5.0 Operation

Contents

5.1 Infrared (I/R) Technician Remote

Figure 5-1 shows the I/R Technician Remote Control keys with number callouts. Table 5-1 shows the functions and usage of each of the I/R Technician's Remote keys with reference to the number callouts from Figure 5-1. Where necessary, notes about key usage have been provided.

The IR remote has a maximum range of approximately 50' **line of sight** only. It also is not capable of transmitting effectively through a rear-screen window. For distances of 50', or greater, an optional IR Repeater and optional 100' or 150' cables are available. See Parts List, Section 9.0.

NOTE on using MULTIPLE REMOTES with MULTIPLE PROJECTORS:
When using multiple IR remotes with multiple projectors, the IR remotes must be configured to individualize each projector to respone to only one remote. This is accomplished by the use of DIP switches on the inside of the IR remotes. These DIP switches must be changed to correspond to the projector address the remote is controlling. Refer to Section 5.8 in this chapter for information on how to accomplish this.

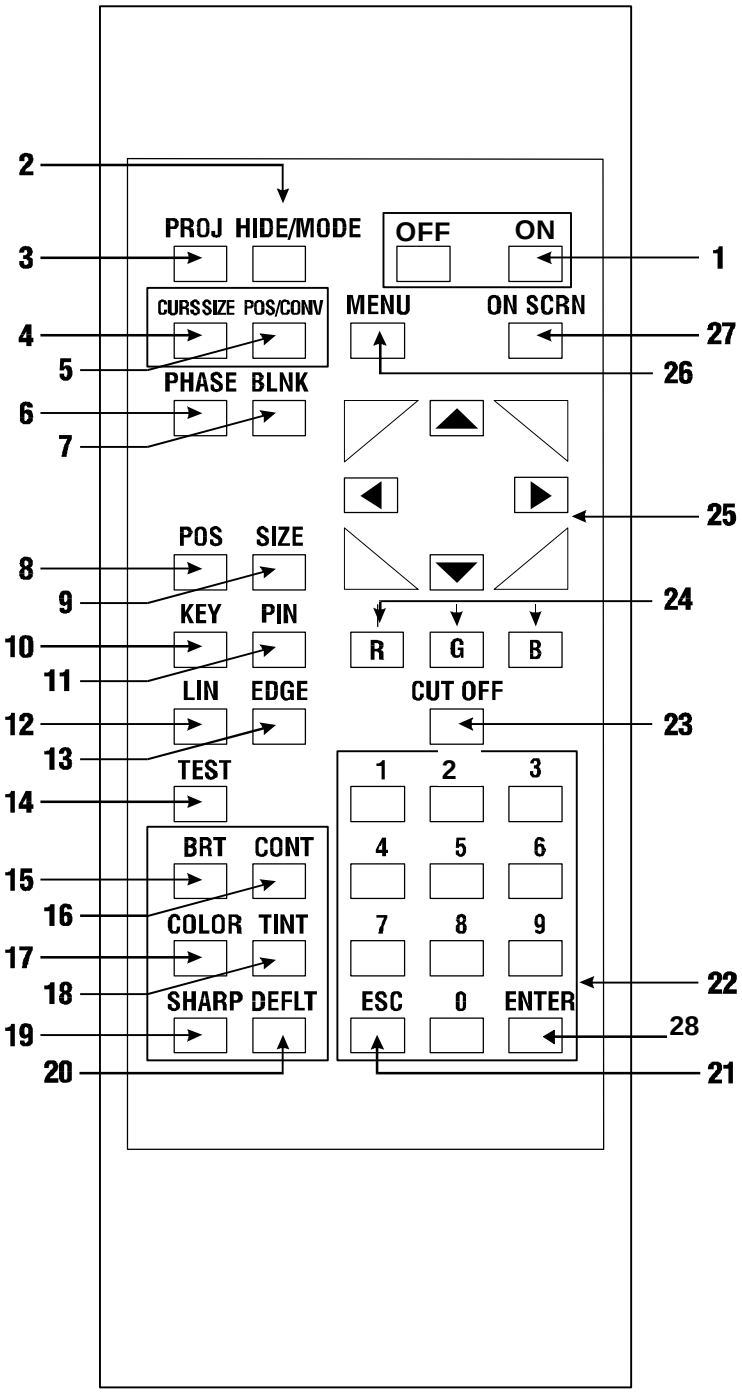


Figure 5-1. I/R Technician Remote Control. Number callouts refer to Table 5-1 for description of key functions.

