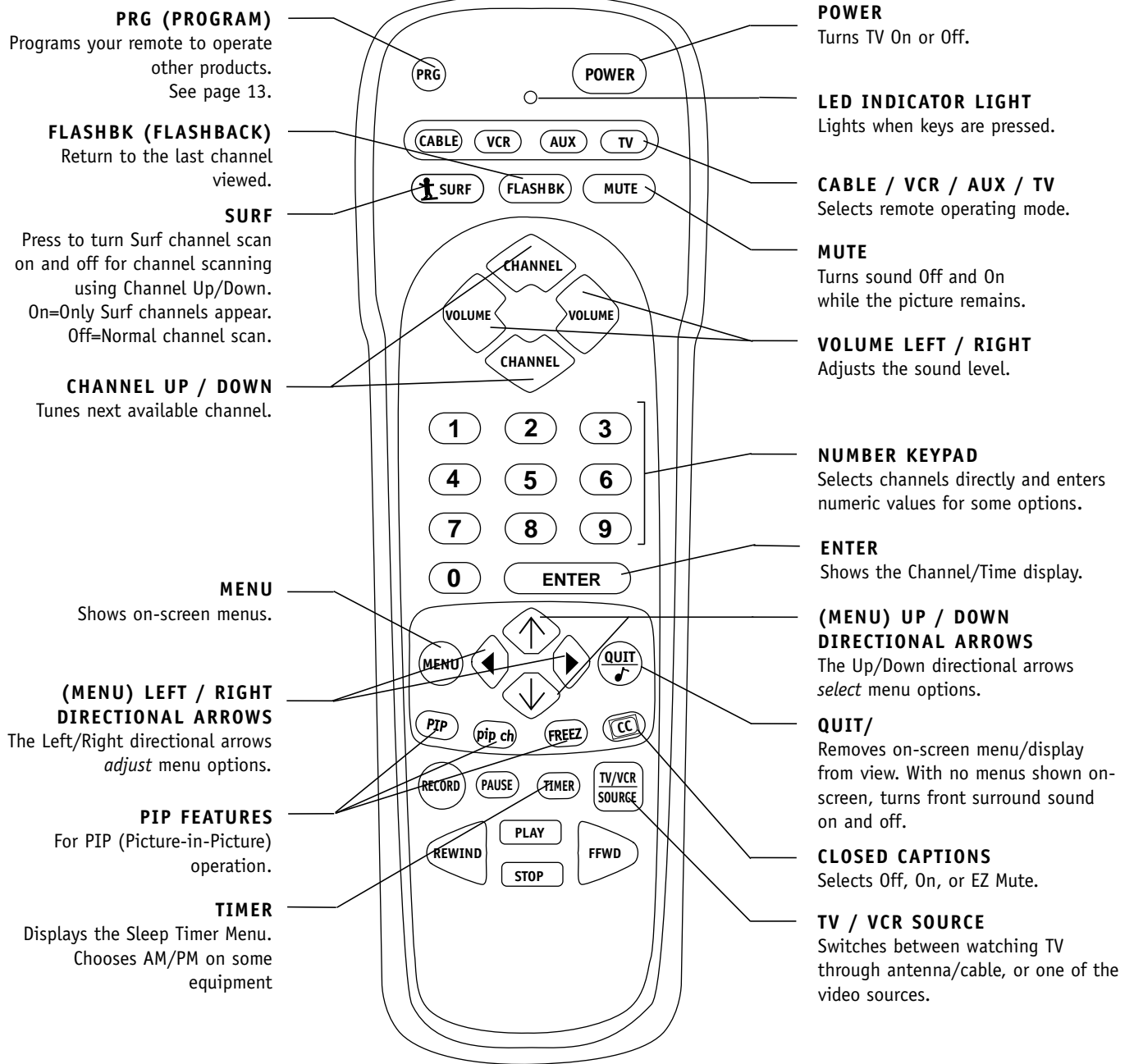
References: MBR3458CT, 124-233-06 and µP 221-1445-02

Some of the functions shown above may not be available on your equipment.

REMOTE CONTROL KEY FUNCTIONS (FOR TYPICAL ANALOG TV)

Note: Pressing TV puts remote into TV operating mode

A list of the keys on your remote and what they do in TV mode, see previous page for remote key functions in the other operating modes



Keys dedicated to VCR functions will still operate your VCR while the remote is in TV mode.

remote control part number
MBR3458CT
(124-233-06)

ON-SCREEN MENUS AND DISPLAYS

AVAILABLE MENUS

These are the Main Menus available:

Source Menu, Setup Menu, and Video Menu. There is also a Source/Time Display.

Source Menu - selects the picture source for the PR0895X: Video, S-Video, or RGB.

