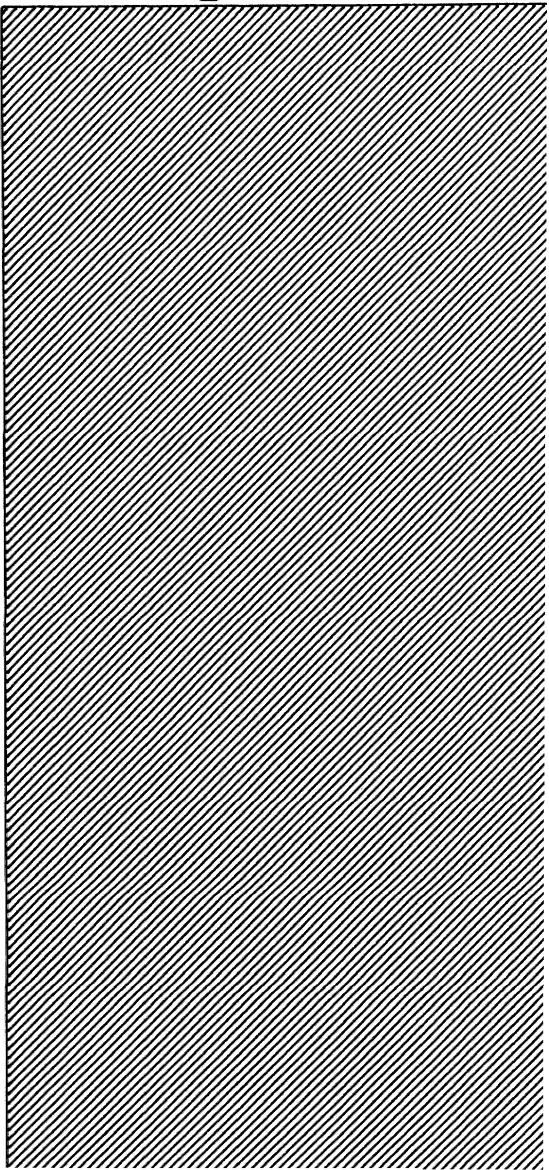


# Setup



**CONTENTS**

Before Setup ..... 3-2

Signal Entry ..... 3-6

Adjustment ..... 3-18

Setting ..... 3-51

# BEFORE SETUP

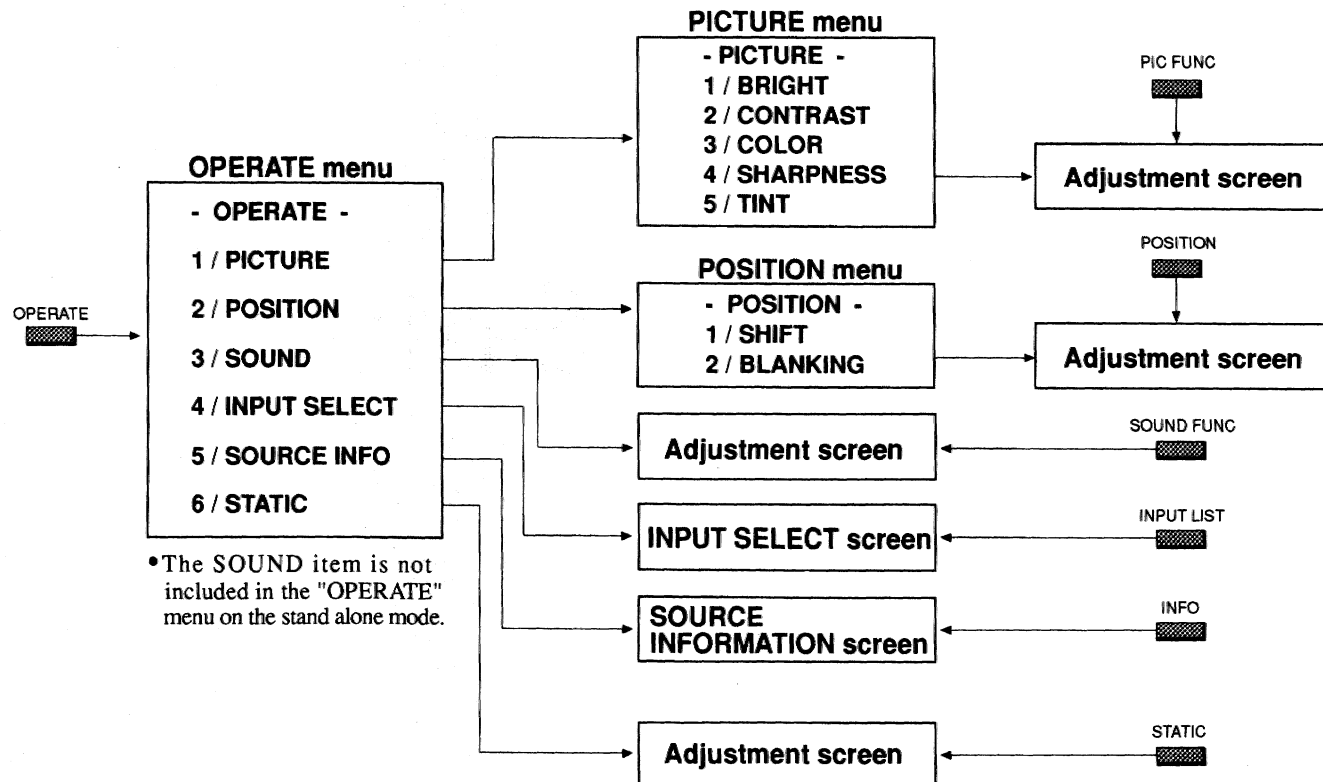
## Displaying the Menu and Adjustment Screen

You can access your desired screen by selecting menus.

Depending upon button selection, your desired screen will be displayed as shown below:

### ■ OPERATE menu

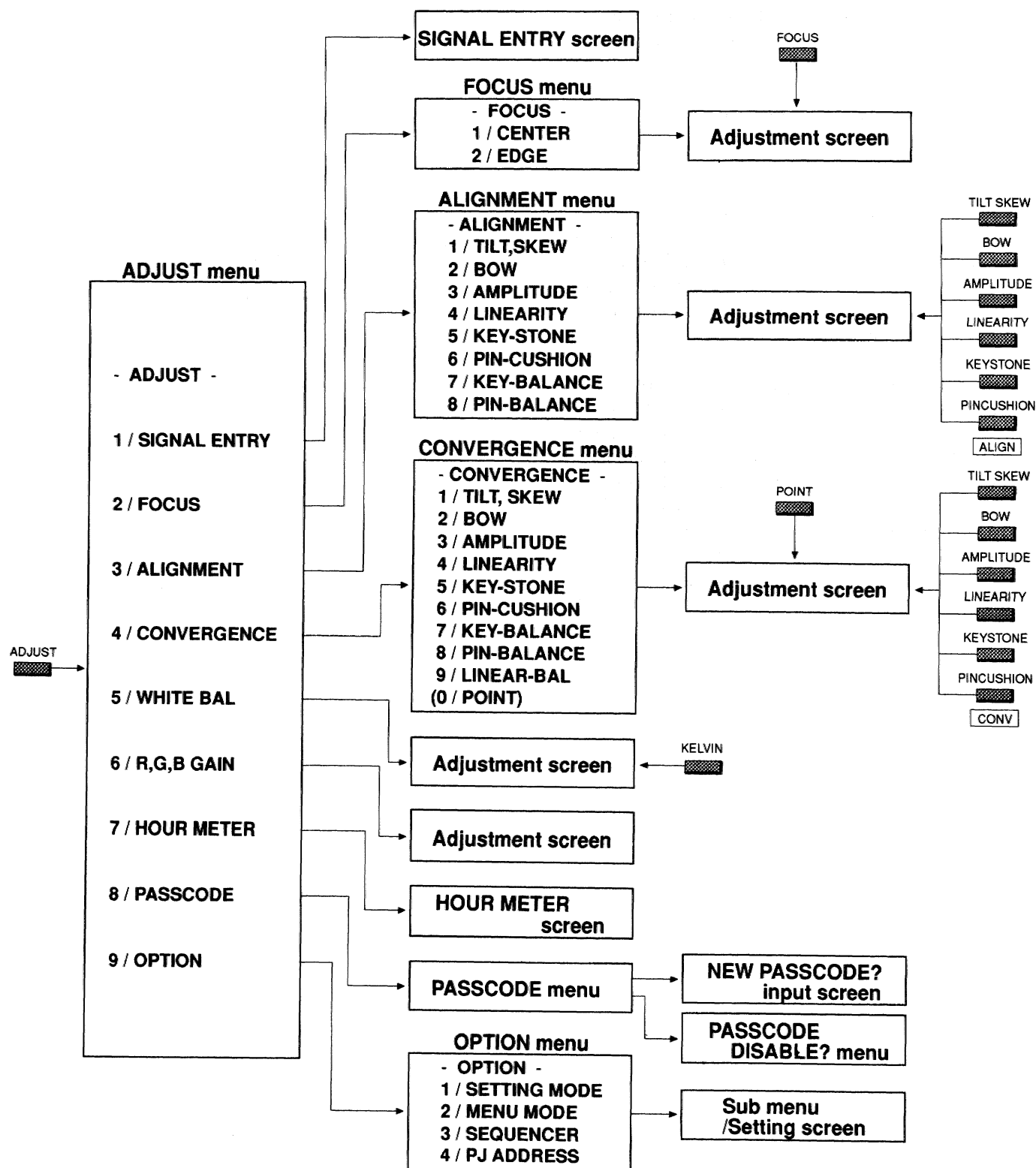
**NOTE:** Examples of the screen display are only when used with the ISS-6010/ISS-6010G.



•The PIC FUNC, POSITION, SOUND FUNC, INPUT LIST, INFO and STATIC buttons are on the full function remote control only.

## ■ ADJUST menu

NOTE: Examples of the screen display are only when used with the ISS-6010/ISS-6010G.



- The ADJUST, FOCUS, POINT and KELVIN buttons are on the Full Function remote control only.

## BEFORE SETUP

---

### On ADJUST MODE

The ADJUST mode contains various adjustment items for setup. Open the ADJUST menu and select the item you wish to adjust. To display the ADJUST menu, proceed as follows:

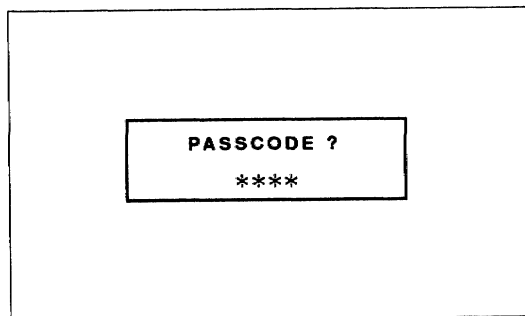
- ① Press the ADJUST button.
  - The projector may ask for your passcode.
- ② Enter your registered passcode.

**When a passcode has not been registered:**

- Since no passcode is programmed at the factory, pressing the ADJUST button will open the ADJUST menu.
- See "Entering Passcode", "Registering Passcode", "Changing Your Passcode" and "Canceling Your Passcode" on pages 3-44 through 3-50

**When your passcode has already been registered:**

- When finishing the ADJUST mode, the "RETURN USER MODE ?" menu will be displayed. If you select "YES" and press ENTER to end the ADJUST mode, you will have to enter your passcode to re-enter the ADJUST mode.
- When finishing the ADJUST mode by either selecting "NO" or pressing END, you do not need to enter your passcode to re-enter the ADJUST mode. To exit the ADJUST mode temporarily during adjusting, select "NO".







## Test Pattern

This projector will generate a test signal.

Seven kinds of internal test patterns can be selected from the TEST PATTERN menu.

To display the TEST PATTERN menu, proceed as follows:

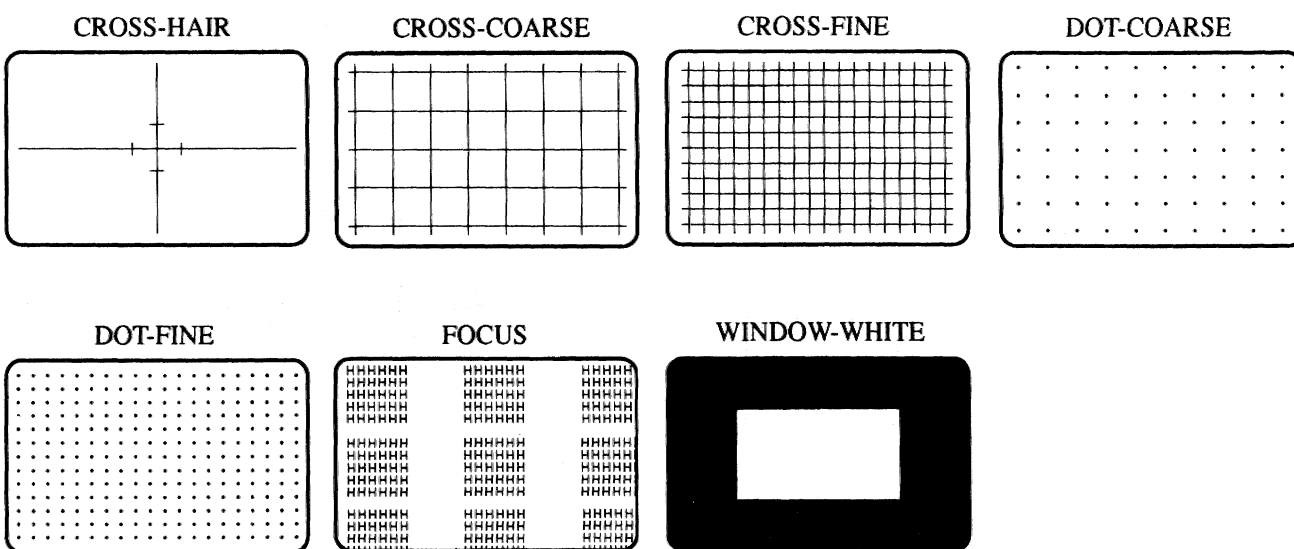
- ① Press the TEST button on the Full function remote control.
  - The "TEST PATTERN" menu will be displayed.
  - When the END button is pressed, the "TEST PATTERN" menu will disappear.
- ② Use the CURSOR  or  button to highlight the test pattern you wish to use and press the ENTER button.
  - The selected test pattern will be displayed.
- ③ To return to the source screen, press the TEST and then the END button.
  - When the TEST button is pressed, the "TEST PATTERN" menu will be displayed and when the END button is pressed, the screen will be changed to the source screen.

```

- TEST PATTERN -
CROSS-HAIR
CROSS-COARSE
CROSS-FINE
DOT-COARSE
DOT-FINE
FOCUS
WINDOW-WHITE
  
```

**NOTE:** If there is no test pattern, the beams have been turned off by the R, G, and B buttons on the remote control.

### Adjustment test pattern



# SIGNAL ENTRY

## On Signal Entry

The projector uses a micro-processor to automatically read and distinguish several video signals input at the same time. These signals are then used to make optimum adjustments for focus, convergence, alignment, etc. Various parameters must be recorded into the micro-processor beforehand to ensure the video signals are read correctly and adjusted to optimum quality.

The Signal Entry records these video signals in the SIGNAL ENTRY list and at the same time obtains the various parameters pertaining to these signals. Always access this mode first whenever inputting video signals for the first time so that you can record the video signals before making any adjustments.



**NOTE:** If you have software which is changing scanning mode due to graphic board of your PC, it is necessary to carry out signal entry for each scanning mode. This must be done using your PC peripherally by stopping in the software in each scanning mode and carry out signal entry operation.



## Signal Entry Procedures

To make the signal entry, proceed as follows:



- ① Press the ADJUST button.
  - The "ADJUST" menu will be displayed.

**NOTE:** The projector may ask you to enter your passcode.

- ② Use the CURSOR  or  button to highlight the "1/ SIGNAL ENTRY" line and press the ENTER button.
  - The "SIGNAL ENTRY" list will be displayed.
  - You can also select the "SIGNAL ENTRY" list directly by pressing the INPUT "1" button.



- ③ Use the CURSOR  or  button to select the desired line and press the ENTER button.
  - The Signal entry menu will be displayed.

**NOTE:** When a vacant line is selected, the Input terminal menu ("VIDEO/RGB" on standalone mode, the "MASTER" menu on SW1 level mode or the "MASTER" and "SLAVE" menus on SW2 level mode) will be displayed instead of the Signal entry menu.

**NOTE:** To advance to the next page or to the previous page, hold down the CTL button then press the CURSOR  or  button. To directly access a page, hold down the CTL button then press any one of the INPUT buttons.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
P01  SIGNAL ENTRY  
ISS-6010      SW 2 LEVEL  
  
NO INPUT      NAME      DATE  
01 M-01 S-01 VTR-1 12/01/92  
02 M-01 S-02 VTR-2 12/03/92  
03 M-01 S-03 VIDEO-1 12/11/92  
04 M-01 S-04 VTR-3 12/24/92  
05 M-01 S-05 RGB-1 12/25/92  
06  
07  
08  
09  
10  
  