Table 5-1. I/R Technician Remote Control Key Functions

KEY	FUNCTION	USAGE
1 POWER	Press ON to turn projector power on, and OFF to turn power off.	
2 HIDE/MODE	Dual-function key. In *Normal mode*, mutes video. In *Convergence mode*, toggles through convergence modes (X/Y Convergence, Threshold and Sensitivity).	
3 PROJ	No current function.	Reserved for future use.
4 CURS SIZE	Select Convergence cursor size. *Note: Convergence data from smaller cursor is lost when larger cursor size is selected.*	Press **CURS SIZE** + direction arrows to toggle through available cursor sizes.
5 POS/CONV	Position/Convergence data key. Change cursor position or display convergence data.	Press key once to enter *Position* mode. Press key second time to enter *Data* display mode.
6 PHASE	Horizontal and vertical Phase adjustment of the input image on the CRT raster.	Press **PHASE** + Left/Right arrow keys to set phase.
7 BLNK	Blanking. Adjusts blanking levels at image edges.	Press **BLNK** + arrow keys to alter blanking position. Each press of **BLNK** key changes the active edge (top, bottom, left, right).
8 POS	Position. Adjusts image raster horizontally and vertically on the screen.	Press **POS** + Left/Right or Up/Down arrow keys to adjust raster horizontal and vertical position on screen.
9 SIZE	Adjusts projected image height and width on screen.	Press **SIZE** + direction arrows to adjust picture height and width.
10 KEY	Keystone. Horizontal and vertical keystone correction for grid line distortion at the sides or top and bottom of an image with respect to the center line.	Press **KEY** + Left/Right or Up/Down arrow keys to correct for horizontal and vertical keystoning.
11 PIN	Pincushion. Vertical and horizontal pincushion correction for distortion at the sides or top and bottom of an image.	Press **PIN** + direction arrows to correct both vertical and horizontal pincushion distortion.
12 LIN	Linearity. Horizontal linearity correction for improper horizontal grid spacing on an image.	Press **LIN** + Left/Right direction arrows to correct for horizontal linearity distortion.
13 EDGE	Edge Linearity. Horizontal edge linearity correction for improper grid spacing at the sides of an image.	Press **EDGE** + Left/Right direction arrows to correct for edge linearity distortion.
14 TEST	Displays test pattern selection menu.	Press **TEST** + Number of test pattern to select.

15 BRT	Brightness. Adjust the brightness level until the black portions of a projected image are black, but detail in color balanced areas is not lost.	Press **BRT** + Up/Down direction arrows to set brightness level.
16 CONT	Contrast. Change the amount of image intensity. If image defocusing or loss of detail occurs, decrease either contrast or brightness, or both.	Press **CONT** + Up/Down direction arrows to set contrast level.
17 COLOR	Controls the color intensity of the video image. If the image appears *too pale* or *weak*, increase color level. If *flushed* or *too bright*, decrease color level.	Press **COLOR** + Up/Down direction arrows to set color level. Active only when the input is Composite or S-Video.
18 TINT	Controls the hue of the video image. If facial tones or objects appear *too green*, increase tint. If *too purple*, decrease tint.	Press **TINT** + Up/Down direction arrows to set tint level. Active only when the input is Composite or S-Video.
19 SHARP	Sharpness. Controls the sharpness of the video picture. If the image appears *soft*, increase sharpness. If *grainy*, decrease sharpness.	Press **SHARP** + Up/Down direction arrows to set sharpness level. Active only when the input in Composite or S- Video.
20 DEFLT	Default. Returns all picture control to technician-set default values.	
21 ESC	Cancels last command and retreats one menu level.	
22 Input **0 - 9** keys	Selects the input signal channel and makes Menu selections.	
23 CUT OFF	Cuts off color channel, one color at a time. To cut off all three colors, use **HIDE/MODE**	Press **CUTOFF + R, B** or **G**.
24 RGB keys	Color channel selection.	If color is cut off, press CUTOFF and color key.
25 Direction arrows	Used for increasing and decreasing control levels, cursor movement and convergence adjustments.	
26 MENU	Toggles on/off Main Menu display.	Press once to display Main Menu, second time to hide Main Menu.
27 ON SCRN	Toggles on/off the "on screen" information display.	
28 ENTER	Implements commands.	

5.2 Tethered Technician Remote

The Tethered Technician Remote is almost identical to the I/R technician remote, with the addition of a 20 X 4 character display at the top of the unit (*Figure 5-2*). Power on/off for the tethered remote is toggled by pressing ***both*** Power buttons simultaneously. The Tethered Remote comes with a 25' cable. Optional cables of 50' or 75' lengths are available.

Use the tethered remote exactly as you would the I/R Technician Remote to control the Series 300 Projector during checkout.