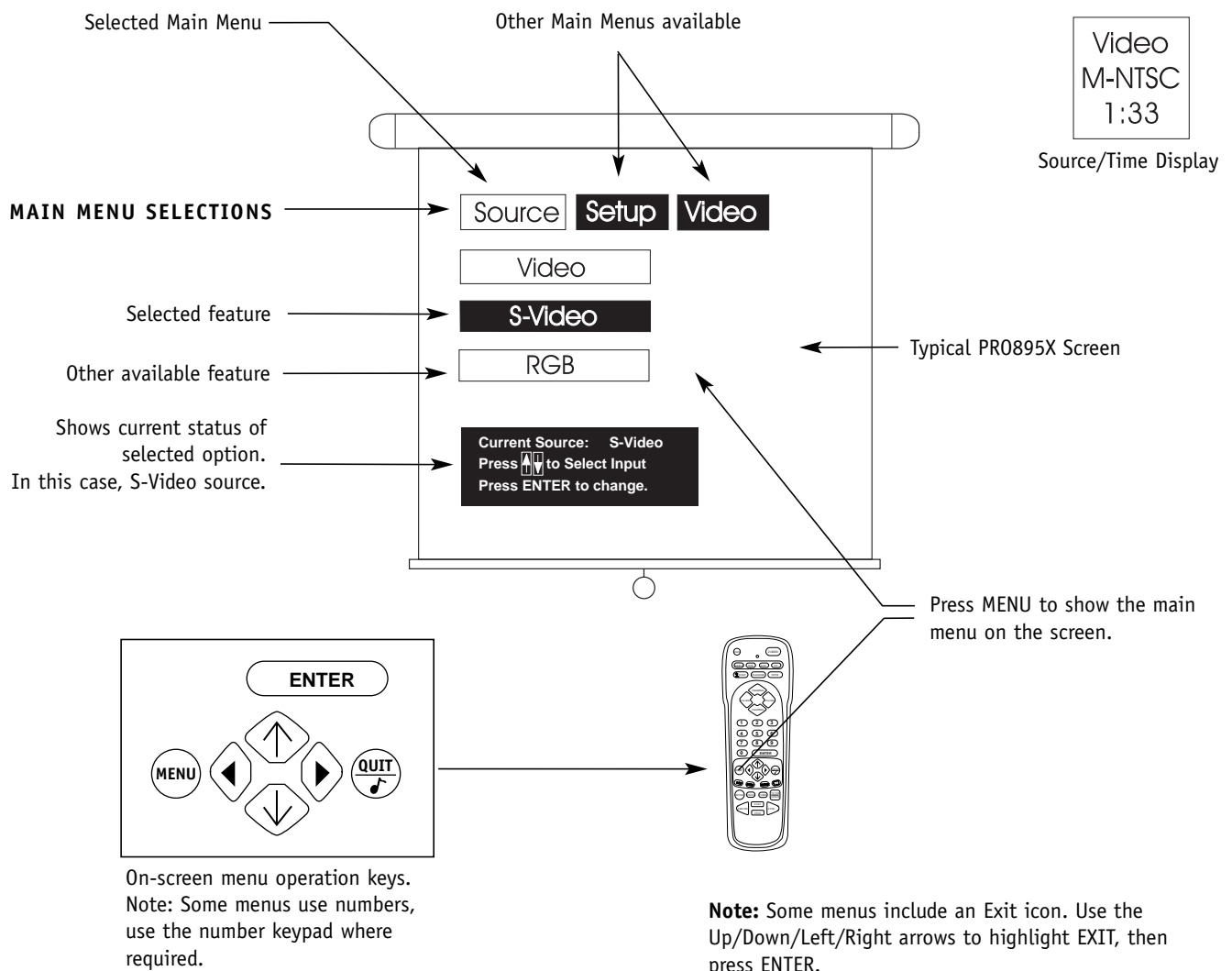
Setup Menu - sets up the PR0895X features.

Video Menu - modifies video options for personal preference viewing.

Source/Time Display - checks Current Source, Signal Standard, and Time if the clock is set.

BASIC MENU OPERATION (Selecting and Adjusting Menu Features)

Press TV on remote control. Point remote at screen. Press MENU to show the main menu on-screen. Press MENU repeatedly to sequence through the available menus, press ENTER to select a menu when it is highlighted. Use the Up/Down/Left/Right arrows to select and adjust or change the options, press ENTER when required as shown on the menu. Press QUIT to remove menus from screen, or wait a short period of time and the menu will disappear by itself.



SOURCE MENU

AVAILABLE MENU OPTIONS

Use to select video source. There are three menu options available: Video, S-Video, and RGB.

Video

Displays image from composite video equipment connected to the Video input jack.