COPY NUMBER ?
```

- ④ Use the CURSOR  or  button to select the item and then press the ENTER button.

## Items to select



- ENTRY -----Records a signal for the first time
- DATA COPY -----Copies the adjustments from one input signal to the input signal on the selected line
- DELETE -----Deletes the recorded signal on the selected line
- CHANGE DEFAULT - Stores the data of the selected signal in the DEFAULT AREA.

- The Input terminal menu will be displayed.

## ■Selecting "ENTRY"



When connecting a signal for the first time, you need to register it. You can copy the initial setting for the new signal from any other signal that has already registered or use the factory preset level.

To do this, proceed as follows:

- 1) Use the CURSOR  or  button to select "ENTRY" and press the ENTER button.

- The Input terminal menu will be displayed.

## When using in stand alone application:

Use the CURSOR  or  button to select either "VIDEO" or "RGB" and press the ENTER button.



- The "NAME INPUT" screen will be displayed.

## Items to select

- VIDEO ----Selects the VIDEO input signal of this projector
- RGB -----Selects the RGB input signal of this projector

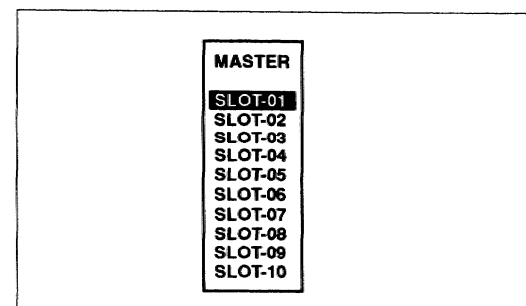
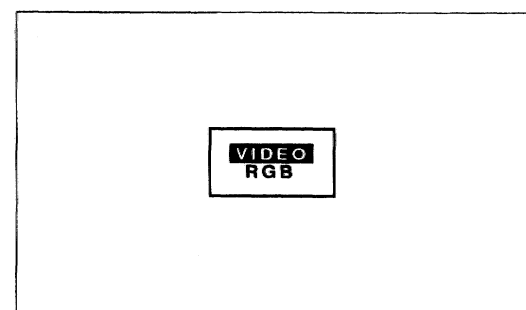
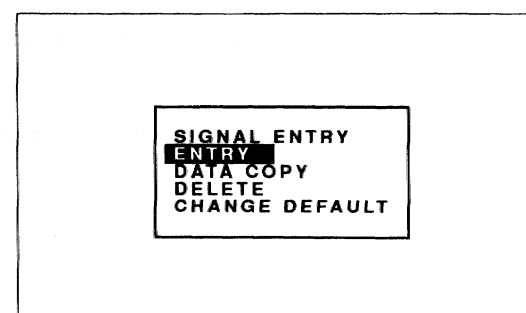
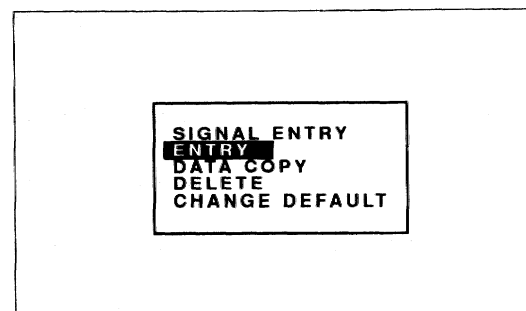
- Go on to Step 2).

## When using with one Switcher ISS-6010/ISS-6010G:

Use the CURSOR  or  button to select the input slot number of the Switcher and press the ENTER button.



- Input slot numbers are from 1 through 10.
- The "NAME INPUT" screen will be displayed when you finish entering the slot number.
- Go on to Step 2).

Continued on the next page.

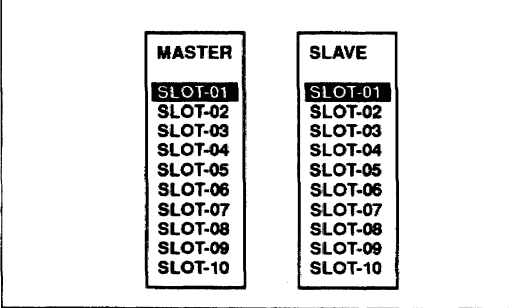


## SIGNAL ENTRY


When using with two or more Switcher ISS-6010/ISS-6010G:

Use the CURSOR  or  button to select the input slot number of the master Switcher and press the ENTER button. Then select the slot number of the slave Switcher and press the ENTER button.

- The "MASTER" menu will be displayed when the slot number of the master Switcher is selected.
- The "SLAVE" menu will be displayed when the slot number of the slave Switcher is selected.
- Input slot numbers are from 1 through 10.
- The "NAME INPUT" screen will be displayed when you finish entering the slot number.
- Go on to Step 2).



| MASTER  | SLAVE   |
|---------|---------|
| SLOT-01 | SLOT-01 |
| SLOT-02 | SLOT-02 |
| SLOT-03 | SLOT-03 |
| SLOT-04 | SLOT-04 |
| SLOT-05 | SLOT-05 |
| SLOT-06 | SLOT-06 |
| SLOT-07 | SLOT-07 |
| SLOT-08 | SLOT-08 |
| SLOT-09 | SLOT-09 |
| SLOT-10 | SLOT-10 |

2) Input the source name by selecting one character at a time with the INPUT buttons 1 through 10 and moving the cursor with the CURSOR  button. After finishing the selection of the characters, press the ENTER button.

- Up to eight characteres can be selected.
- Eight characters are assigned to one INPUT button.
- Whenever the INPUT button is pressed, characters will be rotated.



For example: A → B → C → 1 → A .....

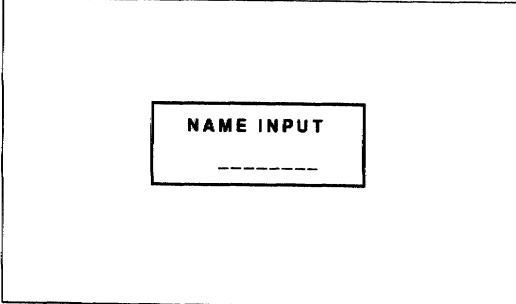
- When pressing the INPUT button while holding down the CTL button, another group of characters will be rotated.

For example: a → b → c → ! → a .....

- The characters corresponding to these INPUT buttons are as follows:

|              | When using     | With CTL        |
|--------------|----------------|-----------------|
| INPUT 1----- | A, B, C, and 1 | a, b, c, and !  |
| INPUT 2----- | D, E, F, and 2 | d, e, f, and "  |
| INPUT 3----- | G, H, I, and 3 | g, h, i, and #  |
| INPUT 4----- | J, K, L, and 4 | j, k, l, and \$ |
| INPUT 5----- | M, N, O, and 5 | m, n, o, and %  |
| INPUT 6----- | P, Q, R, and 6 | p, q, r, and &  |
| INPUT 7----- | S, T, U, and 7 | s, t, u, and '  |
| INPUT 8----- | V, W, X, and 8 | v, w, x, and (  |
| INPUT 9----- | Y, Z, ?, and 9 | y, z, /, and )  |
| INPUT10----- | *, ,, ., and 0 | ;, :, +, and -  |

- If you have made an error in the input of a character, use the CURSOR  button and enter the correct letter or number.  
To delete one character, move the CURSOR  button to the character to be deleted and then press the NORMAL button.  
To delete all the entered name, hold down the CTL button then press the NORMAL button.
- The "INITIAL DATA SELECT" menu will be displayed.



3) Use the CURSOR ☐ or ☐ button to select either "DEFAULT" or "ENTRY NUMBER" and press the ENTER button.

- When "DEFAULT" is selected, the projector will be returned to the factory preset level.
- When selecting "ENTRY NUMBER", the "COPY NUMBER ?" message will be displayed at the bottom of the screen. Use the CURSOR ☐ or ☐ button to select the signal you wish to copy the initial settings from and press the ENTER button.

**NOTE:** Although this copy function is similar to the DATA COPY which will be explained in the next section, this works only when you records a signal for the first time.

- The "SOURCE INFORMATION" screen will be displayed.
- Pressing the END button will return to the "SIGNAL ENTRY" list. Go on to Step ⑤.

## ■ When selecting "DATA COPY"

To help assist in adjusting multiple inputs this projector has a feature called DATA COPY. This feature allows you to copy the setting data from one input to another input. By copying the setting data from an input that has already been adjusted to an existing input you will not have to do a complete adjustment.

To do this, proceed as follows:

1) Use the CURSOR ☐ or ☐ button to select "DATA COPY" and then press the ENTER button.

- The "COPY NUMBER ?" message will be displayed at the bottom of the screen.

2) Use the CURSOR ☐ or ☐ button to select the signal to copy from and then press the ENTER button.

- When "DATA COPY END" message is displayed, this completes the DATA COPY mode.
- The "SOURCE INFORMATION" screen will be displayed.
- Pressing the END button will return to the "SIGNAL ENTRY" list. Go on to Step ⑤.

Continued on the next page.

INITIAL DATA SELECT  
DEFAULT  
ENTRY NUMBER

### P01 SIGNAL ENTRY

ISS-6010

SW 2 LEVEL

| NO | INPUT | S    | NAME    | DATE     |
|----|-------|------|---------|----------|
| 01 | M-01  | S-01 | VTR-1   | 12/01/92 |
| 02 | M-01  | S-02 | VTR-2   | 12/03/92 |
| 03 | M-01  | S-03 | VIDEO-1 | 12/11/92 |
| 04 | M-01  | S-04 | VTR-3   | 12/24/92 |
| 05 | M-01  | S-05 | RGB-1   | 12/25/92 |
| 06 |       |      |         |          |
| 07 |       |      |         |          |
| 08 |       |      |         |          |
| 09 |       |      |         |          |
| 10 |       |      |         |          |

COPY NUMBER ?

SIGNAL ENTRY  
ENTRY  
DATA COPY  
DELETE  
CHANGE DEFAULT

### P01 SIGNAL ENTRY

ISS-6010

SW 2 LEVEL



| NO | INPUT | S    | NAME    | DATE     |
|----|-------|------|---------|----------|
| 01 | M-01  | S-01 | VTR-1   | 12/01/92 |
| 02 | M-01  | S-02 | VTR-2   | 12/03/92 |
| 03 | M-01  | S-03 | VIDEO-1 | 12/11/92 |
| 04 | M-01  | S-04 | VTR-3   | 12/24/92 |
| 05 | M-01  | S-05 | RGB-1   | 12/25/92 |
| 06 | M-01  | S-06 | VIDEO-2 | 12/30/92 |
| 07 | M-01  | S-07 | VIDEO-3 | 12/31/92 |
| 08 | M-01  | S-08 | NTSC    | 01/15/93 |
| 09 | M-01  | S-09 | PAL     | 01/16/93 |
| 10 | M-01  | S-10 | SECAM   | 01/29/93 |

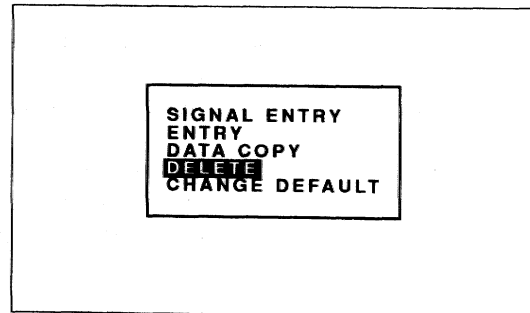
COPY NUMBER ?

## SIGNAL ENTRY

### ■ When selecting "DELETE"

To delete the signal that has already been recorded, proceed as follows:

- 1) Use the CURSOR  or  button to select "DELETE" and press the ENTER button.
  - The "SELECT LINE DELETE ?" menu will be displayed.

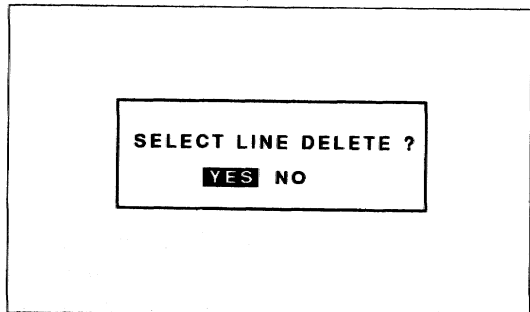


- 2) Use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button.

#### Items to select

- YES -----The selected line will be deleted
- NO -----The selected line will not be deleted

- If the "SIGNAL ENTRY" list is displayed, this completes the DELETE mode.
- To end the "SIGNAL ENTRY" list, go on to Step ⑤.





### ■ When selecting "CHANGE DEFAULT"

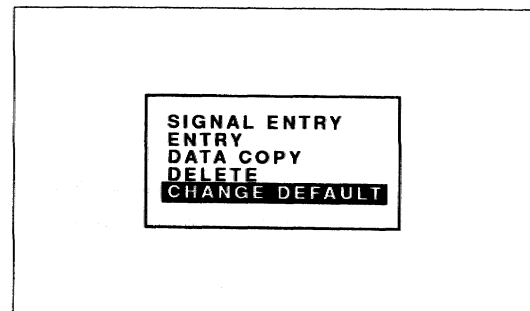
The adjustment data of the selected signal will be stored in the DEFAULT AREA.

The data stored in the DEFAULT AREA will be output when the data is normalized by pressing the NORMAL button.

Selecting "DEFAULT" from the "INITIAL DATA SELECT" menu during signal entry will output the data stored in the "DEFAULT AREA".

To do this, proceed as follows:

- 1) Use the CURSOR  or  button to select "CHANGE DEFAULT" and press the ENTER button.
  - The "STORE TO DEFAULT AREA ?" will be displayed.



2) Use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the END button.

## Items to select

- YES -- The data of the selected signal will be stored in the DEFAULT AREA.
- NO --- The data of the selected signal will not be stored in the DEFAULT AREA.

• If the "SIGNAL ENTRY" list is displayed, this completes the CHANGE DEFAULT mode.

• To end the "SIGNAL ENTRY" list, go on to Step ⑤.

⑤ To complete the signal entry, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:

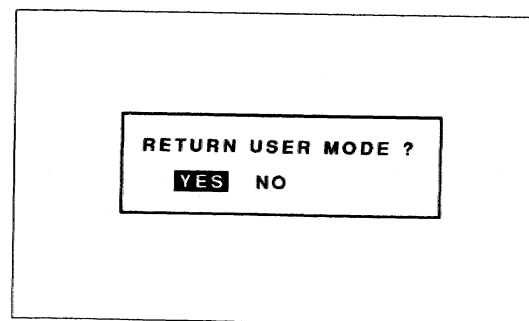
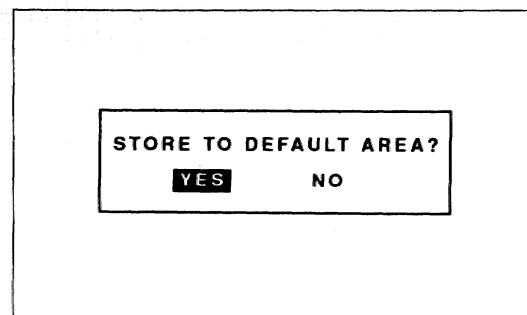
"SIGNAL ENTRY" list → "SOURCE INFORMATION" screen  
→ "ADJUST" menu → Source screen.

- When your passcode is effective, the "RETURN USER MODE ?" screen will be displayed. If this happens, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the ENTER button.

## Items to select

- YES ----- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

**NOTE:** You can check and change various parameters on the "SOURCE INFORMATION" menu. See 3-12 page.



## SIGNAL ENTRY

### Checking and Setting Various Parameters

The parameters and setting mode of the signal currently projected will be displayed. To view or change the parameters, proceed as follows:

① Press the ADJUST button.

The "ADJUST" menu will be displayed.

**NOTE:** The projector may ask you to enter your passcode.

② Press the INFO button.

- The "SOURCE INFORMATION" screen will be displayed.
- The "SOURCE INFORMATION" screen will be displayed also when you quit the "SIGNAL ENTRY" screen.

③ Check and / or set the various parameters of the signal currently projected.

The items you can set are NAME, LOCK, SYNC DETECT, COLOR TEMP, AKB ON/OFF, COUNTER and TIMER. See the following pages for each setting.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

#### SOURCE INFORMATION

|                 |             |        |
|-----------------|-------------|--------|
| M-01 S-01       | NAME        | LOCK   |
|                 | *****       | ON     |
|                 |             | OFF    |
| FREQUENCY       | SYNC DETECT |        |
| fh = ***.***KHz | AUTO        | COMP.  |
| fv = **.** Hz   | MANUAL      | SEPA.  |
|                 |             | G-SYNC |
| SYNC            | COLOR TEMP  | AKB    |
| HD(+) VD (+)    | 3200°K      |        |
|                 | 6500°K      | ON     |
| VIDEO MODE      | 9300°K      | OFF    |
| NTSC 3.58       | COUNTER     | TIMER  |
|                 | *****       | *****  |

### ■ Setting "NAME"

This function is used to change a user name that has already been recorded.

To do this, proceed as follows:


1) Use the CURSOR buttons to select "NAME" and then press the ENTER button.


- The "NAME INPUT" screen will be displayed.


#### SOURCE INFORMATION

|                 |             |        |
|-----------------|-------------|--------|
| M-01 S-01       | NAME        | LOCK   |
|                 | *****       | ON     |
|                 |             | OFF    |
| FREQUENCY       | SYNC DETECT |        |
| fh = ***.***KHz | AUTO        | COMP.  |
| fv = **.** Hz   | MANUAL      | SEPA.  |
|                 |             | G-SYNC |
| SYNC            | COLOR TEMP  | AKB    |
| HD(+) VD (+)    | 3200°K      |        |
|                 | 6500°K      | ON     |
| VIDEO MODE      | 9300°K      | OFF    |
| NTSC 3.58       | COUNTER     | TIMER  |
|                 | *****       | *****  |



2) Input a new source name by selecting one character at a time with the INPUT buttons 1 through 10 and moving the cursor with the CURSOR  button. After finishing the selection of the characters, press the ENTER button.

- If you have made an error in the input of a character, use the CURSOR  button and enter the correct letter or number.

To delete one character, move the CURSOR  button to the character to be deleted and then press the NORMAL button.

To delete all the entered name, hold down the CTL button then press the NORMAL button.

- The above is the same procedure of the signal entry. See page 3-8 for more details.

- The screen will be returned to the "SOURCE INFORMATION" screen.

NAME INPUT

## ■ Setting "SYNC DETECT"



This function is used to detect the sync signal input at the RGB terminals on the front.

To do this, proceed as follows:

1) Use the CURSOR buttons to select "SYNC DETECT" and then press the ENTER button.

- The "SYNC DETECT" menu will be displayed.

| SOURCE INFORMATION |             |            |     |
|--------------------|-------------|------------|-----|
| M-01 S-01          | NAME        | LOCK       |     |
|                    | *****       | ON         |     |
| FREQUENCY          |             | OFF        |     |
| fh = ****.***KHz   | SYNC DETECT |            |     |
| fv = **.* Hz       | AUTO        | COMP.      |     |
|                    | MANUAL      | SEPA.      |     |
|                    |             | G-SYNC     |     |
| SYNC               |             | COLOR TEMP | AKB |
| HD(+) VD (+)       |             | 3200°K     |     |
|                    |             | 6500°K     | ON  |
| VIDEO MODE         |             | 9300°K     | OFF |
|                    | COUNTER     | TIMER      |     |
| NTSC 3.58          | *****       | ***:**     |     |

2) Use the CURSOR  or  button to select either "AUTO" or "MANUAL" and then press the ENTER button.

- The screen will be returned to the "SOURCE INFORMATION" screen.

- When "AUTO" is selected, the sync type will be displayed.

- Select "AUTO" in normal operation.

- Select "MANUAL" when connecting a computer that has a non-standard signal.

- Selecting "MANUAL" automatically switches to the G-SYNC mode.

SYNC DETECT

AUTO

MANUAL

### On-screen display

- COMP. ----- Composite sync signal.
- SEPA. ----- H/V separate sync signal.
- G-SYNC ----- Sync on green signal.

Continued on the next page.

**SIGNAL ENTRY**

**■Setting "COLOR TEMP"**

This function is used to select the color temperature.  
To do this, proceed as follows:

- 1)Use the CURSOR buttons to select "COLOR TEMP" and then press the ENTER button.
  - The "COLOR TEMP" menu will be displayed.

SOURCE INFORMATION

M-01 S-01

FREQUENCY

fh = \*\*\*.\*\*\*KHz

fv = \*\*.\*\* Hz

SYNC

HD(+) VD (+)

VIDEO MODE

NTSC 3.58

NAME

\*\*\*\*\*

LOCK

ON

OFF

SYNC DETECT

AUTO

MANUAL

COMP.

SEPA.

G-SYNC

COLOR TEMP

3200°K

6500 K

9300°K

COUNTER

\*\*\*\*\*



TIMER

\*\*\*\*\*

AKB

ON

OFF

- 2)Use the CURSOR  or  button to select the color temperature you wish to use and then press the ENTER button.
  - The screen will be returned to the "SOURCE INFORMATION" screen.

Items to select

• 3200° K -----Reddish

• 6500° K -----Normal white

• 9300° K -----Bluish white

COLOR TEMP

3200°K

6500 K

9300°K

## ■Setting "AKB"

This function is used to activate the auto white balance control.

1) Use the CURSOR buttons to select "AKB" and then press the ENTER button.

- The "AKB CONTROL" menu will be displayed.

| SOURCE INFORMATION |        |             |         |
|--------------------|--------|-------------|---------|
| M-01               | S-01   | NAME        | LOCK    |
|                    |        | *****       | ON      |
|                    |        |             | OFF     |
| FREQUENCY          |        | SYNC DETECT | COMP.   |
| fh = ***.***KHz    |        | AUTO        | SEPA.   |
| fv = **.* Hz       |        | MANUAL      | G-SYNC  |
| SYNC               |        | COLOR TEMP  | AKB     |
| HD(+)              | VD (+) | 3200°K      |         |
|                    |        | 6500°K      | ON      |
|                    |        | 9300°K      | OFF     |
| VIDEO MODE         |        | COUNTER     | TIMER   |
| NTSC 3.58          |        | *****       | ***:*** |

2) Use the CURSOR ☐ or ☒ button to select either "ON" or "OFF" and then press the ENTER button.

- The screen will be returned to the "SOURCE INFORMATION" screen.

**NOTE:** When "ON" is selected, the AKB detection signal will appear on the top of the screen. If you wish to remove it, select "OFF".

- If the projector is used on the AKB OFF for an extended period, it could affect the white balance settings. To avoid this, set AKB to ON periodically.

| AKB CONTROL                            |
|--|
| <input checked="" type="checkbox"/> ON |
| <input type="checkbox"/> OFF           |

## ■Setting "COUNTER"

This function is used to reset the number of times of signal display.



1) Use the CURSOR buttons to select the "COUNTER" and then press the ENTER button.

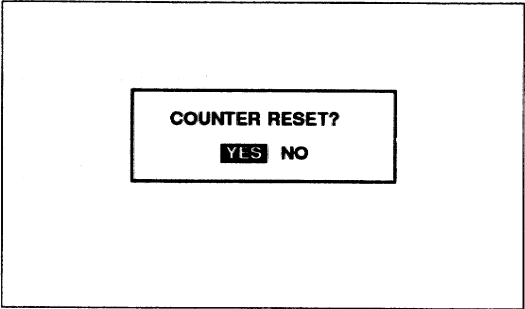
- The "COUNTER RESET ?" screen will be displayed.

Continued on the next page.

| SOURCE INFORMATION |        |             |         |
|--------------------|--------|-------------|---------|
| M-01               | S-01   | NAME        | LOCK    |
|                    |        | *****       | ON      |
|                    |        |             | OFF     |
| FREQUENCY          |        | SYNC DETECT | COMP.   |
| fh = ***.***KHz    |        | AUTO        | SEPA.   |
| fv = **.* Hz       |        | MANUAL      | G-SYNC  |
| SYNC               |        | COLOR TEMP  | AKB     |
| HD(+)              | VD (+) | 3200°K      |         |
|                    |        | 6500°K      | ON      |
|                    |        | 9300°K      | OFF     |
| VIDEO MODE         |        | COUNTER     | TIMER   |
| NTSC 3.58          |        | *****       | ***:*** |

**SIGNAL ENTRY**

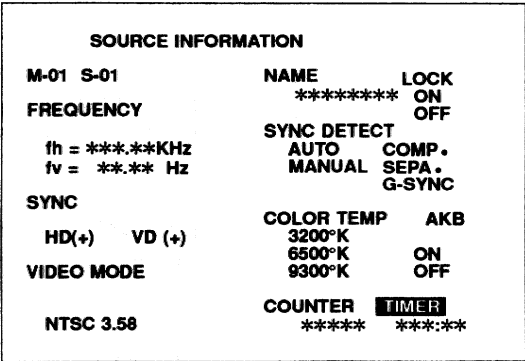
- 2)Use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button.
- To reset the counter, select "YES". If you do not need to reset, select "NO".
  - The screen will be returned to the "SOURCE INFORMATION" screen.





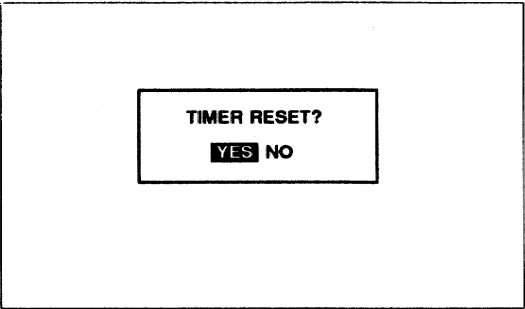
**■Setting "TIMER"**

This function is used to reset the time of signal display.

- 1)Use the CURSOR buttons to select "TIMER" and then press the ENTER button.
- The "TIMER RESET ?" screen will be displayed.



- 2)Use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button.
- To reset the timer, select "YES". If you do not need to reset, select "NO".
  - The screen will be returned to the "SOURCE INFORMATION" screen.



## ■ Setting "LOCK"

This function is used to stop the automatic discrimination and selection of various RGB signals.

Set the lock control to ON when connecting a poor quality signal.

1) Use the CURSOR buttons to select "LOCK" and press the ENTER button.

- The "LOCK CONTROL" menu will be displayed.

| SOURCE INFORMATION |             |         |            |
|--------------------|-------------|---------|------------|
| M-01 S-01          | NAME        | *****   | LOCK<br>ON |
| FREQUENCY          |             |         | OFF        |
| fh = ***.***KHz    | SYNC DETECT | AUTO    | COMP.      |
| fv = **.* Hz       |             | MANUAL  | SEPA.      |
|                    |             |         | G-SYNC     |
| SYNC               | COLOR TEMP  | 3200°K  |            |
| HD(+) VD (+)       |             | 6500°K  |            |
| VIDEO MODE         |             | 9300°K  | OFF        |
| NTSC 3.58          | COUNTER     | TIMER   |            |
|                    | *****       | ***:*** |            |

2) Use the CURSOR ☐ or ☒ button to select either "ON" or "OFF" and press the ENTER button.

- The screen will be returned to the "SOURCE INFORMATION" screen.
- Select "OFF" in normal operation.

| LOCK CONTROL |
|--------------|
| ON           |
| OFF          |

④ To complete, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"ADJUST" menu → Source screen
- When your passcode is active, the "RETURN USER MODE ?" screen will be displayed. If this happens, use the CURSOR ☐ or ☒ button to select either "YES" or "NO" and press the ENTER button.

### Items to select

- YES ----- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

| RETURN USER MODE ? |
|--------------------|
| YES                |
| NO                 |

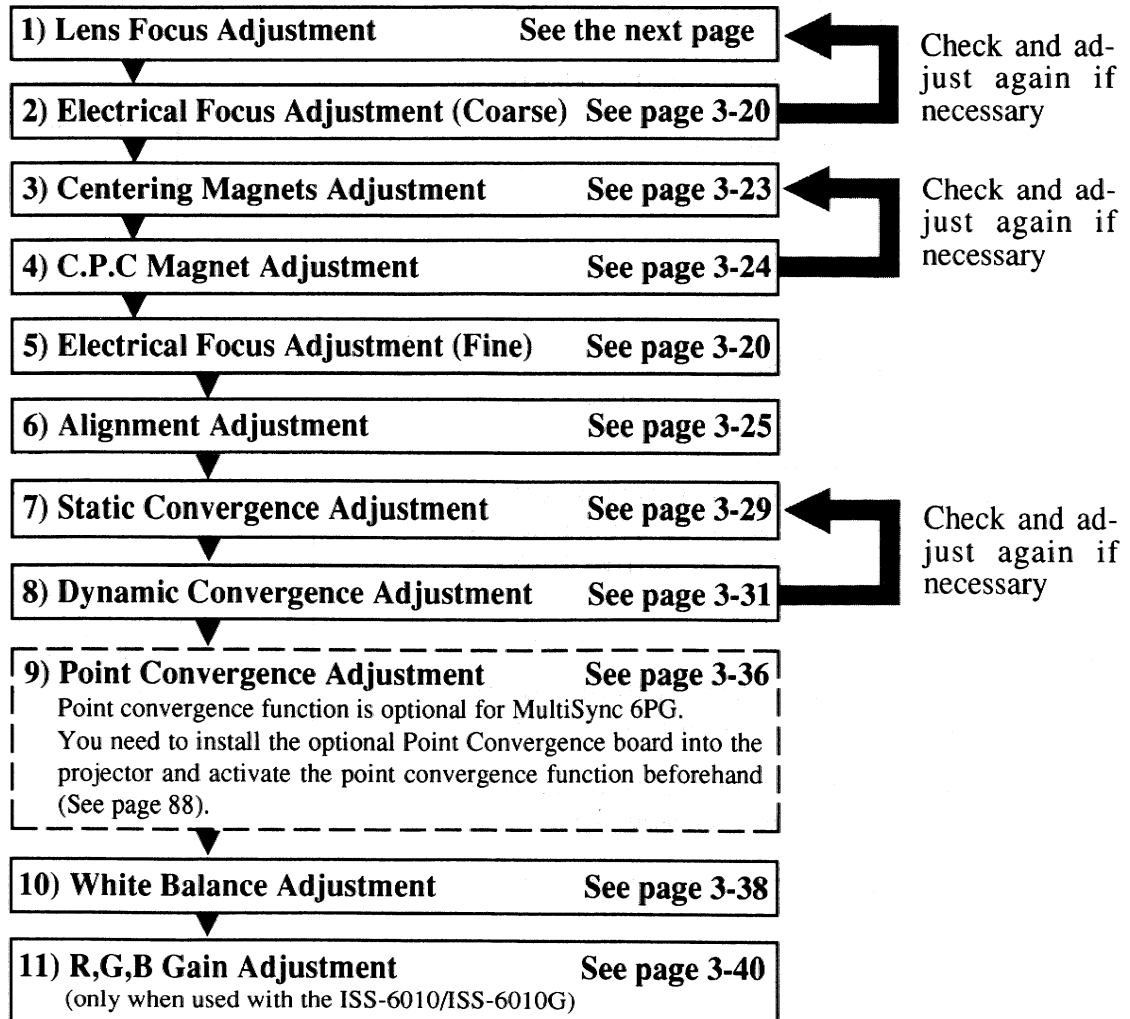
# ADJUSTMENT

## Setup Procedure

### Before adjusting

- ① Installation of the projector. (See pages 2-2 to 2-16)
  - This projector is pre-adjusted at the factory for use with the ISS-6010/ISS-6010G Switcher, 100 inch screen front projection, and ceiling mounting. If your application is the same as the factory setting, you will not have to reconfigure the projector for your application. However, if you want to do some fine or further adjustments, carry out the following adjustments from Step 5).
- ② Connect to the external equipment.
- ③ Turn on the external equipment power.
  - If you want to institute the use of a passcode, register the passcode.
  - Carry out the adjustments after displaying a motion picture for 20 minutes or more.
- ④ Select the input signal.
  - If your input signal has not been recorded, it is necessary to perform the signal entry beforehand. See page 3-6.

If you want to use the projector in any other configuration than the factory setting, perform the following after installation.



\* If a button operation is not pressed correctly, the error message will appear.

\* Pressing the HELP button will display the brief description of the selected function and button operation instructions.

## Lens Focus Adjustment

Adjust the center focus and edge focus mechanically to obtain the best screen focus.

### NOTE:

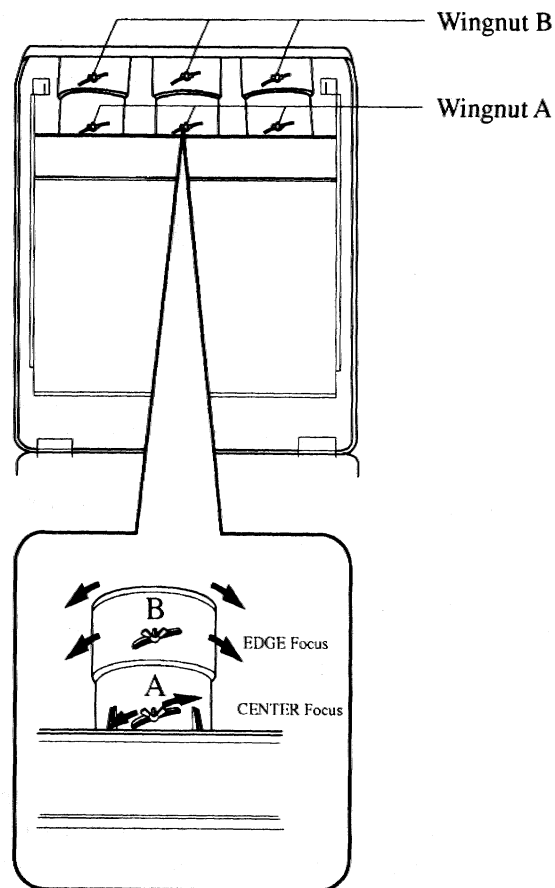
- The lense focus adjustment should be performed for each lens separately.
- Select the FOCUS test pattern using the TEST button on the full function remote control.

Proceed as follows:

- ① Press the R, G, B button to project the CRT beam to be adjusted.
  - You can turn on or off each CRT beam (R,G and B) separately.
- ② Adjust the CENTER focus.
  - Loosen the wing nut A. Rotate the lens using the wing nut A until the center of the screen is in focus.
  - When you get the best center focus, tighten the wing nut A.

**NOTE:** Do not over-tighten the wing nut.

- ③ Adjust the EDGE focus.
  - Loosen the wing nut B. Rotate the lens barrel until the edge area of the screen is focused. Tighten the wing nut B.
- ④ Make sure that the center is in focus.
  - If it is still out of focus, repeat steps ② and ③.
- ⑤ Repeat steps ① to ④ for the other CRTs if necessary.



## ADJUSTMENT





### Electrical Focus Adjustment

Adjust the center focus and edge focus electrically to obtain the best screen focus.

#### NOTE:

- The CENTER focus adjustment should be performed for each CRT separately.
- Select the FOCUS test pattern using the TEST button on the full function remote control.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASS CODE.
- ② Use the CURSOR  or  button to highlight the "2/FOCUS" line. Press the ENTER button to display the FOCUS menu. You can also select the FOCUS menu directly by pressing the INPUT "2" button.
- ③ Use the CURSOR  or  button to highlight your preferred adjustment item. Press the ENTER button to display the selected adjustment screen.
  - You can also select the adjustment screen directly by pressing the INPUT "1" or "2" button.

#### Items to select

- CENTER --- The focus adjustment for the center of the screen
- EDGE ----- The focus adjustment for the edge area of the screen

**NOTE:** The adjustment screen can be also displayed by pressing the FOCUS button on the full function remote control. The FOCUS button will toggle between the CENTER and EDGE focus.

**NOTE:** The center focus for the Blue CRT is pre-adjusted so that the best white uniformity can be obtained at the gauge center (0%).

For this reason, it has been slightly out of focus with the switch inside the projector.

Therefore you should not normally carry out the center focus adjustment to the Blue CRT with the remote control.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
- FOCUS -  
1 / CENTER  
2 / EDGE
```