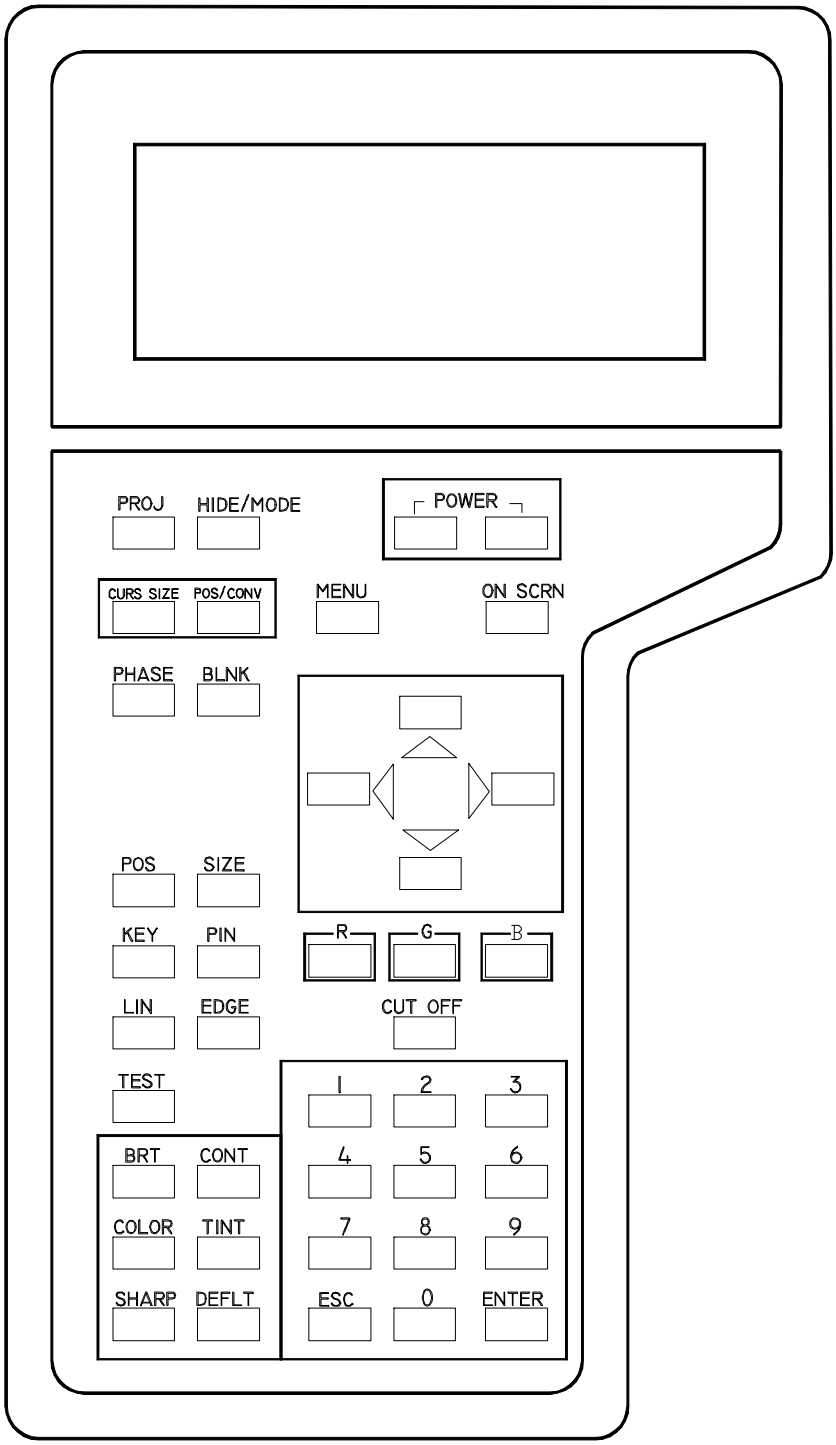


Figure 5-2. The optional Tethered Technician Remote has the same key functions and orientation as the I/R Technician Remote except for the requirement of pressing the ON and OFF keys together to turn power on and off and the addition of a display.

5.3 Infrared (I/R) Executive Remote

Use the I/R Executive Remote to control the Series 300 Projector during presentations (*Figure 5-3*).

With the Executive remote, a user can **temporarily** override the following picture settings:

Brightness
Contrast
Tint
Sharpness
Color

The technician-set default settings for the picture setting values are instantly restored when you press the **DEFLT** key on the remote.

Using the Executive remote, the user cannot access any of the menus, electronic image adjustments or convergence settings. These values are set by a technician at projector checkout and cannot be altered during normal projector use.

To select a channel with the Executive remote, just press the number of the channel you want and press **ENTER**.

If you accidentally enter the wrong channel number, press **UNDO** to return to the previously selected channel.

The Up/Down arrow keys are for use with the picture setting values and will not change the channel selection.

Figure 5-3 shows the I/R Executive Remote keys and Table 5-2 provides a description of the key functions.

NOTE: For distances of 50', or more, an optional IR Repeater is available as well as optional cables in lengths of 100' or 150'. See Parts List Section 9.0.