S-Video

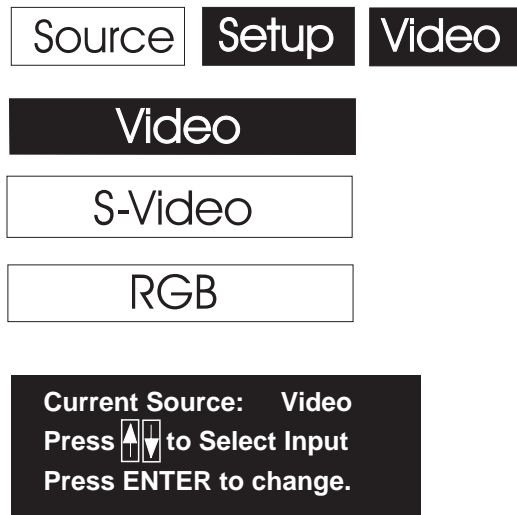
Displays image from S-Video equipment connected to the S-Video input jack.

RGB

Displays image from equipment connected to the R, G, B, H/V Sync and V Sync input jacks.

Notes:

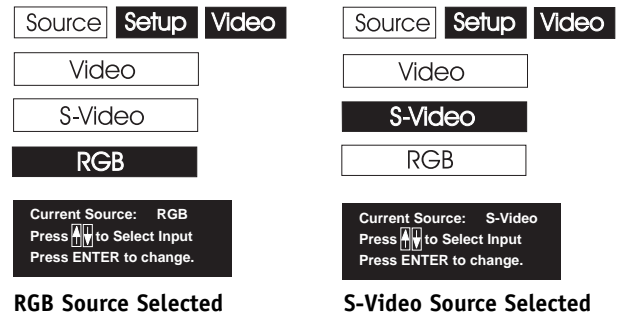
- The PR0895X does not provide any sound (Audio) for equipment connected to it. Connect equipment like a VCR or DVD Player to a separate audio output source.
- "Switcher" units are also commercially available that can be used to connect additional video sources to the PR0895X.



CHANGING INPUT SOURCE

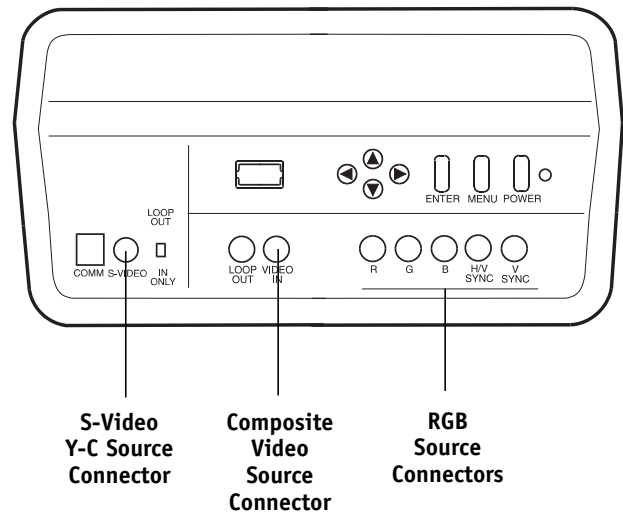
Press TV. Point remote at PR0895X screen. Press MENU repeatedly to highlight the Source menu icon, press ENTER. Use the Up/Down arrows to select the desired source rectangle: Video, S-Video, or RGB, press ENTER to get to the newly selected source.

The PR0895X will then switch to the newly selected video source, whose image will appear on the PR0895X screen.