- ④ Press the R,G or B button to project the only CRT beam to be adjusted.
- You can turn on or off each CRT beam (R,G and B) separately.









**NOTE:**

- The CENTER focus adjustment should be performed for each CRT separately.
- The EDGE focus adjustment affects all the three CRTs at the same time.

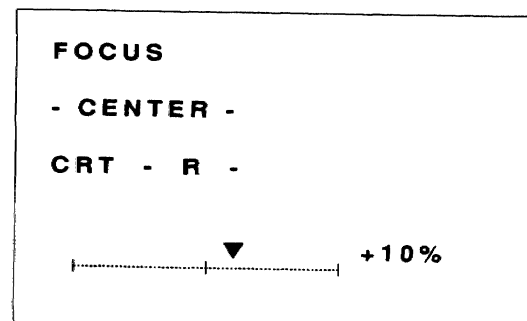
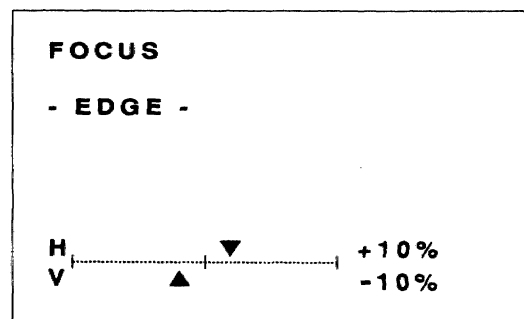
- ⑤ Hold down the CTL button then select the CRT you wish to adjust with the R, G and B button.
- The display of the corresponding CRT will change from one CRT to another.

**NOTE:**

- You do not need to select the CRT color for the EDGE focus.
- Always be aware of what color the on-screen CRT display is showing (R, G, B). Even if that color's test pattern may be turned off, any adjustment to that color is still being done in the projector's memory.

- ⑥ Use the CURSOR buttons to adjust the CENTER or EDGE focus.
- Pressing the  or  button increases the control levels of the CENTER focus. (The gauge mark in the scale moves to the right.)
  - Pressing the  or  button decreases the control levels of the CENTER focus. (The gauge mark in the scale moves to the left.)
  - Pressing the END button will return to the FOCUS menu.
  - Pressing the CURSOR  or  button increases or decreases the H (Horizontal) levels of the EDGE focus. (left and right)
  - Pressing the CURSOR  or  button increases or decreases the V (Vertical) levels of the EDGE focus. (top and bottom)

- ⑦ Repeat steps ④ to ⑥ for the other CRTs if necessary.
- ⑧ To end this adjustment, press the END button to display the "STORE ?" menu.
- Whenever the END button is pressed , the screen will be changed in this order:  
"FOCUS" menu → "ADJUST" menu → "STORE?" menu



Continued on the next page.

## ADJUSTMENT

---

- ⑨ Use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button.
- To exit this mode without storing the current status, select "NO".

### Items to select

- YES --- The data will be stored
- NO ----- The data will not be stored

**NOTE:** If the focus adjustments have not been changed, the "STORE ?" menu will not be displayed.

- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

### Items to select

- YES --- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

**STORE ?**

☐ YES ☐ NO

**RETURN USER MODE ?**

☐ YES ☐ NO

## Centering Magnet Adjustment

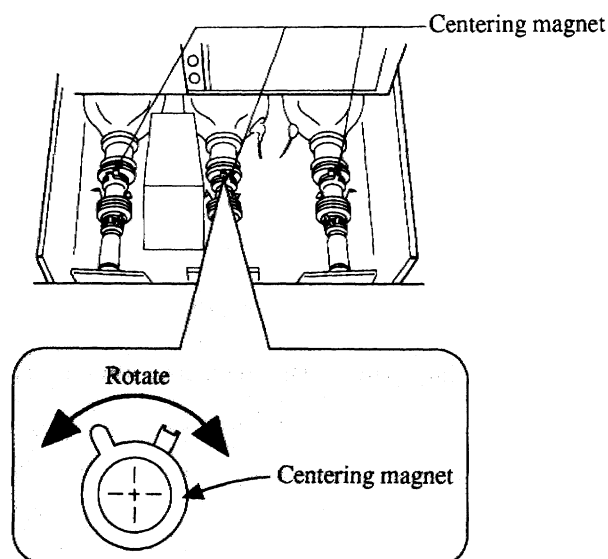
The centering magnets are an important adjustment to avoid any static convergence problems. These magnets are located on each of the CRTs and are part of the deflection yokes.

### NOTE:

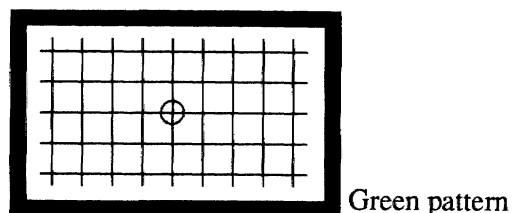
- Return the STATIC convergence data to the factory preset level by pressing the NORMAL button before performing the following procedures.
- The centering magnet adjustment should be performed for each CRT separately.
- Select the CROSS-COARSE test pattern using the TEST button on the full function remote control.

Proceed as follows:

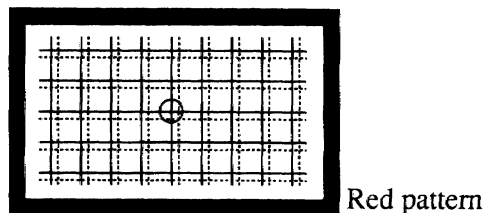
- ① Project the Green pattern using the R, G and B buttons.
  - You can turn on or off each CRT beam (R, G and B) separately.