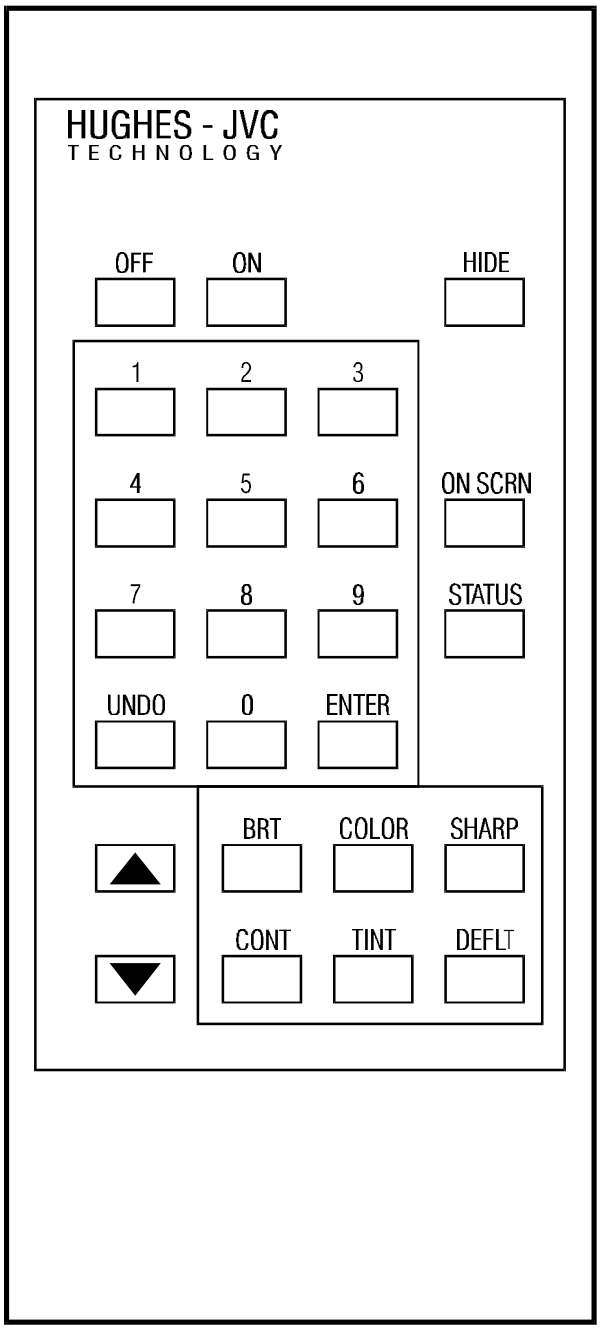


Figure 5-3. The I/R Executive Remote Control. *See Table 5-2 for a description of the key functions.*

Table 5-2. Executive Remote Control Key Functions

KEY	FUNCTION	USAGE
OFF/ON	Turns projector power on and off.	
Input **0 - 9** buttons	Input channel selection.	Press channel # + ENTER.
UNDO	Undo command. Cancels channel selection.	
Up/Down arrows	Increases and decreases picture setting values. Not used for channel selection.	
CONT	Contrast. Temporarily changes the amount of image intensity. If image defocusing or loss of detail occurs, decrease either contrast or brightness, or both.	Press **CONT** + Up/Down direction arrows to set contrast level.
BRT	Brightness. Temporarily adjusts the brightness level until the black portions of a projected image are black, but detail in color balanced areas is not lost.	Press **BRT** + Up/Down direction arrows to set brightness level.
TINT	Temporarily controls the hue of video image. If facial tones or objects are *too green*, increase tint. If *too purple*, decrease tint.	Press **TINT** + Up/Down direction arrows to set tint level. Active only for Composite or S-Video.
COLOR	Temporarily controls the color intensity of video image. If the image appears *too pale* or *weak*, increase color level. If *flushed* or *too bright*, reduce color level.	Press **COLOR** + Up/Down direction arrows to set color level. Active only for Composite or S-Video.
DEFLT	Default. Returns all picture settings to technician-set default values.	
SHARP	Sharpness. Temporarily controls the sharpness of the video picture. If the image appears *soft*, increase sharpness. If *grainy*, decrease sharpness.	Press **SHARP** + Up/Down direction arrows to set sharpness level. Active only for Composite or S-Video.
ENTER	Enters input channel selection.	Press channel # + ENTER.
STATUS	Provides a quick look at input channel information (i.e., scan frequency, channel name, etc.)	
ON SCRN	Toggles on/off the "on-screen" information display.	
HIDE	Video mute.	

5.4 Keyboard Command Equivalents

The Model 360 can also be used with a VT-100 terminal or PC. Table 5-3 shows the keyboard equivalents. *See Appendix A for details*.

Table 5-3. Keyboard Command Equivalents

ACTION	KEYBOARD INPUT	EXECUTIVE REMOTE KEY EQUIVALENT	TECHNICIAN AND **TETHERED REMOTE KEY EQUIVALENT	HEX
Power ON/OFF	CTRL-P	ON/OFF	BOTH Power Keys	10
Electronics Power only	CTRL + E			05
Arc Lamp Power only	CTRL + L			0C
Power ON	CTRL + U	Power ON		15
Power OFF	CTRL + F	Power OFF		06
Video Mute/ Convergence Mode	V	HIDE	HIDE/MODE	56
Change Channel	Channel # + ENTER*	Channel # + ENTER*	Channel # + ENTER*	30-39 +OD
Convergence Mode Cursor Size	M		CURS SIZE	4D
Convergence Mode Position/Data	D		POS/CONV	44
Phase adjustment	H		PHASE	48
Picture Blanking	Z		BLNK	5A
Position adjustment	P		POS	50
Size adjustment	S		SIZE	53
Keystone correction	K		KEY	4B
Pincushion correction	N		PIN	4E
Linearity correction	L		LIN	4C
Edge linearity	E		EDGE	45
Test pattern display	T		TEST	54
Picture Brightness	I	BRT	BRT	49
Picture Contrast	C	CONT	CONT	43
Picture Color	A	COLOR	COLOR	41
Picture Tint	U	TINT	TINT	55
Picture Sharpness	X	SHARP	SHARP	58
Picture Setting defaults	CTRL+D	DEFLT	DEFLT	04
Back out of menu	ESC	UNDO	ESC	1B
Hide R, G or B	F		CUT OFF	46
RGB selection	R,G,B		R,G,B	R=52,B=42,G=47
UP Arrow	Up Arrow		Up Arrow	1B,5B,41***
DOWN Arrow	DOWN Arrow		DOWN Arrow	1B,5B,42***
RIGHT Arrow	RIGHT Arrow		RIGHT Arrow	1B,5B,43***
LEFT Arrow	LEFT Arrow		LEFT Arrow	1B,5B,44***
Access Main Menu	SPACEBAR		MENU	20
Screen display on/off	O	ON SCRN	ON SCRN	
Status	?	STATUS	MENU	3F