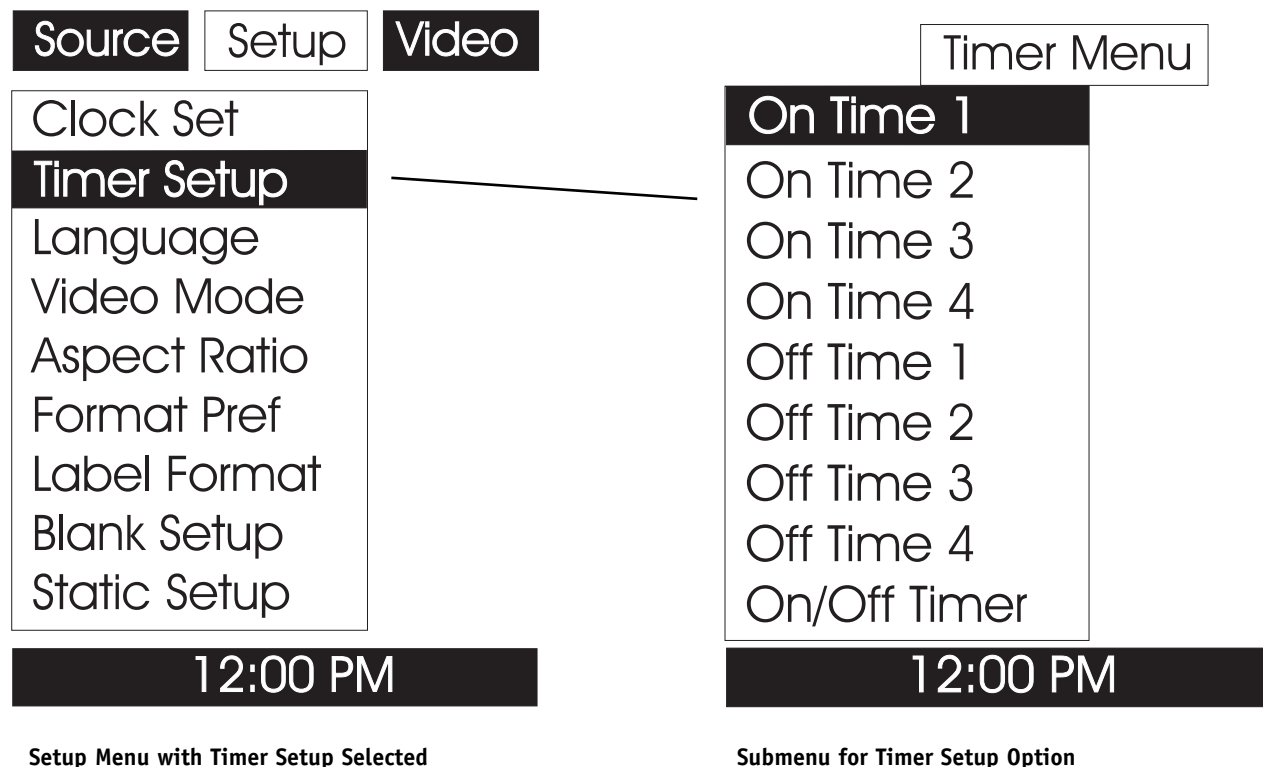
INPUT SOURCES

The above descriptions for input sources refer to the equipment connected to these input jacks on the PR0895X connection panel.



SETUP MENU

Use the Setup Menu to fine-tune the PR0895X to your personal preferences and video sources' particular requirements



SETUP MENU OPTIONS

Note: See the following pages for more detailed descriptions of the options listed below.

Clock Set

Sets the PR0895X internal clock.

Timer Setup

Sets up the timer for the PR0895X to turn On and Off at preset times.

Note: Timer Setup only appears if the clock has been set.

Language

Chooses English, Spanish, French, or German for on-screen menus.

Video Mode

Selects signal broadcast standard when a Video or S-Video source is selected.

Aspect Ratio (Picture Proportion)

Changes shape into which image is projected.

Format Pref (Preference)

Switches between factory setups and customer setups for certain input formats.

Label Format

Identifies Source's Format.

Blank Setup

Adjusts blanking on Left/Right/Top/Bottom and Horizontal and Vertical Center of video image.

Static Setup

Adjusts red and blue over green color convergence alignment in the center of video image.

SETUP MENU

Clock Set

To set the time on the clock, press MENU repeatedly until the Setup menu is highlighted. Use the Up/Down arrow to select Clock Set. Use the Left/Right arrows, or the number keypad as required to set the current time, to set AM/PM use the TIMER key.

Source Setup Video

Clock Set

Timer Setup
Language
Video Mode
Aspect Ratio
Format Pref
Label Format
Blank Setup
Static Setup

12:00 PM

Timer Setup (Timer Menu only appears if clock is set)

Set On/Off Time

The On/Off Timer can be programmed with up to 4 turn-on times and up to 4 turn-off times. Use the same method to set the Timer that was used to set the clock.

Example Typical Timer Daily Commercial Usage Setup

Program the PR0895X to turn itself On at the beginning of the work day, 9:00 am. When the staff goes to lunch at 12:00 pm, set it to turn Off until they return.

Program the PR0895X to remain On until 5:00 pm. After dinner, set the PR0895X to turn On and remains On until 10:00 pm. The On/Off Timer could also be disabled Friday afternoon for the weekend and enabled Monday morning, ready for the next work week.

Enable/Disable On/Off Timer

Retains, but temporarily disables On/Off Timer settings. For example, you may want to enable the On/Off Timer Monday - Friday, but disable the On/Off Timer Saturday and Sunday. When you return on Monday you would then enable the On/Off Timer.

Timer Menu

On Time 1

On Time 2

On Time 3

On Time 4

Off Time 1

Off Time 2

Off Time 3

Off Time 4

On/Off Timer

9:00 AM

SETUP MENU

Language

Chooses English, Spanish, French, or German for the PR0895X on-screen menus. Once you select a new

language, the on-screen menus will appear in that language.

Note: The word Language always appears in English.

Video Mode

Selects broadcast signal standard. You can change the signal standard manually or have it selected automatically.