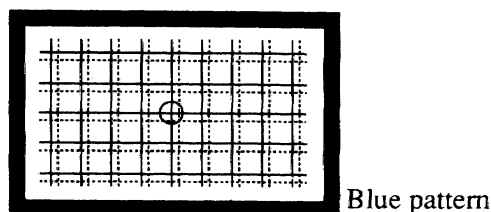
- ② Align the center of the Green pattern with the center of the screen using the centering magnet of the Green CRT.



- ③ Project the Red pattern by pressing the R button.
- ④ Align the center of the Red pattern with the center of the Green pattern by rotating the centering magnet of the Red CRT.



- ⑤ Project the Blue pattern by pressing the B button.
- ⑥ Align the center of the Blue pattern with the center of the Green pattern by rotating the centering magnet of the Blue CRT.



**NOTE:** Adjusting the centering magnet may cause the electrical focus adjustments to change. If this happens, adjust the electrical focus again.

## ADJUSTMENT

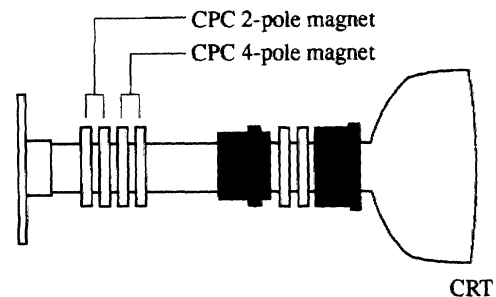
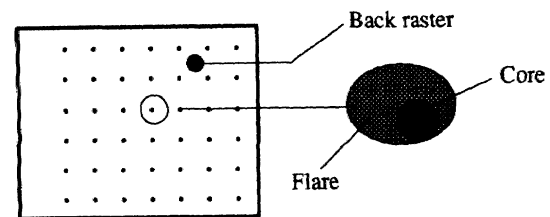
### C.P.C Magnet Adjustment

#### NOTE:

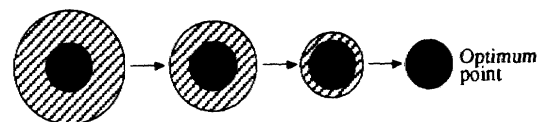
- The C.P.C magnet adjustment should be performed for each CRT separately only if you cannot obtain a good electrical focus for that CRT.
- Select the DOT-COARSE test pattern using the TEST button on the full function remote control.

Proceed as follows:

- ① Press the R, G or B button to project the CRT beam to be adjusted.
  - You can turn on or off each CRT beam (R, G and B) separately.
- ② Adjust the focus control so the flare appears around the spot.
  - See page 3-20 for the electrical focus adjustment.
  - Adjust to darken the back raster, if necessary.
- ③ Adjust the 2-pole magnet to produce a core at the center of the flare.
  - Adjust the 4-pole magnet so the flare forms a circular shape.



- ④ Adjust the focus control to make the flare disappear from the spot. Note that you should be sure to make the flare disappear by degrees.







**NOTE:** When the C.P.C. magnet adjustment has been done, the adjustment of the centering magnet and the electrical focus is slightly changed. If this happens, repeat the steps described on the centering and the electrical focus adjustment.

## Alignment Adjustment

Correct the horizontal and vertical error for the projected image.

**NOTE:** Select the **CROSS-COARSE** test pattern using the **TEST** button on the full function remote control.

Proceed as follows:

- ① Press the **ADJUST** button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the **PASSCODE**.
- ② Use the **CURSOR**  or  button to highlight the "3/ ALIGNMENT" line. Press the **ENTER** button to display the "ALIGNMENT" menu. You can also select the "ALIGNMENT" menu directly by pressing the **INPUT "3"** button.
- ③ Use the **CURSOR**  or  button to select the preferred item. Press the **ENTER** button. You can also select the alignment item directly by pressing an **INPUT** button.
  - The selected adjustment screen will be displayed.
  - See page 3-27 and 3-28 for the explanation of the selected adjustment.

### Items to select

- **TILT, SKEW** ----- Adjusts the tilt and the skew
- **BOW** ----- Adjusts the horizontal and vertical bow
- **AMPLITUDE** ----- Adjusts the horizontal and vertical amplitude of the projected image
- **LINEARITY** ----- Adjusts the horizontal and vertical linearity
- **KEY-STONE** ----- Adjusts the horizontal and vertical key-stone
- **PIN-CUSHION** ----- Adjusts the horizontal and vertical pin-cushion
- **KEY-BALANCE** ----- Adjusts the horizontal and vertical key-stone tilt balance
- **PIN-BALANCE** ----- Adjusts the horizontal and vertical pin-cushion bow balance

**NOTE:** You can also select alignment adjustments directly using **ALIGN** buttons on the full function remote control.

Continued on the next page.







```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

```

- ALIGNMENT -
1 / TILT, SKEW
2 / BOW
3 / AMPLITUDE
4 / LINEARITY
5 / KEY-STONE
6 / PIN-CUSHION
7 / KEY-BALANCE
8 / PIN-BALANCE
  
```



## ADJUSTMENT

- ④ Press the R, G and B buttons to display the Green pattern only.
- You can turn on or off each CRT beam (R, G or B) separately.
- ⑤ Use the CURSOR buttons to adjust the alignment of the projected pattern.
- The CURSOR  or  button increases or decreases the horizontal level.
  - The CURSOR  or  button increases or decreases the vertical level.
- ⑥ To end this adjustment, press the END button to display the "STORE ?" menu.
- Whenever the END button is pressed, the screen will be changed in this order:  
"ALIGNMENT" menu → "ADJUST" menu → "STORE ?" menu
- ⑦ Use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button.
- To exit this mode with the current status suspending, select "NO".

### Items to select

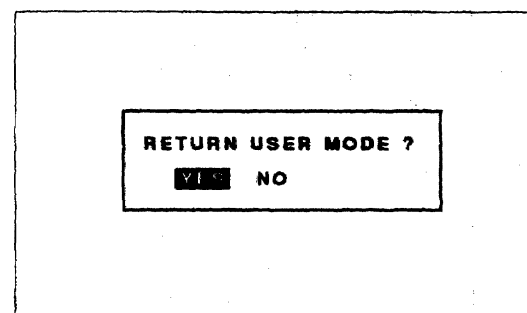
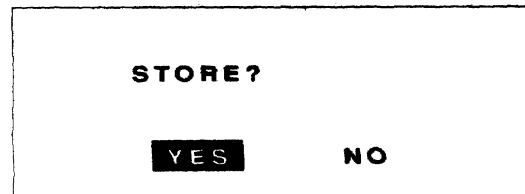
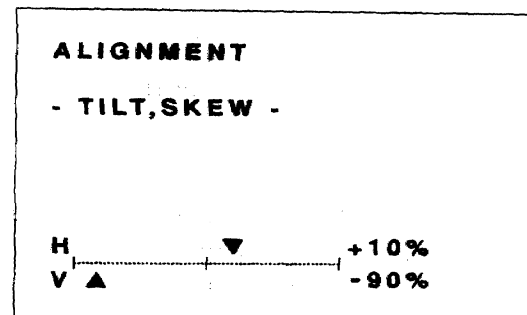
- YES ----- The data will be stored
- NO ----- The data will not be stored

**NOTE:** If you have not changed the adjustment data, the "STORE ?" menu will not be displayed.

- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

### Items to select

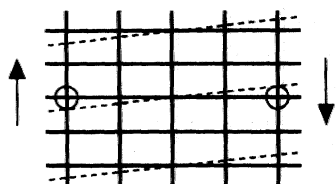
- YES --- When you try to enter the ADJUST mode again, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode again, you will not need to enter your passcode.



## Alignment Adjustment Items

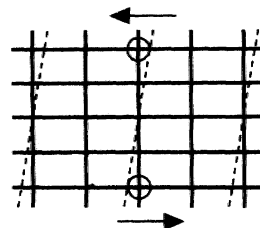
### TILT

Adjust horizontal center line.



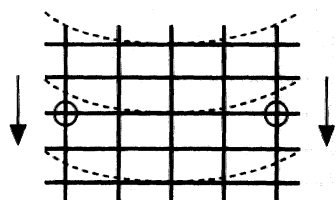
### SKEW

Adjust vertical center line.



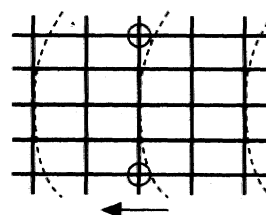
### Vertical BOW

Adjust horizontal center line bow.



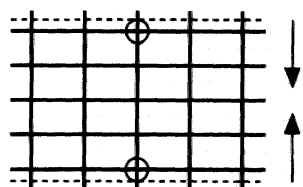
### Horizontal BOW

Adjust vertical center line bow.



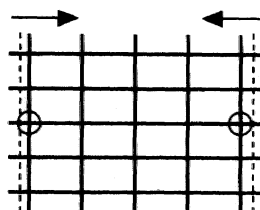
### Vertical AMPLITUDE

Adjust vertical height of image.



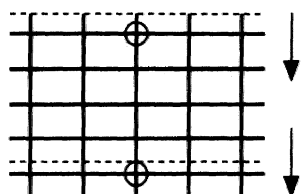
### Horizontal AMPLITUDE

Adjust horizontal size of image.



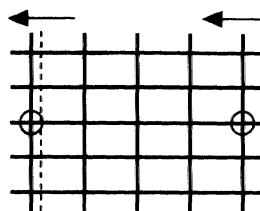
### Vertical LINEARITY

Adjust top and bottom linearity. (Test pattern)



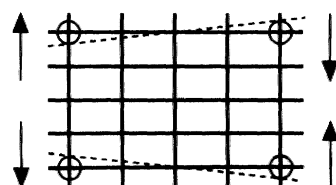
### Horizontal LINEARITY

Adjust left and right linearity. (Test pattern)



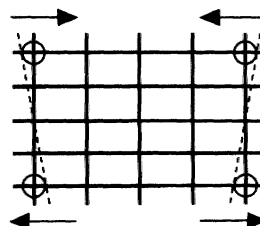
### Vertical KEY- STONE

Adjust top and bottom key-stone error.



### Horizontal KEY-STONE

Adjust left and right key-stone error.

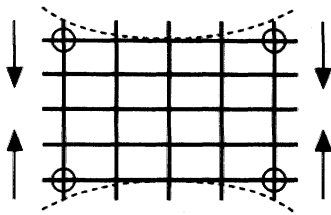


## ADJUSTMENT

### Alignment Adjustment Items

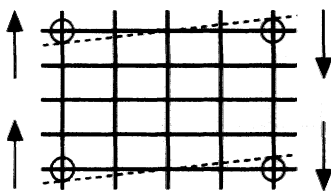
#### Vertical PIN-CUSHION

Adjust top and bottom pin-cushion error.



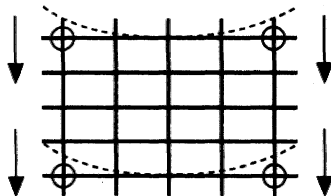
#### Vertical KEY-BALANCE

Equalize top and bottom key-stone error.



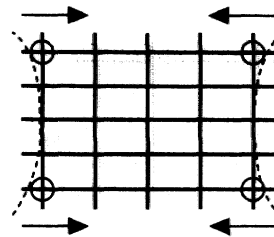
#### Vertical PIN-BALANCE

Equalize top and bottom pin-cushion error.



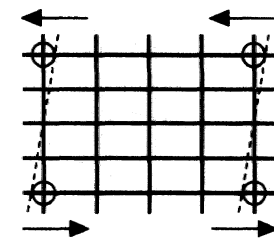
#### Horizontal PIN-CUSHION

Adjust left and right pin-cushion error.



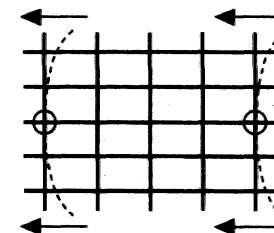
#### Horizontal KEY-BALANCE

Equalize left and right key-stone error.



#### Horizontal PIN-BALANCE

Equalize left and right pin-cushion error.







## Static Convergence Adjustment

Adjust for the red and blue CRTs to position their pattern on top of the green test pattern (center only).





**NOTE:** The static convergence adjustment should be performed for each CRT (R and B) separately.

Proceed as follows:

- ① Press the OPERATE button.
  - The "OPERATE" menu will be displayed.
- ② Use the CURSOR  or  button to highlight the "6/ STATIC" line. Press the ENTER button to display the STATIC adjustment. You can also select the STATIC adjustment screen directly by pressing the INPUT "6" button.
  - The CROSS-HAIR test pattern will be automatically displayed.

**NOTE:** When you are in the ADJUST mode, selecting the STATIC mode will not be automatically switched to the CROSS-HAIR test pattern. Select the pattern using the TEST button.

**NOTE:** The "STATIC" adjustment can be also displayed by pressing the STATIC button on the full function remote control.

- ③ Press the R or B button to display the pattern to be aligned with the Green pattern (reference color).
  - You can turn on or off each CRT beam (R and B) separately.
- ④ Hold down the CTL button then select the CRT you wish to adjust with the R and B buttons.
- ⑤ Align the center of the Red or the Blue pattern with the center of the Green pattern (reference color) using the CURSOR buttons.
  - The CURSOR  or  button increases or decreases H level.
  - The CURSOR  or  button increases or decreases V level.
- ⑥ Repeat steps ③ to ⑤ for the other CRTs if necessary.
- ⑦ To end this adjustment, press the END button to display the "STORE?" menu.
  - Whenever the END button is pressed, the screen will be changed in this order:  
"OPERATE" menu → "STORE?" menu

```

- OPERATE -
1 / PICTURE
2 / POSITION
3 / SOUND
4 / INPUT SELECT
5 / SOURCE INFO
6 / STATIC
  
```

### CONVERGENCE

- STATIC -

CRT - R -



```

H -----▼----- +10%
V -----▲----- -10%
  
```

Continued on the next page.

## ADJUSTMENT

---

- ⑧ Use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button.

### Items to select

- YES -----The data will be stored
- NO -----The data will not be stored

STORE?

YES

NO

**NOTE:** If the STATIC convergence data has not been changed, the "STORE?" menu will not be displayed.

- To exit this mode without storing the current status, select "NO".
- Will be automatically returned to the source screen.





## Dynamic Convergence Adjustment

Corrects the horizontal and vertical error for each color and align the red and blue to the green.

### NOTE:

- The dynamic convergence adjustment should be performed for each CRT (R, G and B) separately.
- Select the CROSS-COARSE test pattern using the TEST button on the full function remote control.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "4/ CONVERGENCE" line. Press the ENTER button to display the "CONVERGENCE" menu. You can also select the "CONVERGENCE" menu directly by pressing the INPUT "4" button.
- ③ Use the CURSOR  or  button to select the preferred item and then press the ENTER button. You can also select directly the dynamic convergence item by pressing an INPUT button.
  - The selected adjustment will be displayed.
  - See page 3-34 and 3-35 for the explanation of the selected adjustment.

**NOTE:** You can also select dynamic convergence directly using CONV buttons on the full function remote control. To access the KEY-BALANCE, PIN-BALANCE and LINEAR-BAL adjustments, press and hold the CTL button then select one of the KEYSTONE, PINCUSHION and LINEARITY buttons.

- ④ Press the R or B button to display the CRT beam to be aligned with the Green pattern (reference color).
  - You can turn on or off each CRT beam (R, G and B) separately.