***** For channels with two numbers, pressing ENTER is not necessary.

****** Tethered remote keys are same as I/R remote except for requirement of pressing both POWER keys to turn power on/off *and* the addition of a display.

******* The arrow keys are a sequence of Escape, Left Bracket, and A,B,C, or D depending on the arrow key pressed. The first number represents the Escape key, the second number the left bracket, and the third number represents the letter corresponding to the Arrow key pressed.

5.5 Menu Structure

The Menu Structure is multi-level and allows you to access commands for checking out and operating the Series 300 Projector.

To display the Main Menu, press MENU on the remote control or press the spacebar on a terminal or PC. (**NOTE:** If another menu is already displayed on the screen, press ESC until the Main Menu appears.) The Main Menu is displayed on the terminal monitor and on the projected screen image. If using a PC to run the Series 300 Projector, you will be using a terminal emulation program such as ProComm or Windows terminal. *Refer to Appendix A, Communications Spec for more information.*

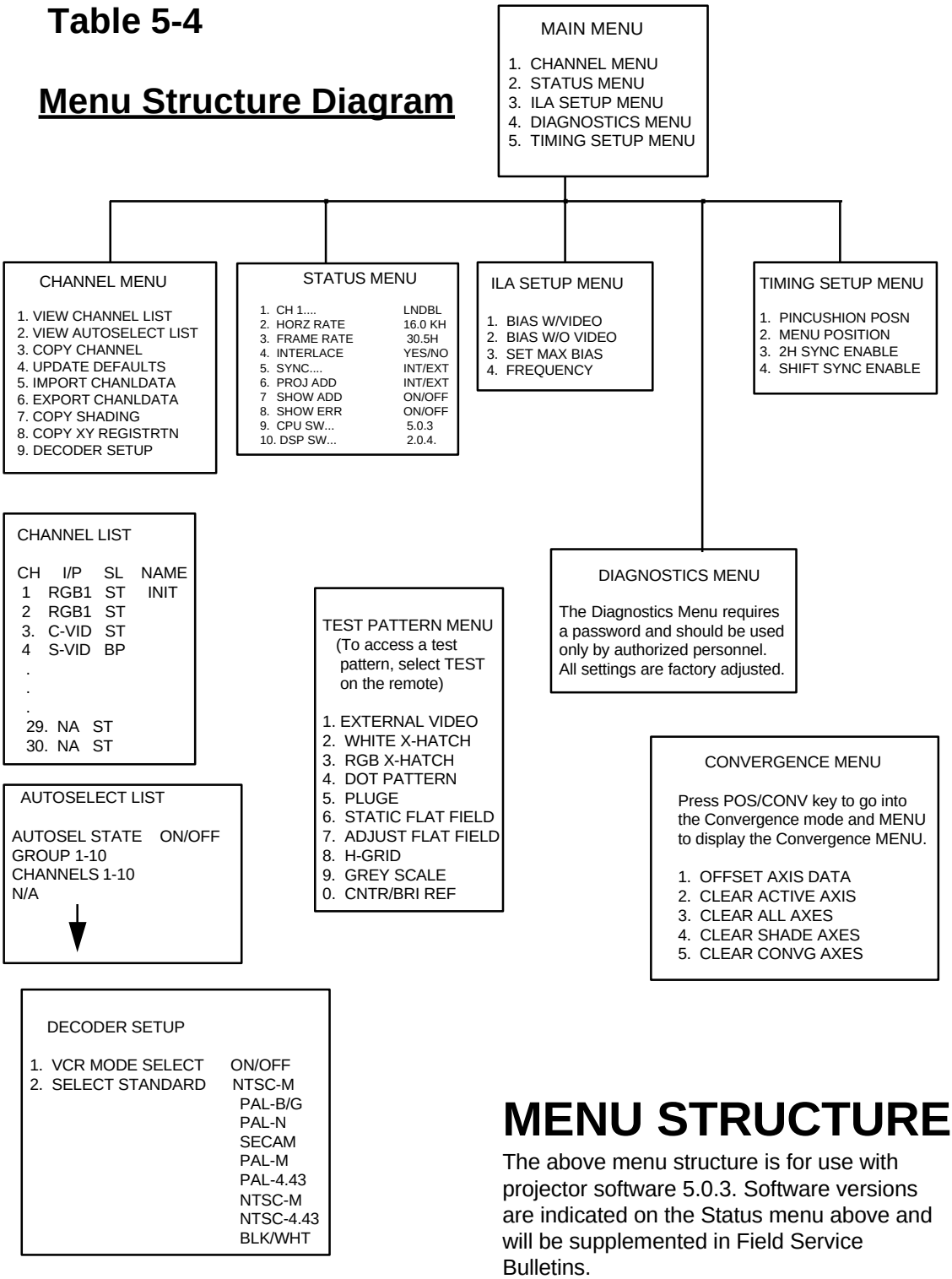
Menu screens will remain active for approximately 30 seconds, after which time the menu "times out" and is cleared from the screen. To issue a command, access the Menu (press MENU) and type the number of your selection or use the arrow keys to highlight the desired number and press ENTER.