The following are signal standards for the U.S.A. and other countries.

Manual Modes

M-NTSC, M-PAL, N-PAL, BG-PAL, NTSC 4.43

Automatic Modes

Americas' standards — Auto: M-PAL/N-PAL/NTSC

Europe's standards — Auto: BG-PAL/NTSC

Broadcast Standards/Geographical Area

M-NTSC — U.S.A., Canada, and Mexico

M-PAL — South America

N-PAL — South America

BG-PAL — Europe, China

NTSC 4.43 — Europe

Note: If you select one of the Automatic modes for your country, the PR0895X selects the broadcast standard from among those shown.

Aspect Ratio (Picture Proportion)

Use to change the shape into which the source's image is projected. If the projected image from a particular source appears distorted, then you have the option to select a different aspect ratio for that source.

One or more of the video sources may have a different aspect ratio than other video sources. In this case, change the Aspect Ratio to the appropriate configuration for the video source's image.

Preset Image Aspect Modes

4 x 3 — Standard TV/VCR picture proportion.

Letterbox — 4 x 3 picture proportion with the top and bottom screen blanked out to form a 16 x 9 image. This mode can be used with certain laser discs in this signal format.

16 x 9 — 16 x 9 picture dimension is used by digital video disc players and certain other wide screen formats.

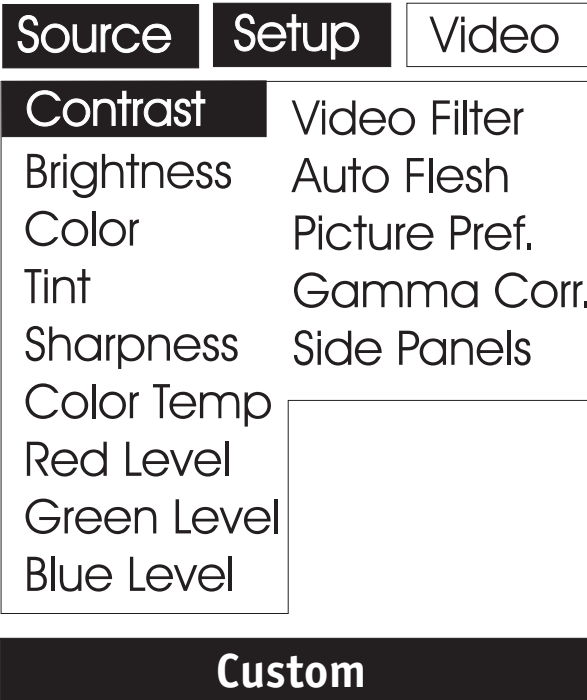
Compressed — 16 x 9 picture dimension with a 4 x 3 video image in the center of the screen. Left and Right sides are filled with gray level video referred to as Side Panels. Useful when watching normal VCR output on a 16 x 9 screen. (Available with Video and S-Video only.)

Compressed Image Adjustable Side Panels

Black to White Adjustment

From the Setup Menu, select the Aspect Ratio option. Select Compressed as the Aspect Ratio.

In the Video Menu, select the Side Panel darkness you prefer, from the blackest black, (0) to the whitest white, (100).



Note: The Side Panels option appears on the Video Menu only if Compressed is selected as the Aspect Ratio on the Setup Menu.

SETUP MENU

Format Pref (Preference)

Switches between factory setups and customer-defined setups for those formats pre-aligned at the factory.

Available Format Preferences

Preset	10 Formats	Preset factory-aligned settings formats. (Not adjustable.)
Custom	10 Formats	Customer-aligned settings of standard Preset factory-aligned formats.
Customer	5 Formats	Customer defined formats and customer aligned setup settings.

Note: Use Status on-screen display to identify current format. See "On-Screen Menus and Displays section."

New Formats, Not Recognized by the PRO895X

When you hook up a new video source whose unique signal "format" is not recognized by the PRO895X (the new video source may have video characteristics that are not "preset" as one of the 10 formats by the factory), the

PRO895X will ask if you would like to save those settings as a new format. You can use one of the 5 Customer format slots available, which are not preset at the factory. Typical Format Titles: VGA300, VGA350, VGA480.

After you store the new format (when the new video source becomes the source of the image on the PRO895X screen), the PRO895X remembers and defaults to that setting when you choose that new video source as the image source.

New Formats, Recognized by the PRO895X

The newly connected video source's format will probably be recognized as one of the 10 PRO895X "Preset" factory aligned settings. If you wish to change any of those settings, like Contrast or Tint, the factory "Preset" aligned settings format becomes a "Custom" format (with user defined settings). The PRO895X defaults to the "Custom" Format Pref (Preference) when you choose the new video source as the image source.