```
- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
```





```
- CONVERGENCE -
1 / TILT, SKEW
2 / BOW
3 / AMPLITUDE
4 / LINEARITY
5 / KEY-STONE
6 / PIN-CUSHION
7 / KEY-BALANCE
8 / PIN-BALANCE
9 / LINEAR-BAL
0 / POINT
```

Continued on the next page.

## ADJUSTMENT


- ⑤ Hold down the CTL button then select the CRT you wish to adjust with the R and B buttons.


**NOTE:** Always be aware of what color the on-screen CRT display is showing (R, G, B). Even if that color's test pattern may be turned off, any adjustment to that color is still being done in the projector's memory.


- ⑥ Align the Red or the Blue pattern with the Green pattern (reference color) using the CURSOR buttons.
- The CURSOR button  or  increases or decreases H level.
  - The CURSOR button  or  increases or decreases V level.
- The following are the description of the LINEAR-BALANCE adjustment.


### ■ LINEAR-BALANCE Adjustment

- Press and hold the CTL button then press any one of the CURSOR buttons to select the position to be adjusted.

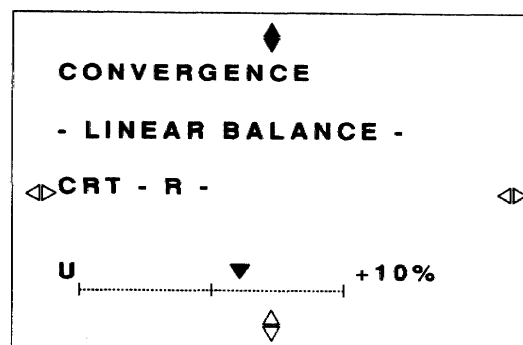
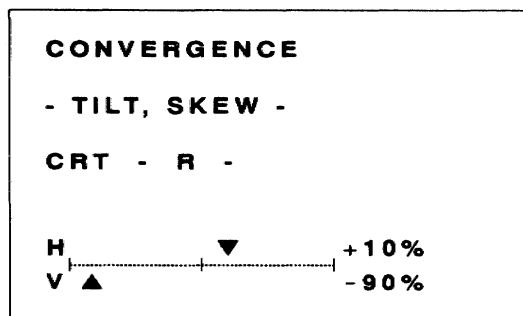
CTL +  ----- U (Up)

CTL +  ----- D (Down)

CTL +  ----- R (Right)

CTL +  ----- L (Left)

- Use the CURSOR buttons to correct the linear-balance error.



- ⑦ Repeat steps ③ to ⑥ for the other CRTs if necessary.
- Pressing the END button will return to the "CONVERGENCE" menu.
- ⑧ To end this adjustment, press the END button to display the "STORE?" menu.
- Whenever the END button is pressed, the screen will be changed in this order:  
"CONVERGENCE" → menu "ADJUST" menu → "STORE?" menu

- ⑨ Use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the ENTER button.

## Items to select

- YES -----The data will be stored
- NO -----The data will not be stored

**NOTE:** If the dynamic convergence data has not been changed, the "STORE ?" menu will not be displayed.

- To exit this mode without storing the current status, select "NO".
- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

## Items to select

- YES --- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ---- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

**NOTE:** Adjusting the dynamic convergence may cause the static convergence settings to change. If this happens, adjust the static convergence again.

**STORE ?**

**YES**
**NO**

**RETURN USER MODE ?**

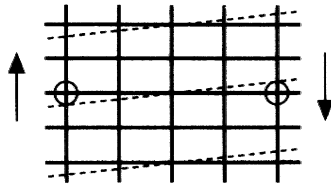
**YES**
**NO**

## ADJUSTMENT

### Convergence Adjustment Items

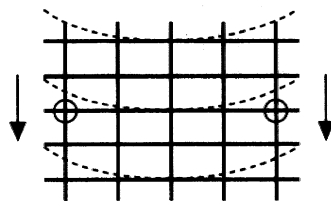
#### TILT

Adjust center horizontal line.



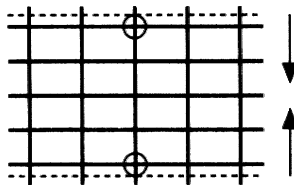
#### Vertical BOW

Adjust center horizontal bow.



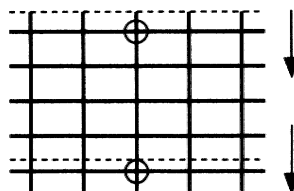
#### Vertical AMPLITUDE

Adjust top and bottom height.



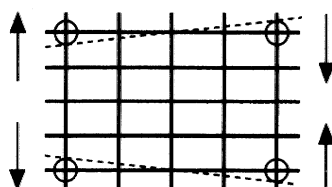
#### Vertical LINEARITY

Adjust top and bottom linearity.



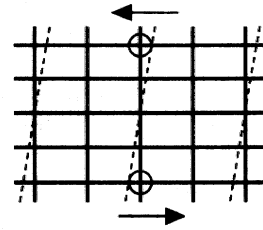
#### Vertical KEY- STONE

Adjust top and bottom key-stone error.



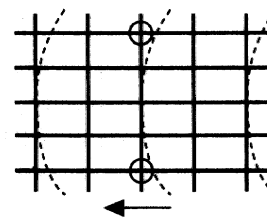
#### SKEW

Adjust center vertical line.



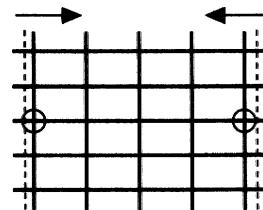
#### Horizontal BOW

Adjust center vertical bow.



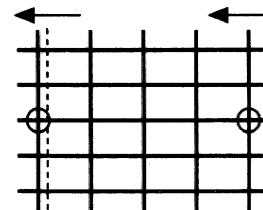
#### Horizontal AMPLITUDE

Adjust left and right width.



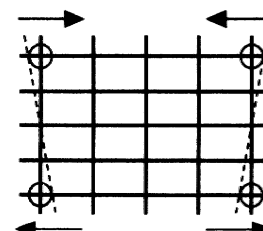
#### Horizontal LINEARITY

Adjust left and right linearity.



#### Horizontal KEY-STONE

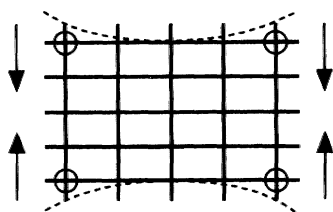
Adjust left and right key-stone error.



## Convergence Adjustment Items

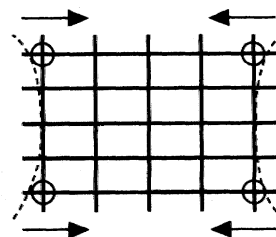
### Vertical PIN-CUSHION

Adjust top and bottom pin-cushion error.



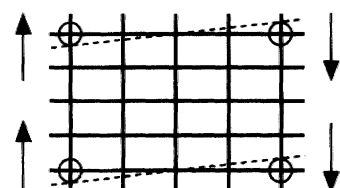
### Horizontal PIN-CUSHION

Adjust left and right pin-cushion error.



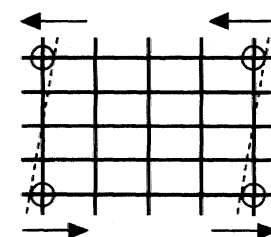
### Vertical KEY-BALANCE

Equalize top and bottom key-stone error.



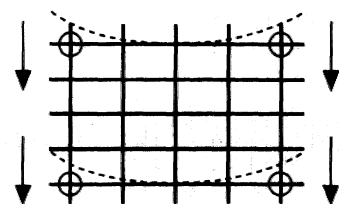
### Horizontal KEY-BALANCE

Equalize left and right key-stone error.



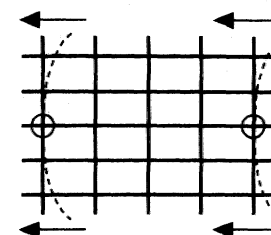
### Vertical PIN-BALANCE

Equalize top and bottom pin-cushion error.

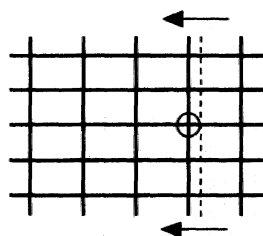


### Horizontal PIN-BALANCE

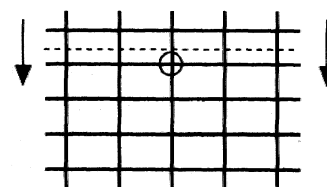
Equalize left and right pin-cushion error.



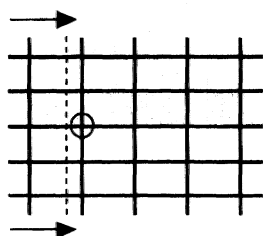
### LINEAR-BALANCE R



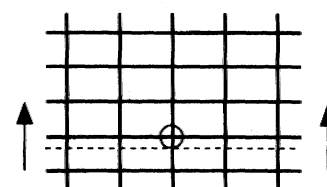
### LINEAR-BALANCE U



### LINEAR-BALANCE L



### LINEAR-BALANCE D



## ADJUSTMENT





### Point Convergence Adjustment

After you have aligned all three colors with the static and dynamic adjustments, use the point convergence to touch up any mis-convergence that would be difficult to do by way of dynamic adjustments.

#### NOTE:

- Since the point convergence function is optional for the MultiSync 6PG, you need to install the Point Convergence board and set to activate the point convergence for the MultiSync 6PG. See page 3-58 for this procedure.
- Point convergence should only be done if necessary. Over adjusting point convergence may cause the test pattern to curve.
- Point convergence should only be done for the red and blue test patterns, never the green.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
    - The projector may ask you to enter your passcode.
    - See page 3-44 for the explanation of the PASSCODE.
  - ② Use the CURSOR  or  button to highlight the "4/ CONVERGENCE" line. Press the ENTER button to display the "CONVERGENCE" menu. You can also select the "CONVERGENCE" menu directly by pressing the INPUT "4" button.
  - ③ Use the CURSOR  or  button to select the "0/POINT" line. Press the ENTER button. You can also select directly the point convergence by pressing the INPUT "10" button.
    - The CROSS-COARSE test pattern will be automatically displayed and the point adjustment will be displayed.
- NOTE:** The "POINT" adjustment can be also displayed by pressing the POINT button on the full function remote control.
- ④ Press the R or B button to display the CRT to be aligned with the Green pattern (reference color).
    - You can turn on or off each CRT beam (R, G and B) separately.

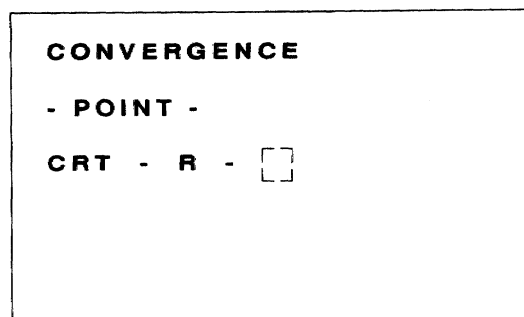
```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```





```
- CONVERGENCE -  
1 / TILT, SKEW  
2 / BOW  
3 / AMPLITUDE  
4 / LINEARITY  
5 / KEY-STONE  
6 / PIN-CUSHION  
7 / KEY-BALANCE  
8 / PIN-BALANCE  
9 / LINEAR-BAL  
0 / POINT
```

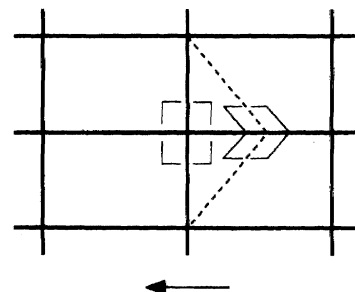


- ⑤ Hold down the CTL button then select the CRT you wish to adjust with the R and B buttons.

**NOTE:** Always be aware of what color the on-screen CRT display is showing (R, G, B). Even if that color's test pattern may be turned off, any adjustment to that color is still being done in the projector's memory.



- ⑥ Use the CURSOR buttons to move the cursor to the point to be adjusted.
  - Pressing the CURSOR  button moves the cursor to the right.
  - Pressing the CURSOR  button moves the cursor to the left.
  - Pressing the CURSOR  button moves the cursor to the top.
  - Pressing the CURSOR  button moves the cursor to the bottom.



- ⑦ Hold down the CTL button then use the CURSOR buttons to align the Red or Blue pattern with the Green pattern (reference color).

- ⑧ Repeat steps ④ to ⑦ for the other CRTs if necessary.



- ⑨ To end this adjustment, press the END button to display the "STORE ?" menu.
  - Whenever the END is pressed, the screen will be changed in this order:  
"CONVERGENCE" menu → "ADJUST" menu → "STORE?" menu

- ⑩ Use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button.

## Items to select

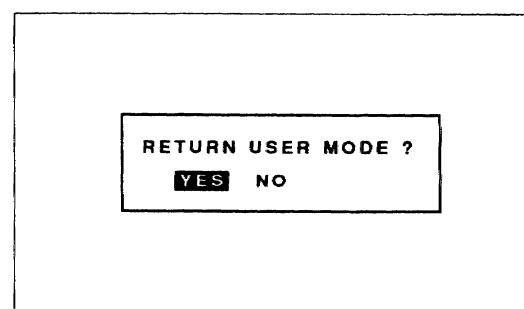
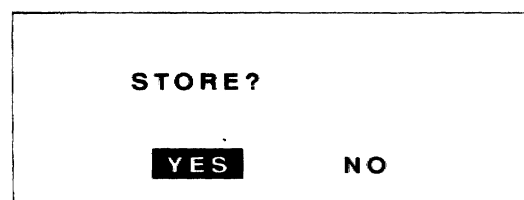
- YES ----- The data will be stored
- NO ----- The data will not be stored

**NOTE:** If the point convergence data has not been changed, the "STORE ?" menu will not be displayed.

- To exit this mode without storing the current status, select "NO".
- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

## Items to select

- YES --- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- No ---- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.



## ADJUSTMENT







### White Balance Adjustment

Adjusts the white balance.

#### NOTE:

- The white balance adjustment should be performed for each CRT (R,G and B) separately.
- Select the WHITE-WINDOW pattern using the TEST button on the full function remote control.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "5/ WHITE BAL" line. Press the ENTER button to switch to the "WHITE BALANCE" adjustment. You can also select the "WHITE BALANCE" adjustment directly by pressing the INPUT "5" button.
  - The "WHITE BALANCE" adjustment can be also displayed by using the KELVIN button on the full function remote control.
- ③ Hold down the CTL button then select the CRT you wish to adjust with the R, G and B buttons.
- ④ Use the CURSOR buttons to adjust the white and the black level.
  - The CURSOR  button increases the white level.
  - The CURSOR  button decreases the white level.
  - The CURSOR  button increases the black level.
  - The CURSOR  button decreases the black level.



**NOTE:** Perform the white adjustment in the high brightness and the black adjustment in the low brightness.

- ⑤ Repeat steps ③ to ④ for the other CRTs if necessary.
- ⑥ To end this adjustment, press the END button to display the "STORE?" menu.
  - Whenever the END button is pressed, the screen will be changed in this order:  
"ADJUST" menu → "STORE?" menu

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

#### WHITE BALANCE

CRT - R -

W  60%  
B  10%

- ⑦ Use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the ENTER button.

**Items to select**

- YES -----The data will be stored
- NO -----The data will not be stored

**NOTE:** If the white balance data has not been changed, the "STORE ?" menu will not be displayed.

- To exit this mode without storing the current status, select "NO".
- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES --- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

STORE ?

☒ YES

NO

RETURN USER MODE ?

☒ YES

NO







## ADJUSTMENT

### R, G and B Gain Adjustment

Adjusts the input level of the signal.

**NOTE:** This adjustment works only with the ISS-6010/ISS-6010G Switcher.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "6/R, G, B GAIN" line. Press the ENTER button to display the "R, G, B GAIN" adjustment screen. You can also select the "R, G, B GAIN" adjustment screen directly by pressing the INPUT "6" button.
- ③ Hold down the CTL button then select the CRT you wish to adjust with the R, G and B buttons.
- ④ Use the CURSOR buttons to adjust the level of the input signal.
  - The CURSOR ,  button increases the input level.
  - The CURSOR ,  button decreases the input level.
- ⑤ Repeat steps ③ and ④ for other input signals if necessary.
- ⑥ To end this adjustment, press the END button to display the "STORE?" menu.
  - Whenever the END button is pressed, the screen will be changed in this order:  
"ADJUST" menu → "STORE?" menu

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

R,G,B GAIN

CRT - R -

-----▼----- 10%

- ⑦ Use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button.

## Items to select

YES ----- The data will be stored  
NO ----- The data will not be stored

**NOTE:** If the R, G, B gain adjustment has not been changed, the "STORE ?" menu will not be displayed.

- To exit this mode without storing the current status, select "NO".
- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

## Items to select

- YES --- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

STORE ?

☒ YES

☐ NO

RETURN USER MODE ?



☒ YES

☐ NO

## ADJUSTMENT

### Checking and Setting the Running Time

The projector will give you the amount of operating time.  
Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "7/HOUR METER" line. Press the ENTER button to display the "HOUR METER" screen.
  - You can also select the "HOUR METER" screen directly by pressing the INPUT "7" button.

#### Items to select

- PJ RUNNING TIME  
The amount of operating time of PJ.
- CRT RUNNING TIME  
The amount of operating time of CRT.
- USER PJ RUNNING TIME  
The amount of operating time of PJ. User resettable
- USER CRT RUNNING TIME  
The amount of operating time of CRT. User resettable

#### How to reset the user PJ or CRT running time:

- 1) Use the CURSOR buttons to select the item and then press the ENTER button.
  - The "PJ RUNNING TIME RESET ?" or "CRT RUNNING TIME RESET ?" menu will be displayed.

#### Items to select

- YES ----- The time will be reset
- NO ----- The time will not be reset.

- The display will be returned to the "HOUR METER" screen.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

#### HOUR METER

```
PJ RUNNING TIME  
****H   **M  
  
CRT RUNNING TIME  
****H   **M  
  
USER PJ RUNNING TIME  
****H   **M  
  
USER CRT RUNNING TIME  
****H   **M
```

```
PJ RUNNING TIME RESET ?  
YES NO
```

③ To end the HOUR METER display, press the END button.

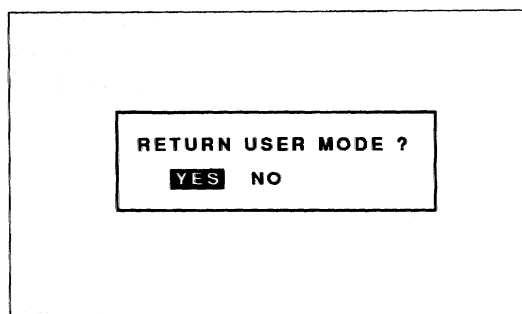
- Whenever the END button is pressed, the screen will be changed in this order:

"ADJUST" menu → Source screen

- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES --- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ---- When you try to enter the ADJSUT mode the next time, you will not need to enter your passcode.



## ADJUSTMENT

### Entering Passcode

To prevent any mis-adjustment, the projector is equipped with a passcode option. If your passcode has not been entered correctly, the "ADJUST" menu will not be displayed. When the ADJUST button is pressed, if no passcode has been entered, the "PASSCODE?" screen will be displayed. Enter your passcode.

To do this, proceed as follows:

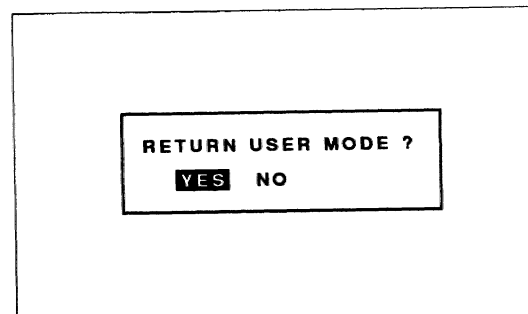
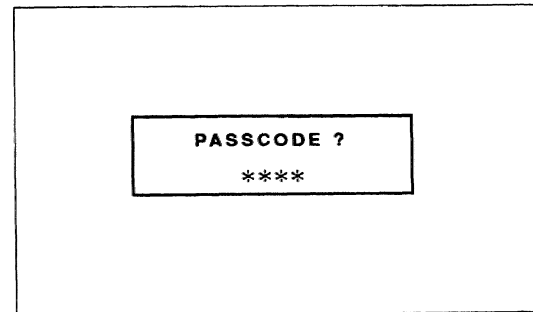
- ① Press the ADJUST button.
  - The "PASSCODE ?" screen will be displayed.
- ② Enter the four digit passcode you have already recorded by using the INPUT "1" through "10(0)" buttons.
  - 1) Each press of the INPUT button will display an asterisk under the "PASSCODE ?" message.
  - 2) After you have finished entering the four digit passcode, press the ENTER button.

**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct passcode. To delete all the entered digits, hold down the CTL button then press the NORMAL button.

- 3) If the entered passcode is correct, the "ADJUST" menu will be displayed.

**NOTE:** If the passcode is not correct, the "WARNING DIFFERENT PASSCODE !!" message will be displayed and you will be required to enter the correct passcode.

- ③ Proceed to each adjustment and setting.
  - The "RETURN USER MODE ?" menu will be displayed.







## Registering Passcode



When the projector is shipped from the factory, no passcode is registered. If you want to use the passcode option, you must register a passcode.

To register a new passcode, proceed as follows:

- ① Press the ADJUST button.
  - The "ADJUST" menu will be displayed.
- ② Use the CURSOR  or  button to highlight the "8/PASSCODE" line. Press the ENTER button to display the "PASSCODE" menu. You can also select the "PASSCODE" menu directly by pressing the INPUT "8" button.

```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

- ③ Use the CURSOR  or  button to select "ENTRY". Press the ENTER button to display the "NEW PASSCODE?" menu. You can also select the "NEW PASSCODE?" menu directly by pressing the INPUT "1" button.

```

- PASSCODE -
1 / ENTRY
2 / DISABLE
  
```

- ④ Enter a four digit passcode using the INPUT "1" through "10(0)" buttons.
  - 1) Each press of the INPUT button will display an asterisk under the "NEW PASSCODE?" message.

**NOTE:** "0000" and "9999" cannot be used as a passcode.

- 2) After you have finished entering your four digit passcode, press the ENTER button.

**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct passcode.

To delete all the entered digits, hold down the CTL button then press the NORMAL button.

- 3) If the passcode has been entered correctly, the "CONFIRM NEW PASSCODE ?" menu will be displayed.

**NOTE:** If the passcode is not entered correctly, the "WARNING DIFFERENT PASSCODE !!" message will be displayed. You will be required to enter the passcode correctly.

```

NEW PASSCODE ?
  
```

Continued on the next page.

## ADJUSTMENT

- ⑤ Enter the new passcode again using the INPUT "1" through "10(0)" buttons.

1) Each press of the INPUT button will display an asterisk under the "CONFIRM NEW PASSCODE?" message.

2) After you have finished entering the four digit new passcode, press the ENTER button.



**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct passcode.

To delete all the entered digits, hold down the CTL button then press the NORMAL button.

3) If the entered passcode is correct, the "CHANGE PASSCODE COMPLETE !!" message will be displayed.

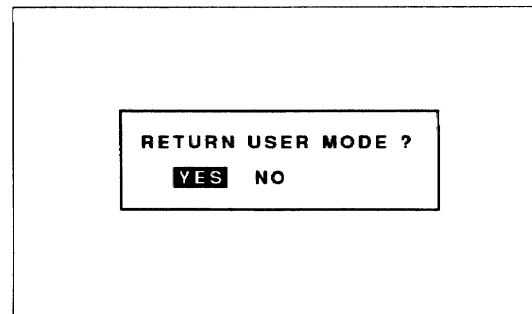
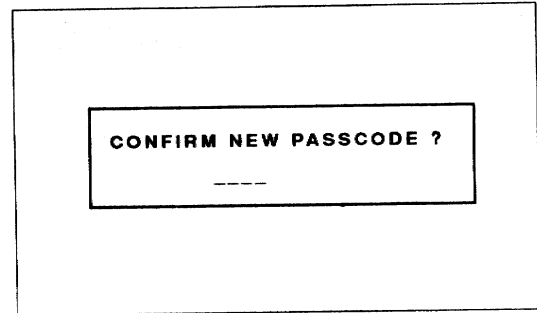
**NOTE:** If the passcode is not correct, the "WARNING DIFFERENT PASSCODE !!" message will be displayed. You will be required to enter the new passcode correctly.

- ⑥ To complete, press the END button.

- When the END button is pressed once, the "RETURN USER MODE ?" menu will be displayed. Use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.



### Items to select

- YES -- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO --- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.





## Changing Your Passcode

To change your passcode, proceed as follows:

- ① Press the ADJUST button.
  - The "PASSCODE ?" screen will be displayed.
- ② Enter the four digit current passcode using the INPUT "1" through "10 (0)" buttons. Press the ENTER button.
  - The "ADJUST" menu will be displayed.
- ③ Use the CURSOR  or  button to highlight the "8/PASSCODE" line. Press the ENTER button to display the "PASSCODE" menu. You can also select the "PASSCODE" menu directly by pressing the INPUT "8" button.