Table 5-4 shows the Main Menu Structure and the sub-menus.

For a description of each menu item see Section 5.6.

Table 5-4

Menu Structure Diagram



MENU STRUCTURE

The above menu structure is for use with projector software 5.0.3. Software versions are indicated on the Status menu above and will be supplemented in Field Service Bulletins.

5.6 Menu Item Definitions

This section defines the menu items available through the Main Menu and submenus.

MAIN MENU

1. CHANNEL MENU---Displays the Channel Menu.
2. STATUS MENU---Displays the current status of the projector.
3. **ILA®** SETUP MENU---Displays **ILA®** SETUP Menu.
4. DIAGNOSTIC MENU---Displays the Diagnostic Menu.
5. TIMING SETUP MENU---Displays the Timing Setup Menu.

CHANNEL MENU

1. VIEW CHANNEL LIST---displays status of all active channels.
   CH---channel number
   I/P---input (RGB1, RGB2, Video, S-Video)
   SL---(BP:backporch, ST:sync-tip, TL:Tri-level)
   NAME---user-set channel name.
2. VIEW AUTOSELECT LIST---displays the current status of the AUTOSELECT function and allows operator to set up an AUTOSELECT group.
3. COPY CHANNEL---copies setup and convergence data from current channel to another channel. Shortens convergence and setup time for multiple sources.
4. UPDATE DEFAULTS---updates the Picture Settings defaults. Can be performed by the technician or tethered remote only. User can change these values *temporarily* with the Executive I/R remote.
5. IMPORT CHANLDATA---import setup data from computer to projector. Useful when servicing the projector. Store setup data in computer and import the data during setup.
6. EXPORT CHANLDATA---export setup data from projector to computer. Useful when servicing the projector.
7. COPY SHADING---Same as Copy Channel but copies only Threshold and Sensitivity Shading data from active channel to another channel.
8. COPY XY REGISTRTN---Same as Copy Channel but copies only XY Convergence data from active channel to another.

9. DECODER SETUP---Displays the Decoder Setup Menu.

STATUS MENU

1. CH. ##--Displays the current channel number and channel name.
2. HORZ RATE.--Displays horizontal scan frequency of input signal. ±5% accuracy.
3. FRAME RATE--Displays vertical scan frequency of input signal if non-interlaced, 1/2 vertical scan frequency if interlaced.
4. INTERLACE---shows if source is interlaced. If not, projected image is progressive scan.
5. SYNC---indicates whether internal or external sync is active.
6. PROJ. ADD.---projector address designation. Used to select a specific projector when several are in use. See Section 5.8 for specifics on how to use this feature.
7. SHOW ADD.---toggles adjustment data display on/off screen.
8. SHOW ERR.---toggles on/off display of error codes on screen.
9. CPU SW---Displays the CPU software version. Uses two Eproms.
10. DSP SW---Displays Digital Signal Processing software version. Uses three Eproms.

ILA® SETUP MENU

1. BIAS W/VIDEO(not normally used)---Sets **ILA®** bias *with* video on the screen.
2. BIAS W/O VIDEO---Sets **ILA®** bias video cut off.
3. SET MAX BIAS---Sets the RGB **ILA®** biases to 100% for easier projector positioning and lateral lens adjustment. Resets to original setting after pressing any key.
4. FREQUENCY---Sets the **ILA®** bias frequency. Normal is 2 KHz. The screen will get brighter with a lower bias frequency but will have lower resolution and possibly increased image lag. A higher bias frequency will result in higher resolution but with lower brightness and less image lag.

TIMING SETUP MENU

1. PINCUSHION POSN---Centers pincushion correction to image.
2. MENU POSITION---centers position of menus on the screen. Also centers Convergence and Shading correction position.
3. 2H SYNC ENABLE---Used to eliminate "flagwaving" seen at the top of the screen.
4. SHIFT SYNC ENABLE---Used to eliminate unstable images due to unusual input sync from source.

TEST PATTERN MENU

To select a test pattern with the remote, press TEST, followed by the test pattern number.