Label Format

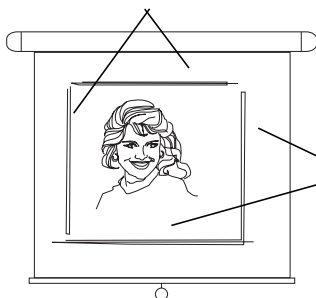
Identifies the format used on video image source. Personalize the video source format by assigning a name to identify the format used on each video input source. Example of format labels: DVD, VCR 1, MAC II.

Source	Format
Video In	DVD — A DVD player is connected to the Video Input jack and the format used is named DVD.
S-Video	VCR 1 — An S-Video VCR is connected to the S-Video input jack and the format used is named VCR 1.
RGB	MAC II — A computer is connected to the RGB input jacks and the format used is named MAC II.

Blank Setup

This setup should be preset by system installer. Occasionally if you connect a new video source to the PRO895X, the video Blanking and the V and H Phase may require adjustment.

Blanking Top/Left
Covers up undesirable images such as these:

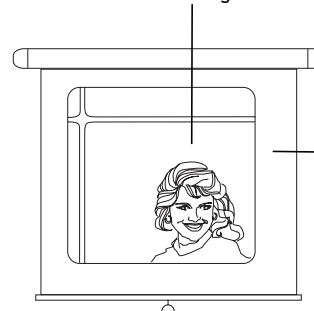


Blanking Bottom/Right
Covers up undesirable images around edges such as these:

Blanking — "covers up" undesirable images at the extreme edges of the picture.

Phase — moves the scene or picture (Up/Left/Down/Right) within the projected image area.

Phase
Centers Image.



Projected Image Area
Note: Picture shown is not centered, it is too far down and to the right.

Continued on next page

SETUP MENU

Blank Setup (Continued)

Separate menus are available for adjusting the Top/Left and Bottom/Right of the projected image as well as the Phase.

To adjust any option, see page 21 for basic menu operation.





(Blank Setup is normally adjusted by the installation technician; usually no additional changes are needed.)

Notes:

- If you make changes to any option, you will be asked to save them to the currently selected format. If the format is unknown, store it as a new customer format.

Adjusting:
Top/Left Blanking
Bottom/Right Blanking
Vert./Horiz. Phase

Press MENU for next adjustment.

Press     to change setting.

V Phase = 1044 H Phase = 124

Static Setup (Red, Blue, Green Convergence)

Occasionally the red, blue, and green images go out of convergence. In the Static Setup Menu you will see a menu similar to the one shown at the right. Ideally, the convergence is correct when the bars in the center of the menu are white.

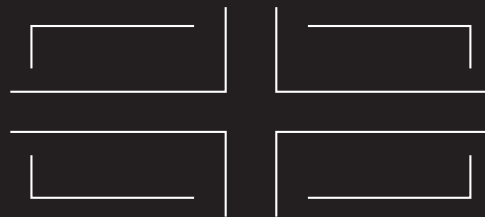
Adjusting Convergence

Use the Up/Down/Left/Right arrows to converge Red and Blue. You want to adjust each color so that the center area of the bars is white. With the highlight on either the Adjusting Red or Adjusting Blue rectangle, press MENU. Move the color using the Up/Down/Left/Right arrows to align the color to the center of the bars. The green does not move; you are moving the Red and Blue over the green. When the bars are white, the convergence re-alignment is complete. Press QUIT to leave the menu.

Confirming Your Menu Changes

As indicated on the confirmation menu, press ENTER to confirm your changes and save them.

Use Arrows to Converge Red



Press MENU to Switch to Blue

VIDEO MENU

ADJUSTMENTS

Fine-tune settings for each video source. You can make changes to each option by moving the highlight to the desired option (Contrast, Brightness, Color, etc.) to select it. Once the option is selected, you can make changes by pressing the Left or Right directional arrows to change the option settings.

For example, with the highlight on the Contrast option, press and hold the Right arrow to increase the contrast. Or, press and hold the Left arrow to decrease the contrast.

Some options only offer either an On or Off choice or a fixed range of choices; see descriptions below.

The option changes will be reflected in the lower portion of the menu in the Option Status Display rectangle.

Press QUIT to exit the Video menu, save the changes.

Note: You may set the Video Menu options independently for each video source format.

Source	Setup	Video
Contrast	Video Filter	
Brightness	Auto Flesh	
Color	Picture Pref.	
Tint	Gamma Corr.	
Sharpness		
Color Temp		
Red Level		
Green Level		
Blue Level		
Custom		

Video menu if Color Temp is set to Custom.