```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

- ④ Use the CURSOR  or  button to select "1/ENTRY". Press the ENTER button to display the "CURRENT PASSCODE ?" menu. You can also select the "CURRENT PASSCODE ?" menu directly by pressing the INPUT "1" button.

```

- PASSCODE -
1 / ENTRY
2 / DISABLE
  
```

- ⑤ Enter the four digit passcode (the current passcode) using the INPUT "1" through "10 (0)" buttons.
  - 1) Each press of the INPUT button will display an asterisk under the "CURRENT PASSCODE ?" message.
  - 2) After you have finished entering the four digit pass code, press the ENTER button.

**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct pass code. To delete all the entered digits, hold down the CTL button then press the NORMAL button.

- 3) If the entered pass code is correct, the "NEW PASS CODE?" screen will be displayed.

**NOTE:** If the passcode is not correct, the "WARNING DIFFERENT PASSCODE !!" message will be displayed. You will be required to enter the correct current passcode.

```

CURRENT PASSCODE ?
      *****
  
```

Continued on the next page.

## ADJUSTMENT

- ⑥ Enter a new passcode using the INPUT "1" through "10(0)" buttons.

1) Each press of the INPUT button will display an asterisk under the "NEW PASSCODE ?" message.

2) After you have finished entering the four digit new passcode, press the ENTER button.

**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct passcode. To delete all the entered digits, hold down the CTL button then press the NORMAL button.

3) If the passcode has been entered correctly, the "CONFIRM NEW PASSCODE ?" menu will be displayed.

**NOTE:** If the passcode is not entered correctly, the "WARNING DIFFERENT PASSCODE !!" message will be displayed. You will be required to enter the new passcode correctly.

- ⑦ Enter the new pass code again using the INPUT "1" through "10(0)" buttons.

1) Each press of the INPUT button will display an asterisk under the "CONFIRM NEW PASSCODE ?" message.

2) After you have finished entering the four digit new pass code, press the ENTER button.

**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct passcode. To delete all the entered digits, hold down the CTL button then press the NORMAL button.

3) If the entered passcode is correct, the "CHANGE PASSCODE COMPLETE !!" message will be displayed.

**NOTE:** If the passcode is not correct, the "WARNING DIFFERENT PASSCODE !!" message will be displayed. You will be required to enter the new passcode correctly.

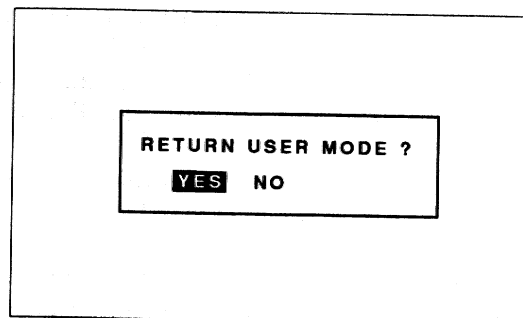
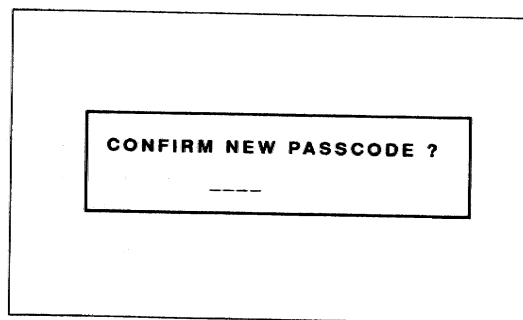
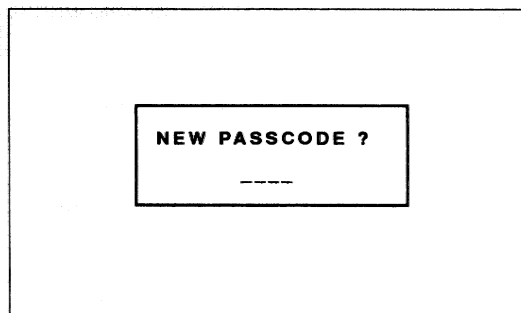
- ⑧ To complete, press the END button.

- When the END button is pressed once, the "RETURN USER MODE ?" menu will be displayed.

Use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.



### Items to select

- YES -- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO --- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.





## Canceling Your Passcode

To cancel the passcode, proceed as follows:

- ① Press the ADJUST button.
  - The "PASSCODE ?" screen will be displayed.
- ② Enter the four digit current passcode using the INPUT "1" through "10 (0)" buttons and then press the ENTER button.
  - The "ADJUST" menu will be displayed.
- ③ Use the CURSOR  or  button to highlight "8/PASSCODE". Press the ENTER button to display the "PASSCODE" menu. You can also select the "PASSCODE" menu directly by pressing the INPUT "8" button.

```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

- ④ Use the CURSOR  or  button to select "2/DISABLE". Press the ENTER button to display the "CURRENT PASSCODE ?" menu. You can also select the "CURRENT PASSCODE ?" menu directly by pressing the INPUT "2" button.

```

- PASSCODE -
1 / ENTRY
2 / DISABLE
  
```

- ⑤ Enter the four digit passcode (the current passcode) using the INPUT "1" through "10 (0)" buttons.
  - 1) Each press of the INPUT button will display an asterisk under the "CURRENT PASSCODE ?" message.
  - 2) After you have finished entering the four digit passcode, press the ENTER button.

```

CURRENT PASSCODE ?
      *****
  
```

**NOTE:** If you have made an error in the input, press the NORMAL button to delete the asterisk "\*". Then enter the correct passcode. To delete all the entered digits, hold down the CTL button then press the NORMAL button.

- 3) If the entered passcode is correct, the "PASSCODE DIS-ABLE ?" menu will be displayed.

**NOTE:** If the passcode is not correct, the "WARNING DIFFERENT PASSCODE !!" message will be displayed. You will be required to enter your correct passcode.

Continued on the next page.

## ADJUSTMENT

- ⑥ Use the CURSOR  or  button to select either "YES" or "NO" and then press the ENTER button.

### Items to select







- YES --- When selecting "YES", the current passcode will be canceled. You will not be required to enter your passcode when you press the ADJUST button to re-enter the ADJUST mode .
- NO ----- When selecting "NO", the current passcode will remain in effect.

PASSCODE DISABLE ?

YES  NO

## Setting for Connecting with the Switcher

This setting determines how the projector is used with the ISS-6010/ISS-6010G Switcher.

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "1/SETTING MODE" line. Press the ENTER button to display the "SETTING MODE" menu. You can also select the "SETTING MODE" menu directly by pressing the INPUT "1" button.
- ④ Use the CURSOR  or  button to select the "CONNECT CONDITION" line. Press the ENTER button to display the "CONNECT CONDITION" menu.



```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

```

- OPTION -
1 / SETTING MODE
2 / MENU MODE
3 / SEQUENCER
4 / PJ ADDRESS
  
```

| OPTION               | -SETTING MODE-                         |
|----------------------|--|
| CONNECT CONDITION    | STANDALONE<br>SW 1 LEVEL<br>SW 2 LEVEL |
| AUTO POWER ON MODE   | INACTIVE<br>ACTIVE                     |
| DEFAULT INPUT SELECT | LAST<br>DEFAULT                        |
| POINT CONVERGENCE    | ENABLE<br>DISABLE                      |
| VIDEO MODE SELECT    | AUTO<br>MANUAL                         |

- ⑤ Use the CURSOR  or  button to select your desired connect condition of Switcher and press the ENTER button to execute it.

### Items to select

- STAND ALONE - The projector used in stand alone operation
- SW 1 LEVEL ----- The projector used with one ISS-6010
- SW 2 LEVEL ----- The projector used with two or more ISS-6010

```

CONNECT CONDITION
STANDALONE
SW 1 LEVEL
SW 2 LEVEL
  
```

Continued on the next page.

## SETTING

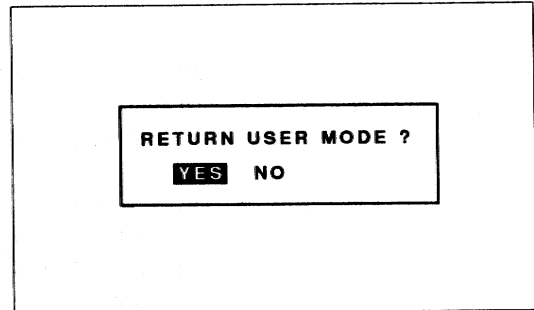
---

⑥ To complete, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"OPTION" menu → "ADJUST" menu → Source screen
- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select "YES" or "NO" and then press the ENTER button.

### Items to select

- YES ---- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.





## Auto Power ON Mode Setting

The AUTO POWER ON MODE is a convenient way to start up the projector without pressing the POWER button. You can turn the projector on and off by supplying AC power to the projector. To do this, proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  $\Delta$  or  $\nabla$  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  $\Delta$  or  $\nabla$  button to highlight the "1/SETTING MODE" line. Press the ENTER button to display the "SETTING MODE" menu. You can also select the "SETTING MODE" menu directly by pressing the INPUT "1" button.
- ④ Use the CURSOR  $\Delta$  or  $\nabla$  button to select the "AUTO POWER ON MODE" line. Press the ENTER button to display the "AUTO POWER ON MODE" menu.

```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

```

- OPTION -
1 / SETTING MODE
2 / MENU MODE
3 / SEQUENCER
4 / PJ ADDRESS
  
```

| OPTION               | -SETTING MODE-                         |
|----------------------|--|
| CONNECT CONDITION    | STANDALONE<br>SW 1 LEVEL<br>SW 2 LEVEL |
| AUTO POWER ON MODE   | INACTIVE<br>ACTIVE                     |
| DEFAULT INPUT SELECT | LAST<br>DEFAULT                        |
| POINT CONVERGENCE    | ENABLE<br>DISABLE                      |
| VIDEO MODE SELECT    | AUTO<br>MANUAL                         |

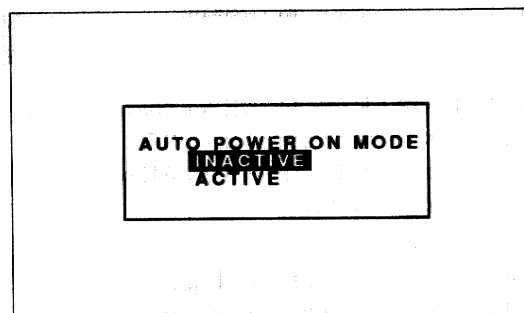
Continued on the next page.

## SETTING

- ⑤ Use the CURSOR ☐ or ☒ button to select either "ACTIVE" or "INACTIVE" and press the ENTER button to execute it.

### Items to select

- INACTIVE --- Normal operation setting. Power ON is accomplished through the rear panel or the POWER button on the remote control.
- ACTIVE ----- Bypasses rear panel power button ( or the POWER button on the remote control) to allow power ON to be controlled switched outlet.

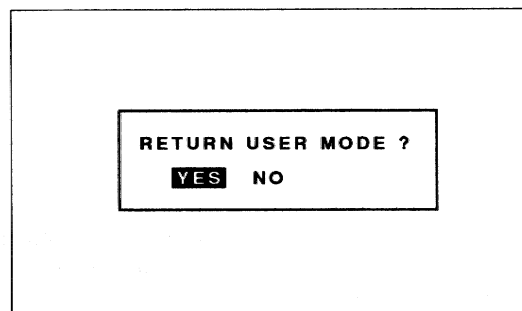


- ⑥ To complete, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"OPTION" menu → "ADJUST" menu → Source screen
- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☒ button to select either "YES" or "NO" and then press the ENTER button.

### Items to select

- YES ---- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.





## Default Input Selection

You can set the projector to default to any one of its inputs each time the projector is turned on.



Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.

- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.



```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

- ③ Use the CURSOR  or  button to highlight the "1/SETTING MODE" line. Press the ENTER button to display the "SETTING MODE" menu. You can also select the "SETTING MODE" menu directly by pressing the INPUT "1" button.

```

- OPTION -
1 / SETTING MODE
2 / MENU MODE
3 / SEQUENCER
4 / PJ ADDRESS
  
```

- ④ Use the CURSOR  or  button to select the "DEFAULT INPUT SELECT" line. Press the ENTER button to display the "DEFAULT INPUT SELECT" menu.

| OPTION               | -SETTING MODE-                         |
|----------------------|--|
| CONNECT CONDITION    | STANDALONE<br>SW 1 LEVEL<br>SW 2 LEVEL |
| AUTO POWER ON MODE   | INACTIVE<br>ACTIVE                     |
| DEFAULT INPUT SELECT | LAST<br>DEFAULT                        |
| POINT CONVERGENCE    | ENABLE<br>DISABLE                      |
| VIDEO MODE SELECT    | AUTO<br>MANUAL                         |

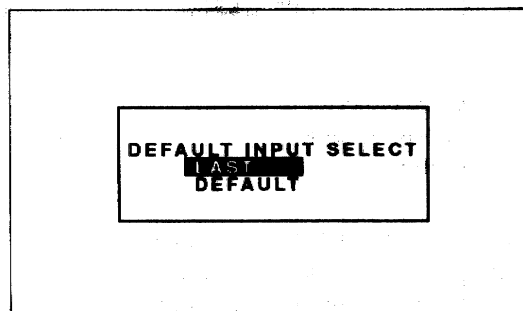
Continued on the next page.

## SETTING

- ⑤ Use the CURSOR ☐ or ☒ button to select either "LAST" or "DEFAULT" and press the ENTER button.
- Selecting "LAST" completes setting. Go on to step ⑦.
  - Selecting "DEFAULT" displays the "Default input" screen. Go on to step ⑥.

### Items to select

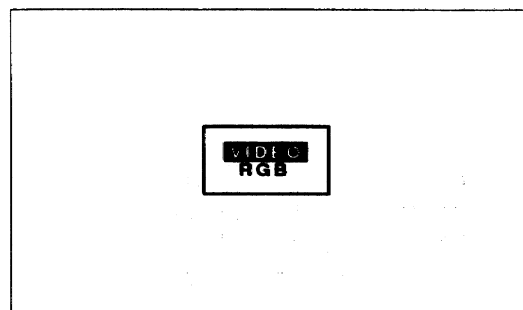
- LAST ----- Sets the projector to default to the last viewed input each time the projector is turned on. Note that if you turn the projector off with the main POWER switch or the power outlet, the projector will display the last signal source which was displayed for ten minutes or more before the main power is turned off.
- DEFAULT ---- Displays the same source input every time the projector is started up



- ⑥ Use the CURSOR ☐ or ☒ button to select an input and then press the ENTER button.

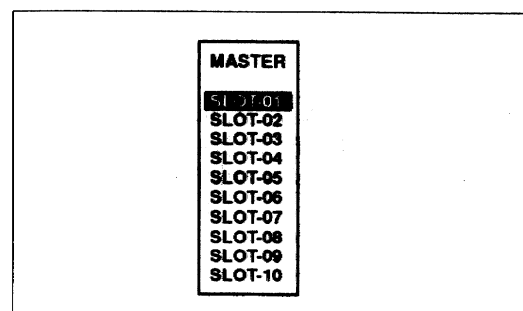
### ■ When used in stand alone operation:

The "VIDEO/RGB" default input screen will be displayed. Use the CURSOR ☐ or ☒ button to select either "VIDEO" or "RGB" and press the ENTER button.



### ■ When used with a single Switcher:

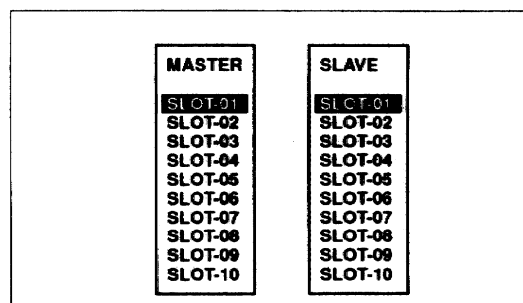
The "MASTER" slot menu will be displayed. Use the CURSOR ☐ or ☒ button to select the desired slot number "1" through "10 (0)" and then press the ENTER button.



### ■ When used with two or more Switchers:

The "MASTER" and "SLAVE" slot number menu will be displayed.

Use the CURSOR ☐ or ☒ button to select the master slot number first and then select the slave slot number "1" through "10(0)". Press the ENTER button.



⑦ To complete, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"OPTION" menu → "ADJUST" menu → Source screen
- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES ----When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO -----When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.



RETURN USER MODE ?  
**YES** NO



## SETTING

### Setting for Using Point Convergence



You can activate the point convergence function after installing the point convergence board.

**NOTE:** You need to install the optional Point Convergence board for the MultiSync 6PG.



To activate the point convergence, proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

- ③ Use the CURSOR  or  button to highlight the "1/SETTING MODE" line. Press the ENTER button to display the "SETTING MODE" menu. You can also select the "SETTING MODE" menu directly by pressing the INPUT "1" button.

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

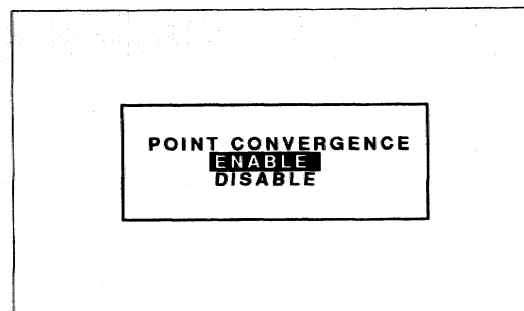
- ④ Use the CURSOR  or  button to select the "POINT CONVERGENCE". Press the ENTER button to display the "POINT CONVERGENCE" menu.

| OPTION               | -SETTING MODE-                         |
|----------------------|--|
| CONNECT CONDITION    | STANDALONE<br>SW 1 LEVEL<br>SW 2 LEVEL |
| AUTO POWER ON MODE   | INACTIVE<br>ACTIVE                     |
| DEFAULT INPUT SELECT | LAST<br>DEFAULT                        |
| POINT CONVERGENCE    | ENABLE<br>DISABLE                      |
| VIDEO MODE SELECT    | AUTO<br>MANUAL                         |

- ⑤ Use the CURSOR  or  button to select either "ENABLE" or "DISABLE" and then press the ENTER button.