1. EXTERNAL VIDEO---Used to adjust PHASE, SIZE, POSITION and BLANKING.
2. WHITE-X-HATCH---Used for Convergence, Keystone, Pincushion, Pincushion Position and Linearity.
3. RGB-X-HATCH---Used for Convergence final adjustments.
4. DOT PATTERN---Used to verify G2 setting for RGB.
5. PLUGE---Used to set Black/White scale.
6. STATIC FLAT FIELD---Used to set Contrast.
7. ADJUST FLAT FIELD---Used for Threshold and Sensitivity Shading adjustments.
8. H-GRID---Used for Focusing
9. GREY SCALE---Used for Color Balance, G2 and Menu Position adjustments.
0. CNTR.BRI.REF---Used as a reference for Brightness and Contrast settings.

CONVERGENCE MENU-

Press POS/CONV, then MENU to display this menu.

1. OFFSET AXIS DATA---Sets the OFFSET value up or down for THRESHOLD and SENSITIVITY-moves entire screen up or down in brightness for the selected color.
2. CLEAR ACTIVE AXIS---Clears the active axis, (X-Y CONVERGENCE *or* THRESHOLD *or* SENSITIVITY) for the current mode and active color.
3. CLEAR ALL AXES---Clears ALL data for the active channel (X-Y CONVERGENCE *and* THRESHOLD *and* SENSITIVITY).

4. CLEAR SHADE AXES---Clears all shading data from the active channel.
5. CLEAR CONVG AXES---Clears all convergence data from the active channel.

5.7 AUTOSELECT

Introduction

A situation exists whenever a computer, or non-intelligent type switcher is used with video sources that have different scanning rates. In these instances the Autoselect feature can be used to tell the projector to change the memory channel to the channel that matches the input video scanning rates in order to optimize the on-screen video.

For example:

1. A single computer, capable of selecting between different scan rates, such as, DOS (31.5khz, 71.5Hz), VGA (31.5khz, 60Hz) or SVGA (48khz, 60Hz), is being used as a video source. This video output from the computer is then changed at the computer to an output with a different scan rate. The Autoselect feature can be set so that the projector switches automatically to the one correct memory channel that was previously set up in the projector for the different scan rate.

2. Another situation exists when operating with a non-intelligent type of switcher (one with no RS-232 capability to control projector switching). This type of switcher cannot send out a command to change projector memory channels. The Autoselect feature is capable of switching to the properly set up memory channel after the new source video is selected at the non-intelligent switcher.

The channel Autoselect feature allows the operator to assign various channels to Autoselect "groups". A Group is a number of channels (up to 10) assigned to one source-like a computer that has a number of different scan rates. One computer would be assigned to one group and another computer would be assigned to another group. A video switcher could be assigned to still another group. Up to 10 groups may be assigned in this way.

Autoselection operates in the following manner: Assume the projector is operating from a channel within an Autoselect group and the video input scan rate changes (such as when changing from DOS to VGA). That Autoselect group's channels are then searched for the one correct memory channel within that group that matches the new video source being received. When the matching channel is found, the projector will automatically switch

to that channel without any operator intervention. Also, whenever an operator selects a channel in a particular group, all the channels within that group are searched for a match to the incoming video source. The channel that matches the incoming video source is automatically selected without any operator intervention or knowledge.

User interface and Definitions

Under the "CHANNEL MENU" there is a menu labeled "VIEW AUTOSELECT LIST". Select this menu to view and edit auto-select groups and turn Autoselect on or off.

The VIEW AUTOSELECT LIST always redisplays the last group that was on display and the current status of the Autoselect on/off. Initially the display is as follows:

AUTOSEL STATE: OFF	Global on/off state
GROUP: 1	Group number/name, up to 10 groups
CHANNELS: N/A	Channel numbers and name-up to 10 channels per group
N/A	N/A=Not assigned
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	
N/A	

The UP/DOWN arrow keys are used to move a highlight up and down the AUTOSEL STATE, through the GROUP number and the channel number column (initially N/A). A sequential description of each follows:

AUTOSEL STATE: Toggles between ON and OFF to activate or deactivate the Autoselect function.

1. Use the UP/DOWN arrow keys to highlight the current state.
2. Press Enter to select.
3. Use the UP/DOWN arrow keys to change the choices (either ON or OFF).
4. When the desired choice is present, press Enter to save the desired state.

NOTE: The AUTOSEL STATE is global for all groups-not just the group on display.

GROUP: There are 10 independent groups which can include up to 10 channels each. For convenience, a group can be set to display an 8 character name.

1. Use the UP/DOWN arrow keys to highlight the group number.
2. Press Enter to select.
3. Use the UP/DOWN arrow keys to change the group number.
4. Press Enter when the desired group is reached.
5. To enter or edit a group name, use the right arrow key to highlight the group name field.
6. Press Enter and select the first character to be changed by scrolling with the UP/DOWN keys.

   NOTE: Editing the group name is done in the same manner as a channel name in the channel list. While editing, the characters are displayed in red when using a green or blue menu.
7. After the desired character is selected, press the right arrow key and the second character is ready to edit.
8. Repeat this process to edit up to eight characters.

   NOTE 1: The group name is not used anywhere except in the group display. It is for convenience only and may be omitted.

   NOTE 2: The group display is used to assign existing channels to Autoselect groups only. It cannot be used to change channel properties or channel names. This must be done in the CHANNEL LIST.

CHANNELS: These are the channels that are selectable for inclusion to the currently displayed group. To add a channel to any Autoselect group, the channel must be active and the video source must be connected and active.