VIDEO MENU OPTIONS

Adjustment	Adjustment Options or Range and Effect
Contrast	(0-100) Adjusts the overall light to dark characteristics of the picture.
Brightness	(0-100) Adjusts the brilliance of the picture from very dim to very bright.
Color*	(0-100) Adjusts the intensity of the colors in the picture.
Tint*	(0-100) Adjusts the flesh tones to more green or red.
Sharpness*	(0-100) Adjusts the clarity of the edges around objects for the clearest picture quality.
Color Temp Red Level Green Level Blue Level	(Custom- Red Level, Green Level, Blue Level/3200K/6500K/9300K) Changes the color "temperature" or picture white balance between cooler natural whites and warmer red colors. There are three preset color temperatures and one custom setting. When the custom setting is selected, three options to set the relative red level, green level, and blue level appear. These settings define your customized color temperature.
Video Filter*	(Off/Low/Medium/High) Reduces video noise or interference in the dark picture areas resulting in a clearer overall picture.
Auto Flesh*	(Enabled/Disabled) Maintains natural skin tones in changing scenes and video source conditions.
Picture Pref. (Preference)	(Custom/Preset/Theater) Lets you use your own Custom video settings, the factory preset video settings or the factory preset theater video settings. The theater settings are preset to provide optimum visual performance in low-light "theater-like" conditions.
Gamma Corr.	(Off/Low/Medium/High) The Gamma Correction option limits the intensity of the peak whites. Use as the starting point for Gain change. Limit how high the peak whites will get to prevent defocusing and loss of shape or definition.
*These options will not be available when RGB is the selected picture source. Note: Any changes to the above when Picture Pref. is in the Preset or Theater modes will automatically make the current settings your new custom settings.	

VIDEO MENU

RGB Source Special Adjustments

(Normally adjusted by the installation technician; usually no additional changes are needed.)

For the RGB Source only, the Clamp Pulse is set at Auto Select by the factory.

Auto Select determines the pulse of the RGB input video source and automatically chooses the appropriate setting.

Adjustment to the Clamp Pulse may be necessary under certain conditions: When an erroneous background color is being produced by extremely wide horizontal signal pulses, When the image is accompanied by "banding," When the

image is "splotchy," When the image is too green, or when the image is too dark.

The Clamp Pulse is initially set to Auto Select. You can choose to set it at Back Porch or at Sync Tip.

If you change the equipment connected to the input jack of the RGB video source, adjust the Clamp Pulse for the new RGB video source. Set at Auto Select, Back Porch, or Sync Tip, whichever produces the best image and minimizes signal degradation.

Adjustment	Adjustment Options or Range and Effect
Clamp Pulse,	Sets the position of the clamping signal for the video. The options are to clamp on the Back Porch or the Sync Tip, or to Auto Select between the two based on the format input.
Sync Inputs	Determines if a 75 ohm termination should be made to the H Sync and V Sync inputs. The options are either Terminated or Not Terminated.
Sync Mode	Selects a special type of studio composite sync when such a signal source is used on the H Sync input. The default setting is for Normal Analog/TTL. Switch to Special Composite when using the studio sync source.

MAINTENANCE AND TROUBLESHOOTING

CARING FOR YOUR HD PROJECTION DISPLAY

Your HD Projection Display will look better, have a longer life and perform better if you care for it properly.



First check to see that the PR0895X is off. For added safety, disconnect AC power to the PR0895X.

Note: If you unplug your PR0895X, you will have to reset the clock to the current time.

CABINET CARE

Non-Wood Cabinet or Cabinet Components. Moisten a soft cloth with a mild soap solution. Wipe the surface with a damp cloth. Then rinse the cloth in clean water and wipe the surface again. Allow the PR0895X to air-dry before turning it on.

LENS CLEANING

When the lenses of your HD Projection Display need cleaning, be sure to follow these directions so you do not damage or scratch the optical coating on the lenses:



- Do NOT spray any type of fluid directly on the lenses' surface.
- Use a soft cotton cloth (cotton diapers laundered several times to remove sizing) or a soft facial tissue.
- Do NOT use any type of aerosol cleaner.
- Do NOT use dry material, such as paper, tissue or a dry cloth to clean the lenses.

Moisten the soft cloth or tissue with warm water and gently wipe the surface of the lens.

Note: The lenses are easily damaged. Avoid accidental contact with them.

EXTENDED ABSENCE

Before an extended absence (such as a vacation) you may want to disconnect AC power to your PR0895X. This will protect the HD Projection Display from possible damage from lightning or power line surges. For added safety, you may want to disconnect all video equipment currently connected to the PR0895X.

Note: If you unplug your PR0895X, you will have to reset the clock to the current time.

PICTURE INTERFERENCE

Your picture may be affected by interference caused by one or a number of factors, including:

Speckled or Streaked Picture - Can be caused by nearby automobile ignition, electrical appliances, etc. This is most noticeable when there are loose connections to the unit.

Snow in Picture - Caused by insufficient signal - possibly when the video cable is too long or broken, or has an intermittent ground return.