**Items to select**

- ENABLE -----The "0/POINT" item will be added to the "CONVERGENCE" menu. The point convergence will be activated
- DISABLE -----The "0/POINT" item will be deleted from "CONVERGENCE" menu. The point convergence will not be activated

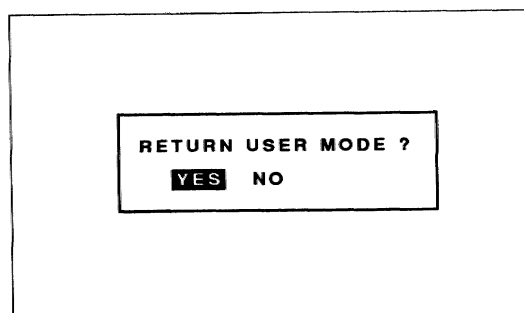


- ⑥ To end, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"OPTION" menu → "ADJUST" menu → Source screen
- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES ----When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO -----When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.









## SETTING

### Video Mode Selection

This function is used to select the NTSC 3.58, NTSC 4.43, PAL or SECAM video standard.

To select any one of the video standards, proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OP-TION" line. Press the ENTER button to display the "OP-TION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "1/SET-TING MODE" line. Press the ENTER button to display the "SETTING MODE" menu. You can also select the "SETTING MODE" menu directly by pressing the INPUT "1" button.
- ④ Use the CURSOR  or  button to select the "VIDEO MODE SELECT" line. Press the ENTER button to display the "VIDEO MODE SELECT" menu.
  - The "VIDEO MODE SELECT" menu will be displayed.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

| OPTION               | -SETTING MODE-                         |
|----------------------|--|
| CONNECT CONDITION    | STANDALONE<br>SW 1 LEVEL<br>SW 2 LEVEL |
| AUTO POWER ON MODE   | INACTIVE<br>ACTIVE                     |
| DEFAULT INPUT SELECT | LAST<br>DEFAULT                        |
| POINT CONVERGENCE    | ENABLE<br>DISABLE                      |
| VIDEO MODE SELECT    | AUTO<br>MANUAL                         |



- ⑤ Use the CURSOR ☐ or ☐ button to select either "AUTO" or "MANUAL" and then press the ENTER button.

#### When selecting "AUTO"

One of the video standards is selected automatically.

#### Video Modes

- NTSC3.58 ----- Indicates the NTSC3.58 video standard
- NTSC4.43 ----- Indicates the NTSC4.43 video standard
- PAL ----- Indicates the PAL video standard
- SECAM ----- Indicates the SECAM video standard
- RGB ----- Indicates the RGB mode

- Select "AUTO" in normal operation.

#### When selecting "MANUAL"

The "MANUAL MODE SELECT" menu will be displayed. Use the CURSOR ☐ or ☐ button to select the preferred video mode and then press the ENTER button.

#### Items to select

- NTSC3.58 ----- Switch to the NTSC3.58 mode
- NTSC4.43 ----- Switch to the NTSC4.43 mode
- PAL ----- Switch to the PAL mode
- SECAM ----- Switch to the SECAM mode

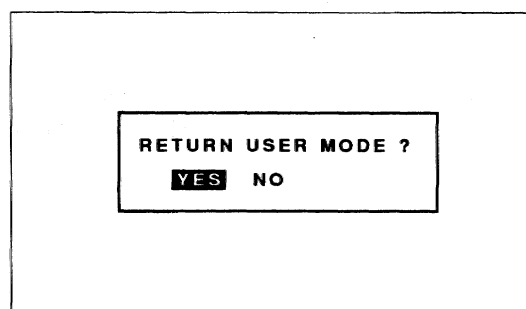
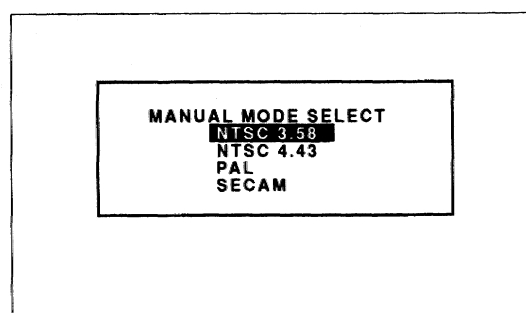
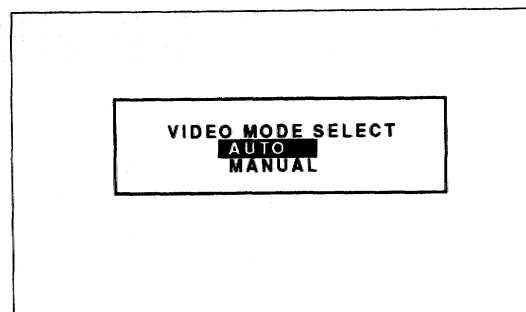
- Select "MANUAL" when connecting the poor quality signal or non-standard signal such as a video game.

- ⑥ To complete, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"ADJUST" menu → Source screen
- When your passcode is active, the "RETURN USER MODE ?" menu will be displayed. If this happens, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the ENTER button.

#### Items to select







- YES ----- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.



## On-screen Display Mode Setting

There are two modes of operations for the on-screen display. When you are in the AUTO mode, the on-screen display will automatically be turned off after ten seconds. In the MANUAL mode, the display must be manually turned off with the DISPLAY button on the full function remote control each time it appears. In both modes the DISPLAY button will turn on the on-screen display.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "2/MENU MODE" line. Press the ENTER button to display the "MENU MODE" menu. You can also select the "MENU MODE" menu directly by pressing the INPUT "2" button.
- ④ Use the CURSOR  or  button to highlight the "MESSAGE MODE" line. Press the ENTER button to display the "MESSAGE MODE" menu.

```

- ADJUST -
1 / SIGNAL ENTRY
2 / FOCUS
3 / ALIGNMENT
4 / CONVERGENCE
5 / WHITE BAL
6 / R,G,B GAIN
7 / HOUR METER
8 / PASSCODE
9 / OPTION
  
```

```

- OPTION -
1 / SETTING MODE
2 / MENU MODE
3 / SEQUENCER
4 / PJ ADDRESS
  
```

| OPTION            | -MENU MODE-    |
|-------------------|----------------|
| MESSAGE MODE      | AUTO<br>MANUAL |
| MESSAGE COLOR     | COLOR<br>GREEN |
| DATE,TIME DISPLAY | ON<br>OFF      |
| DATE,TIME PRESET  |                |

- ⑤ Use the CURSOR ☐ or ☒ button to select either "AUTO" or "MANUAL" and press the ENTER button.

**Items to select**

- **AUTO** ----- The on-screen menu display appears when the buttons on the remote control, or the rear panel are pressed. The display will stay on for about 10 seconds.
- **MANUAL** ---- The on-screen menu display appears when the buttons on the remote control, or the rear panel are pressed. The display will be turned on and off whenever the DISPLAY button is pressed.



MESSAGE MODE  
**AUTO**  
MANUAL

- ⑥ To end this mode, press the END button .

- When the END button is pressed, the screen will be changed in this order:  
"OPTION" menu → "ADJUST" menu → Source screen
- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☒ button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- **YES** ---- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- **NO** ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.











RETURN USER MODE ?  
**YES** NO

## SETTING

### On-screen Display Color Setting

You can select two modes (color and green) for the color of the on-screen display menus, or messages.

Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "2/MENU MODE" line. Press the ENTER button to display the "MENU MODE" menu. You can also select the "MENU MODE" menu directly by pressing the INPUT "2" button.
- ④ Use the CURSOR  or  button to highlight the "MESSAGE COLOR" line. Press the ENTER button to display the "MESSAGE COLOR" menu.
- ⑤ Use the CURSOR  or  button to select either "COLOR" or "GREEN" and press the ENTER button.

#### Items to select

- COLOR -----The on-screen characters will be displayed in color.
- GREEN -----The on-screen characters will be displayed in green only.

**NOTE:** It is recommended, if the on-screen message interferes with the display image on the "COLOR" mode, that you select "GREEN".

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

| OPTION             | -MENU MODE-    |
|--------------------|----------------|
| MESSAGE MODE       | AUTO<br>MANUAL |
| MESSAGE COLOR      | COLOR<br>GREEN |
| DATE, TIME DISPLAY | ON<br>OFF      |
| DATE, TIME PRESET  |                |

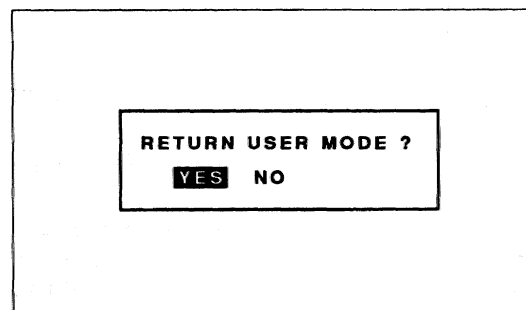
```
MESSAGE COLOR  
COLOR  
GREEN
```

⑥ To end this mode, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:  
"OPTION" menu → "ADJUST" menu → Source screen
- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES ---- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.





## SETTING



### Date, Time Display Setting

The current year, month, date and time are displayed on the top of the screen.



Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OP-TION" line. Press the ENTER button to display the "OP-TION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.



```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

- ③ Use the CURSOR  or  button to highlight the "2/MENU MODE" line. Press the ENTER button to display the "MENU MODE" menu. You can also select the "MENU MODE" menu directly by pressing the INPUT "2" button.

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

- ④ Use the CURSOR  or  button to highlight the "DATE,TIME DISPLAY" line. Press the ENTER button to display the "DATE,TIME DISPLAY" menu.

| OPTION            | -MENU MODE-    |
|-------------------|----------------|
| MESSAGE MODE      | AUTO<br>MANUAL |
| MESSAGE COLOR     | COLOR<br>GREEN |
| DATE,TIME DISPLAY | ON<br>OFF      |
| DATE,TIME PRESET  |                |

- ⑤ Use the CURSOR  or  button to select either "ON" or "OFF" and press the ENTER button.

#### Items to select

- ON ---- The present year, month, date and time will be displayed.
- OFF --- The present year, month, date and time will not be displayed.

```
DATE,TIME DISPLAY  
ON  
OFF
```

⑥ To end this mode, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:

"OPTION" menu → "ADJUST" menu → Source screen

- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES ---- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.







RETURN USER MODE ?

☒ YES NO

## SETTING

### Entering Date and Time

You can enter the year, date and time.  
Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "2/MENU MODE" line. Press the ENTER button to display the "MENU MODE" menu. You can also select the "MENU MODE" menu directly by pressing the INPUT "2" button.
- ④ Use the CURSOR  or  button to highlight the "DATE, TIME PRESET" line. Press the ENTER button to display the "DATE, TIME PRESET" screen.
- ⑤ Use INPUT buttons to enter year, month, day, hour, minute, and second and press the ENTER button.
  - Pressing the END button will turn off the "DATE, TIME PRESET" screen and the screen will return to the "MENU MODE" menu.
  - If you made an error in entering data, press the END button to return to the "MENU MODE" menu then start again.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

```
OPTION -MENU MODE-  
MESSAGE MODE      AUTO  
                   MANUAL  
MESSAGE COLOR     COLOR  
                   GREEN  
DATE, TIME DISPLAY ON  
                   OFF  
DATE, TIME PRESET
```

```
DATE, TIME PRESET  
(MM/DD/YY) (HH:MM:SS)  
_/_/_/_ _:_:_:_
```



⑥ To end this mode, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:

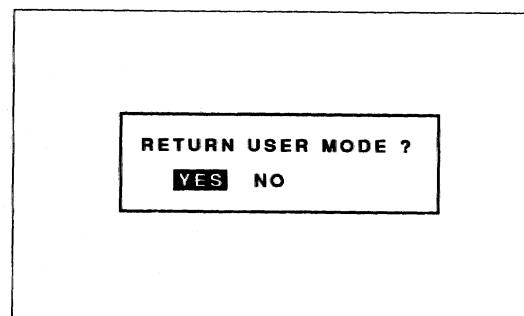
"OPTION" menu → "ADJUST" menu → Source screen

- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES ---- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.







**NOTE:** The projector has a built-in clock. The built-in clock will keep working for about three days after the main power is turned off. If the main power is not supplied to the projector for three days or more, the built-in clock may be reset. If the built-in clock is reset, set the date and time again. The built-in clock will not be reset in the standby condition.



## SETTING

### Auto Sequence Setting

You can program the projector to change sources.  
To do this proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OP-TION" line. Press the ENTER button to display the "OP-TION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "3/SE-QUENCER" line. Press the ENTER button to display the "SEQUENCER" menu. You can also select the "SEQUENCER" menu directly by pressing the INPUT "3" button.
  - The "SEQUENCER" screen will be displayed.
- ④ Use the CURSOR  or  button to select the "EDIT" and press the ENTER button.



#### Items to select

- START -----Executes the program
- EDIT -----Corrects or registers the input data



```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

```
OPTION  
- SEQUENCER -  
  
NO  INPUT      TIME  
01  
02  
03  
04  
05  
06  
07  
08  
09  
10  
  
START  EDIT
```

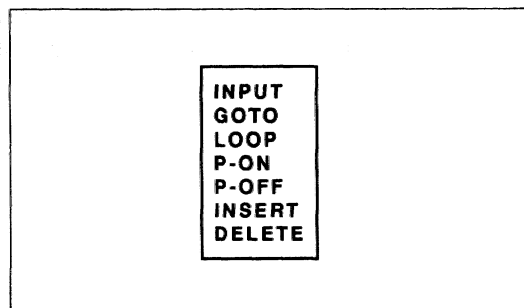
- ⑤ Use the CURSOR  or  button to highlight the line to be input and press the ENTER.
  - The Program menu will be displayed.

```
OPTION  
- SEQUENCER -  
  
NO  INPUT      TIME  
01  
02  
03  
04  
05  
06  
07  
08  
09  
10  
  
START  EDIT
```

- ⑥ Use the CURSOR  or  button to highlight the desired item and press the ENTER button.



**Items to selected**

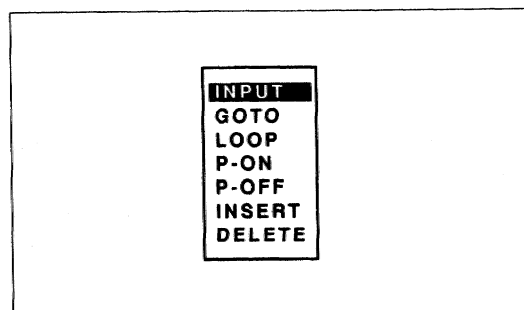
INPUT -----Enter new data  
 GOTO -----Jumps to the selected line  
 LOOP -----Executes the LOOP operation  
 P- ON -----Programs to turn on the power at the  
                   desired time  
 P- OFF -----Programs to turn off the power at the  
                   desired time  
 INSERT -----Inserts the selected line and moves  
                   down the following lines.  
 DELETE -----Deletes the selected line and moves up  
                   the following lines.





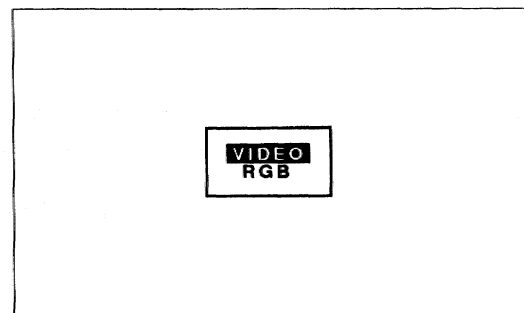
■ **Selecting "INPUT"**

**When using in stand alone application:**

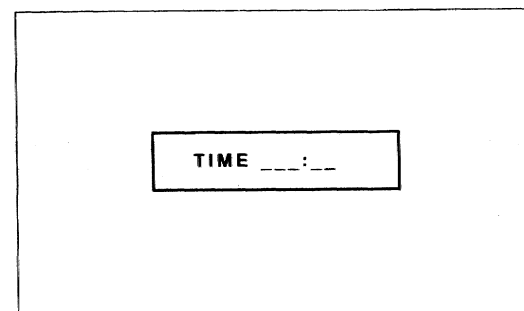
- 1) Use the CURSOR  or  button to select "INPUT" and press the ENTER button.
- The "VIDEO/RGB" terminal menu will be displayed.



- 2) Use the CURSOR  or  button to select either "VIDEO" or "RGB" and press the ENTER button.
- The "TIME" input screen will be displayed.





- 3) Enter the time (minutes and seconds) using INPUT buttons and press the ENTER button.
- If you have made an error in the input of numbers, press the END button to return to the "VIDEO/RGB terminal menu then start from step 2).
  - The "SEQUENCER" screen will be restored.



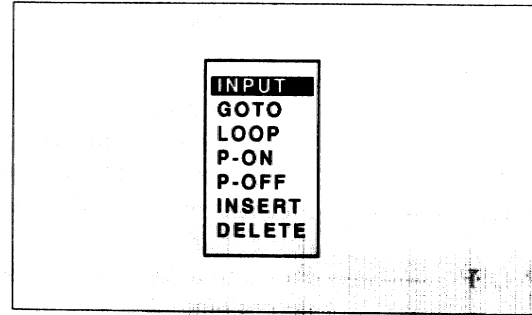
**Continued on the next page.**



## SETTING

When using with a single ISS-6010/ISS-6010G Switcher:

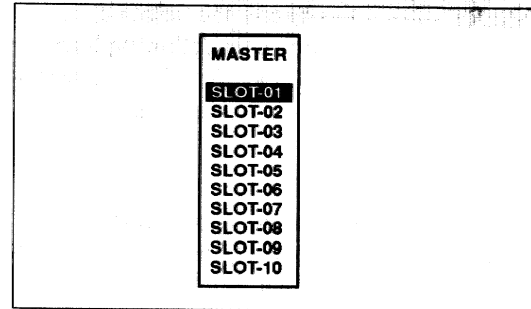
1) Use the CURSOR  or  button to select "INPUT" and press the ENTER button.

- The "MASTER" menu will be displayed.



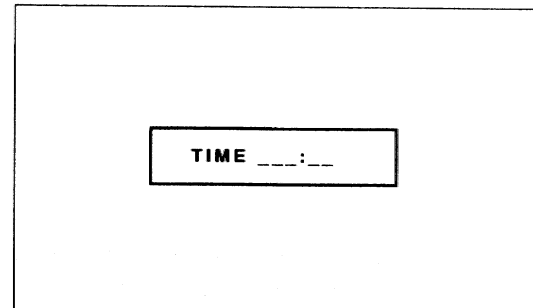
2) Use the CURSOR  or  button to select the input slot number of the Switcher and press the ENTER button.

- The "TIME" input screen will be displayed.





3) Enter the setting time (minutes and seconds) using INPUT buttons and press the ENTER button.

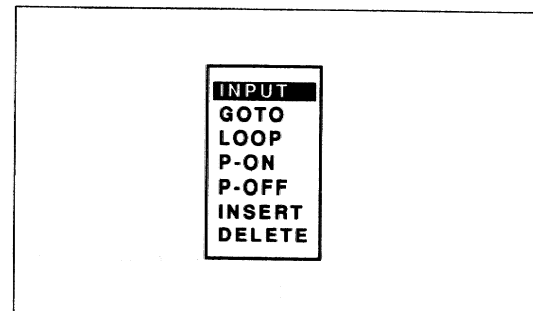
- If you have made an error in the input of numbers, press the END button to return to the "MASTER" menu then start from step 2).
- The "SEQUENCER" screen will be restored.





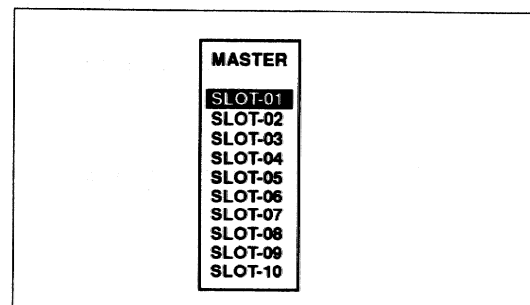
When using with two or more ISS-6010/ISS-6010G Switcher:



1) Use the CURSOR  or  button to select "INPUT" and press the ENTER button.