1. Move the highlight to any of the channel rows and press Enter.
2. Use the UP/DOWN arrow keys to scroll through the list of all channels available for assignment.
3. Press the Enter key again to save the channel selection.

   NOTE 1: After a channel is added to a group, it cannot be added to another group. **If a channel under the CHANNEL LIST is deactivated by setting it to N/A it is**

automatically removed from all other Autoselect groups it appears in.

NOTE 2: The order of channel assignment is irrelevant because the Autoselect logic starts at the current (or selected) channel when looking for a match and scans down the list and back to the beginning of the list. The **first channel to match is the one that is switched to.**

SETUP PROCEDURE:

NOTE: When using CPU software 5.0.3 or 3.1.1, set VCR MODE SELECT to OFF for each channel used in the Autoselect list. This item is reached from the MAIN MENU to CHANNEL MENU to DECODER SETUP.

1. Perform a normal setup procedure (as shown in Chapter 4) for the channels to be used in the Autoselect groups. For this example we will use a single computer source connected to RGB1.
    - Set up Channel 1 for VGA (31.5kHZ, 60HZ).
    - Set up Channel 2 for SVGA (48kHZ, 60HZ).
2. When the above two channels are set up, select and enter projector input RGB1.
3. Verify the computer is set to VGA.
4. Select CHANNEL LIST from the MAIN MENU.
5. Select VIEW AUTOSELECT LIST from the CHANNEL LIST.
6. Use the arrow keys and scroll to the CHNLS field and add Channel 1 to the Autoselect list.
7. After adding Channel 1 to the list, exit the Autoselect list.
8. Change to Channel 2 on the projector and select SVGA source on the computer.
9. Return to the Autoselect list and add Channel 2 to the CHNLS field.
10. Exit the Autoselect list.
11. Repeat the above procedure for any other channel to be used in the Autoselect group.
12. After all the channels are added to Autoselect groups, turn the Autoselect feature to ON as follows:
    - Select CHANNEL LIST from the MAIN MENU.
    - Select VIEW AUTOSELECT LIST from the CHANNEL LIST.

- Use the arrow keys and highlight AUTOSELECT STATE ON/OFF. Press ENTER to select it (highlights in red).
- Use the arrow keys and select AUTOSELECT STATE ON. Press ENTER to lock the Autoselect ON.

NOTE: If a problem arises with distinguishing between the different channels in the Autoselect group:

A. Set each channel to N/A in the CHNLS field. This clears the channel frequency information previously memorized to the Autoselect list.

B. Repeat steps 3 through 10 above.

AUTOSELECT LIMITATIONS:

1. If there are two video sources with the exact same horizontal frequency, vertical frequency, and interlace mode, the Autoselect cannot switch between the two channels. This situation occurs with Line-Doubled NTSC Video and VGA 480 Computer Graphics. This is also the case with PAL and SECAM video. Therefore, if two sources with the exact video formats (or within the deadband-see below) are selected in the same group number, the Autoselect will switch only to the source which is listed first on the Autoselect channel list. Sources with exact video formats should be placed in different groups.

2. Deadband (Sensitivity). The deadband for distinguishing between different video formats is 20 horizontal lines and 3 Hz vertical frequency.

5.8 IR Remote Control DIP Switch Settings

The IR Technician's Remote and IR Executive Remote contain switches in the battery cavity for address selection. The following provides a list of DIP switch settings associated with projector addresses (*see Figure 5-5 below*).

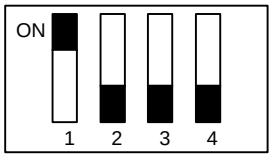
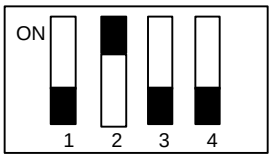
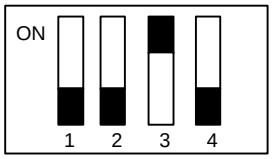
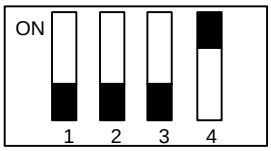
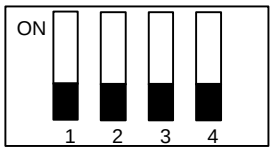
DIP SWITCH SETTING	ILLUSTRATION	PROJECTOR ADDRESS
1 UP UNIVERSAL		**0**
2 UP		**1**
3 UP		**2**
4 UP		**3**
ALL OFF/ DOWN		**7**

Figure 5-5. IR Remote DIP Switch Settings.

NOTE: UNIVERSAL POSITION-Operates all projector addresses, i.e., Address 0, 1, 2, 3, and 7.

PROJECTOR ADDRESS: The projector address is included in the STATUS MENU. The address can be changed as follows:

1. Select MENU (press MENU key).

2. Select STATUS MENU (#2).

3. Select PROJ ADD (press #6) --"PASSCODE" appears on the screen.

4. Select and enter Passcode (1,2,3, Enter).

5. Select new address and enter. The new address number will appear in the status menu.

6. Change IR Remote Control DIP Switch Setting to correspond with the new address setting.