MAINTENANCE AND TROUBLESHOOTING

BEFORE CALLING FOR SERVICE

Use the following chart to identify operating problems. You may save a service call charge if the problem can be identified as a simple switch set improperly.

Note: Problems not listed here may be installation related, see Installation Guide. Refer problem to Installer/Maintenance personnel.

PROBLEM IDENTIFICATION CHART

Problem	Possible Cause
No image on screen.	Source turned off? No signal? Weak signal? Cables loose or broken?
Remote does not work on screen menus.	Using wrong remote control? Use only Universal remote. Remote in wrong mode? Batteries weak? Wrong battery polarity? Remote not pointed at PR0895X screen? Wrong source selected?
Colors misaligned.	Format wrong for current source selected? Static Setup needs adjustment?
Image appears distorted.	Aspect Ratio setup wrong for source selected?
Image appears in black and white.	Wrong broadcast standard selected? Black and white signal? Weak signal from broadcasting station? Cables broken or loose?
VCR cannot be controlled.	Remote in TV mode? Remote not pointed at VCR? VCR cannot be controlled by remote? Remote batteries weak? Did you use AutoFind option to program remote for VCR? VCR not IR controlled? VCR turned off? VCR in Timer mode?
Sleep Timer does not function.	Sleep Timer status set to Off?
PR0895X turns off.	Sleep Timer turned On? Off Timer active? Power failure?
PR0895X does not turn Off at preset time.	On/Off Timer disabled?
Aspect Ratio, Format Pref, Label Format and Blank Setup options are not available on Setup Menu.	Stable incoming signal is not available on selected source, or signal format is not in a format recognized by the PR0895X. No equipment connected to selected source.
Image looks "Washed Out."	Loop Out/In switch set on wrong position?

RGB SOURCE PROBLEMS

Problem	Possible Cause
Video mode not available on Setup Menu.	Video mode only available on Video or S-Video Source.
Image is too green. Image has "banding" Image is "plotchy." Image is too dark.	Clamp Pulse may need adjustment.

Your Zenith PR0895X HD Projection Display Warranty

HD Projection Monitor Welcome to the Zenith family! We believe that you will be pleased with your new Zenith PR0895X. Please read this warranty carefully, it is a "ONE-YEAR LIMITED WARRANTY" as defined under Federal Law. This warranty gives you specific legal rights, and you may also have other rights that vary from state-to-state within the U.S.A.

ZENITH'S RESPONSIBILITY

- Service Labor** During a period of one-year from effective warranty date, Zenith will provide service labor by a Zenith authorized Pro A/V service center when needed, as determined by the Zenith authorized Pro A/V service center, as a result of manufacturing defects.
- Parts** New or remanufactured replacements for factory-defective parts will be supplied by a Zenith authorized Pro A/V service center for one-year from effective warranty date. Such replacement parts are warranted for the remaining portion of the original warranty period.
- On-Site Service** Whenever possible, warranty service will be provided where the PR0895X is installed in the U.S.A. or Canada. (Some repairs may require the PR0895X to be taken by the servicer to the repair facility and returned, at no additional charge. The HD Display must be taken down from the ceiling for on-site service. Zenith or Zenith Service Centers are not responsible for de-installation or re-installation.)
- Not Covered** This warranty covers manufacturing defects and does not cover installation, adjustment of controls, or repair of home systems, cable converters or cable company-supplied equipment: it does not cover damage due to misuse, abuse, negligence, acts of God, or causes beyond the control of Zenith. Any alteration of the product after manufacture voids this warranty in its entirety.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ZENITH SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES OF ANY KIND, INCLUDING LOST REVENUES OR PROFITS IN CONNECTION WITH THIS PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

OWNER'S RESPONSIBILITY

- Effective Warranty Date** Warranty begins on the date of original installation. For your convenience, keep the dated bill of sale or delivery ticket as evidence of the purchase date.
- Operating Guide** Read your Operating Guide carefully so that you will understand the operation of your PR0895X and how to adjust the customer controls.
- Important** Product Registration—Please fill out and mail your Product Registration Card. It is imperative that Zenith know how to reach you promptly if we should discover a safety problem that could affect you.
- Warranty Service** For warranty service information, call **1-888-865-3026**. Parts and service that are Zenith's responsibility (see above) will be provided without charge. Other service is at the owner's expense. If you have any problem in obtaining satisfactory warranty service, call or write the Zenith Information Center. You must provide the model number, serial number and date of purchase or date of original installation. Before you ask for warranty service, read "Maintenance And Troubleshooting" in your operating guide. You might avoid a service call.

ZENITH ELECTRONICS CORPORATION
Customer Information Center
201 James Record Rd., Building 3
Huntsville, AL 35824

For 24-hour customer service call:

1-888-865-3026

www.zenith.com