- The "MASTER" and "SLAVE" menu will be displayed.

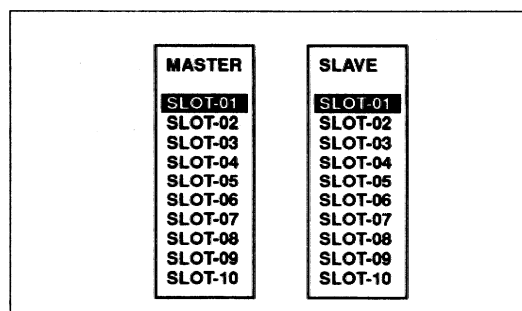


2) Use the CURSOR  or  button to select the input slot number of the master Switcher from the "MASTER" menu and press the ENTER button.



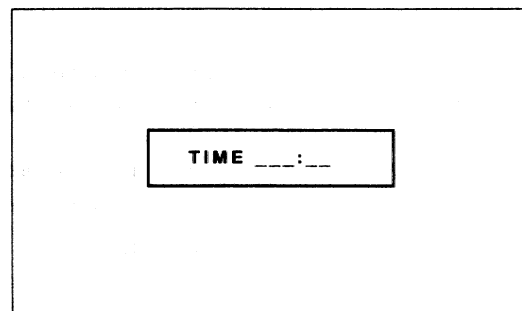
3) Use the CURSOR  or  button to select the input slot number of the slave Switcher from the "SLAVE" menu and press the ENTER button.

- The "TIME" input screen will be displayed.





4) Enter the time (minutes and seconds) using INPUT buttons and press the ENTER button.

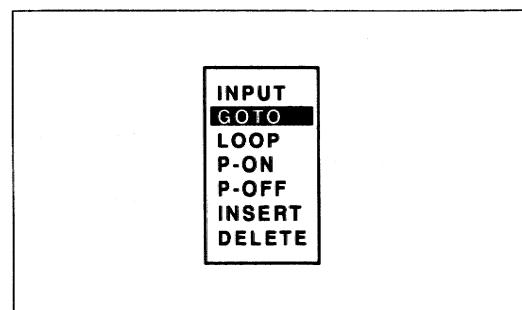
- If you have made an error in the input of numbers, press the END button to return to the "SLAVE" menu then start from step 2).
- The "SEQUENCER" screen will be restored.



## ■Selecting "GOTO"

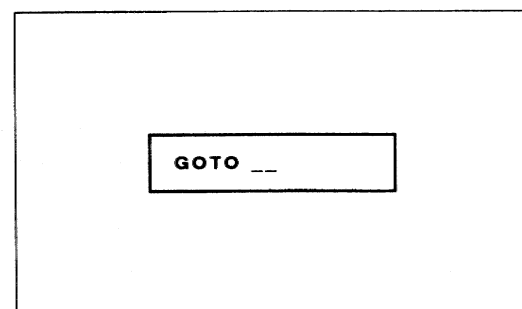
1) Use the CURSOR  or  button to select "GOTO" and press the ENTER button.

- The "GOTO" input screen will be displayed.



2) Enter the scan number line to which you want to jump to using the INPUT button and press the ENTER button.



- If you have made an error in the input of numbers, press the END button to return to the Program menu then start again.
- The "SEQUENCER" screen will be restored.



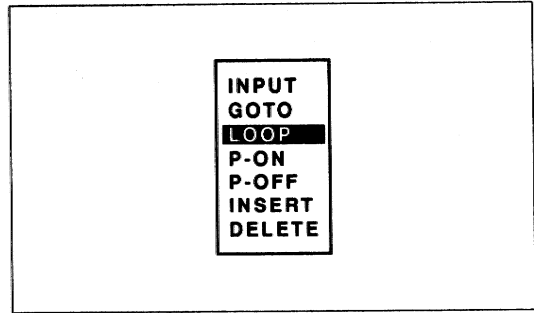
Continued on the next page.

## SETTING

### ■Selecting "LOOP"

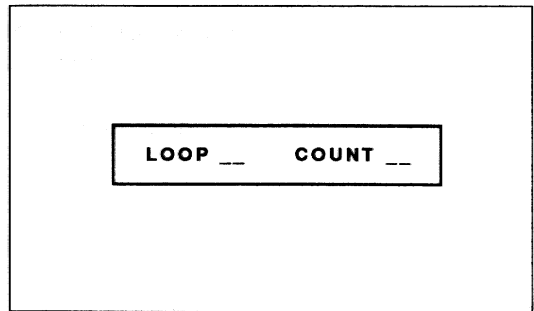
1) Use the CURSOR  or  button to select "LOOP" and press the ENTER button.

- The "LOOP/COUNT" input screen will be displayed.





2) Enter the number of the destination line (LOOP) and the number of the loop times (COUNT) in this order using the INPUT button and press the ENTER button.

- If you have made an error in the input of numbers, press the END button to return to the Program menu then start again.
- The "SEQUENCER" screen will be restored.

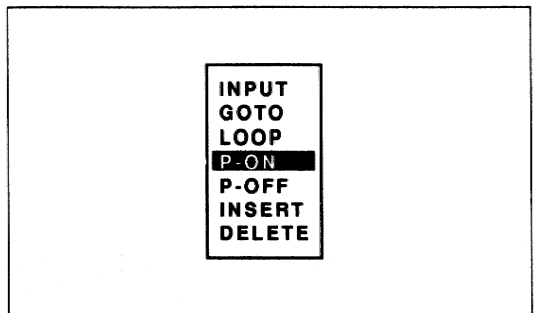


### ■Selecting "P- ON" and "P- OFF"

#### When selecting "P- ON"

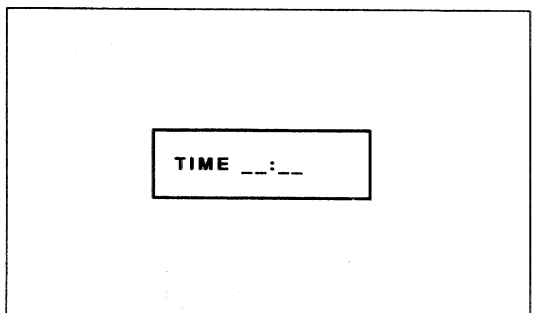
1) Use the CURSOR  or  button to select "P- ON" and press the ENTER button.

- The POWER ON input screen will be displayed.





2) Enter the POWER ON TIME you wish to turn on the projector using INPUT buttons and press the ENTER button.

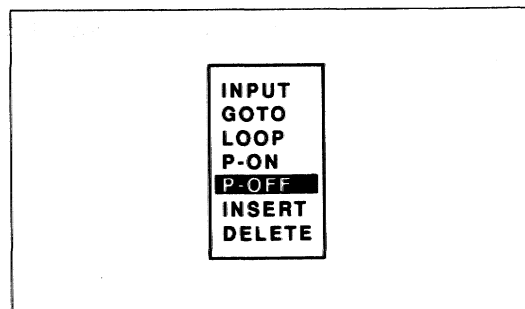
- Enter hours and minutes in this order.
- If you made an error in the input of numbers, press the END button to return to the Program menu then start again.



**When selecting "P- OFF"**

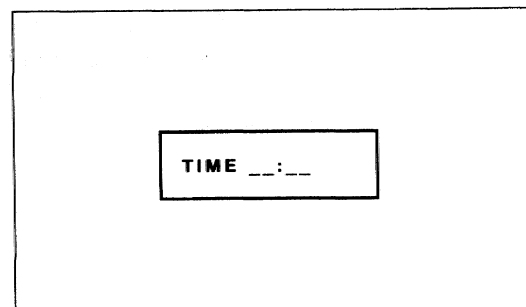
1) Use the CURSOR  or  button to select "P- OFF" and press the ENTER button.

- The POWER OFF input screen will be displayed.



2) Enter the POWER OFF TIME you wish to turn off the projector using INPUT buttons and press the ENTER button.



- Enter hours and minutes in this order.
- If you made an error in the input of numbers, press the END button to return to the Program menu then start again.

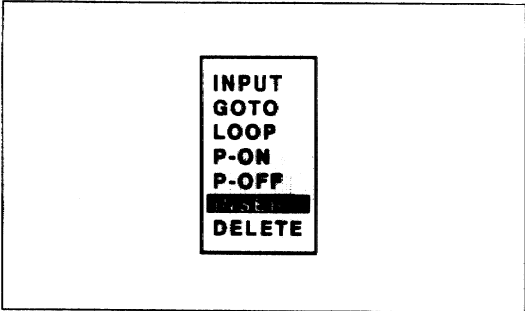




**Continued on the next page.**

SETTING

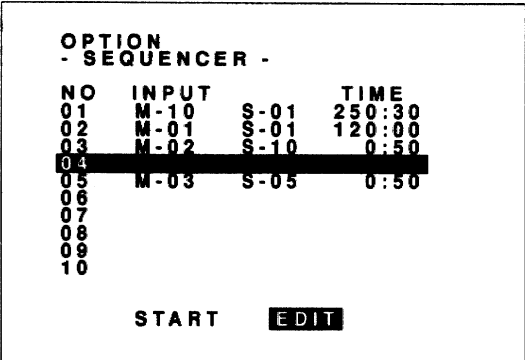
■Selecting "INSERT"

1)Use the CURSOR  or  button to select "INSERT" and press the ENTER button.





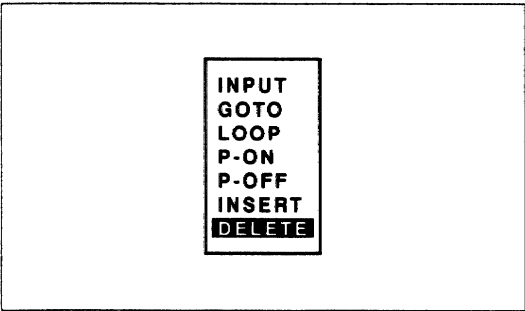
2)Use the CURSOR  or  button to select the line you wish to insert a vacant line and press the ENTER button.



- The highlighted line will be switched to a vacant line and the original line will be moved down.



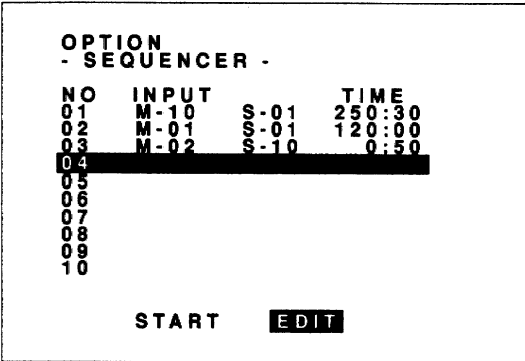
■Selecting "DELETE"

1)Use the CURSOR  or  button to select "DELETE" and press the ENTER button.



2)Use the CURSOR  or  button to select the line you wish to delete and press the ENTER button.

- The selected line will be deleted and the following lines will move up.





⑦ Use the CURSOR ☐ or ☐ button to select "START" and then press the ENTER button to execute the program.

- When the program is finished, the "SEQUENCER END" message will be displayed for a few seconds.

To cancel the program, hold down the CTL button press the END button.

| OPTION<br>- SEQUENCER - |       |      |        |
|-------------------------|-------|------|--------|
| NO                      | INPUT | SW   | TIME   |
| 01                      | M-10  | S-01 | 250:30 |
| 02                      | M-01  | S-01 | 120:00 |
| 03                      | M-02  | S-10 | 0:50   |
| 04                      |       |      |        |
| 05                      |       |      |        |
| 06                      |       |      |        |
| 07                      |       |      |        |
| 08                      |       |      |        |
| 09                      |       |      |        |
| 10                      |       |      |        |

**START**      **EDIT**

⑧ To end this mode, press the END button.

- Whenever the END button is pressed, the screen will be changed in this order:

"SEQUENCER" screen → "ADJUST" menu → Source screen  
(No highlighted line)

- If the "RETURN USER MODE ?" menu appears, use the CURSOR ☐ or ☐ button to select either "YES" or "NO" and then press the ENTER button. This will exit you from the ADJUST mode.

**RETURN USER MODE ?**





**YES**    NO

## Items to select

- YES ----- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

### Address Setting

Each projector will need its own address in the case of a multiple serial connection of projectors. Up to 64 addresses can be set. Proceed as follows:

- ① Press the ADJUST button to display the "ADJUST" menu.
  - The projector may ask you to enter your passcode.
  - See page 3-44 for the explanation of the PASSCODE.
- ② Use the CURSOR  or  button to highlight the "9/OPTION" line. Press the ENTER button to display the "OPTION" menu. You can also select the "OPTION" menu directly by pressing the INPUT "9" button.
- ③ Use the CURSOR  or  button to highlight the "4/PJ ADDRESS" line. Press the ENTER button to display the "ADDRESS" screen. You can also select the "ADDRESS" screen directly by pressing the INPUT "4" button.

- ④ Enter the address number using the INPUT button and press the ENTER button.
  - If you have made a mistake in the input of a number, press the END button to return to the "OPTION" menu then start again.

**NOTE:** Enter the address number "01" when only one projector is used.

```
- ADJUST -  
1 / SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / CONVERGENCE  
5 / WHITE BAL  
6 / R,G,B GAIN  
7 / HOUR METER  
8 / PASSCODE  
9 / OPTION
```

```
- OPTION -  
1 / SETTING MODE  
2 / MENU MODE  
3 / SEQUENCER  
4 / PJ ADDRESS
```

OPTION

-PJ ADDRESS-

01 (01-64)

⑤ To complete, press the END button.

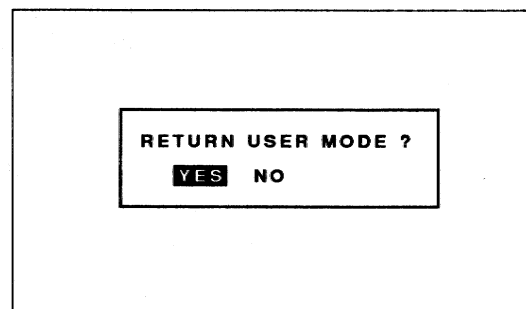
- Whenever the END button is pressed, the screen will be changed in this order:

"OPTION" menu → "ADJUST" menu → Source screen

- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**



- YES ----- When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO ----- When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.



### Adjustment Items Auto Selection Setting

The "ADJUST" mode has the STEP THROUGH MENU mode. This is the mode on which the projector automatically guide you to access the adjustment items. The order is the same as the Setup Procedure shown on page 3-18.

Proceed as follows:

- ① Press and hold the CTL button then press the ADJUST button to display the "STEP THROUGH MENU".
  - The projector may ask you to enter your passcode. See page 3-44 the explanation of the PASSCODE.
  - At the start "1/SIGNAL ENTRY" is highlighted.
- ② Press the ENTER button at this moment to change the screen to the SIGNAL ENTRY menu. Perform the signal entry.
  - See the Signal Entry section on page 3-6 for more details.
- ③ After finishing the Signal Entry, press the END button and the "STEP THROUGH MENU" will be returned.
  - The item "SIGNAL ENTRY" will be flagged with an asterisk. The highlight will move to the next item "FOCUS".
  - Each finished items is flagged with an asterisk. The highlight moves to the next item in order. See affected sections for each adjustment item.
  - To go back to the previous item or to skip items, use the CURSOR  or  button to select the object item.
- ④ When all the items have been flagged with an asterisk, this will exit you from the "STEP THROUGH MENU" mode.
  - To exit this mode in the middle of the operation, press the END button.
  - When this mode is finished, the "STORE ?" menu will be displayed.

#### STEP THROUGH MENU

1 SIGNAL ENTRY  
2 / FOCUS  
3 / ALIGNMENT  
4 / STATIC  
5 / CONVERGENCE  
6 / WHITE BAL  
7 / R,G,B GAIN  
8 / POSITION

\*:ADJUSTMENT FINISH

#### STEP THROUGH MENU

\*1 / SIGNAL ENTRY  
2 FOCUS  
3 / ALIGNMENT  
4 / STATIC  
5 / CONVERGENCE  
6 / WHITE BAL  
7 / R,G,B GAIN  
8 / POSITION



- FOCUS -  
1 CENTER  
2 / EDGE

\*:ADJUSTMENT FINISH

- ⑤ Use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button.

**Items to select**

- YES ---The data will be stored
- NO -----The data will not be stored

- To exit this mode without storing the current status, select "NO".
- If the "RETURN USER MODE ?" menu appears, use the CURSOR  or  button to select either "YES" or "NO" and press the ENTER button. This will exit you from the ADJUST mode.

**Items to select**

- YES ---When you try to enter the ADJUST mode the next time, you will need to enter your passcode.
- NO -----When you try to enter the ADJUST mode the next time, you will not need to enter your passcode.

**STORE ?****YES****NO****RETURN USER MODE ?****YES****NO**





# Appendix



## CONTENTS

|                                    |      |
|------------------------------------|------|
| Pre-set Signals .....              | 3-83 |
| Input Signal Reference Chart ..... | 3-85 |
| Input Signal Timing .....          | 3-96 |

# TIMING CHARTS

## Pre-set Signals

The following signals have been set by factory.

### ■ MultiSync 6PG

#### P01 INPUT SELECT

##### STANDALONE

| NO | INPUT | NAME     | DATE     |
|----|-------|----------|----------|
| 01 | VIDEO | NTSC3.58 | **/**/** |
| 02 | VIDEO | NTSC4.43 | **/**/** |
| 03 | VIDEO | PAL      | **/**/** |
| 04 | VIDEO | SECAM    | **/**/** |
| 05 | RGB   | VGA480   | **/**/** |
| 06 |       |          |          |
| 07 |       |          |          |
| 08 |       |          |          |
| 09 |       |          |          |
| 10 |       |          |          |

#### P06 INPUT SELECT

##### STANDALONE

| NO | INPUT | NAME     | DATE     |
|----|-------|----------|----------|
| 51 | VIDEO | NTSC3.58 | **/**/** |
| 52 | VIDEO | PAL      | **/**/** |
| 53 | RGB   | CGA      | **/**/** |
| 54 | RGB   | EGA      | **/**/** |
| 55 | RGB   | VGA350   | **/**/** |
| 56 | RGB   | VGA400   | **/**/** |
| 57 | RGB   | MAC2     | **/**/** |
| 58 | RGB   | IDTV     | **/**/** |
| 59 | RGB   | HDTV     | **/**/** |
| 60 | RGB   | VESA800  | **/**/** |

#### P07 INPUT SELECT

##### STANDALONE

| NO | INPUT | NAME     | DATE     |
|----|-------|----------|----------|
| 61 | RGB   | VESA1024 | **/**/** |
| 62 |       |          | **/**/** |
| 63 |       |          | **/**/** |
| 64 |       |          | **/**/** |
| 65 |       |          | **/**/** |
| 66 |       |          | **/**/** |
| 67 |       |          | **/**/** |
| 68 |       |          | **/**/** |
| 69 |       |          | **/**/** |
| 70 |       |          | **/**/** |



## ■ MultiSync 9PG

## P01 INPUT SELECT

## STANDALONE

| NO | INPUT | NAME     | DATE     |
|----|-------|----------|----------|
| 01 | VIDEO | NTSC3.58 | **/**/** |
| 02 | VIDEO | NTSC4.43 | **/**/** |
| 03 | VIDEO | PAL      | **/**/** |
| 04 | VIDEO | SECAM    | **/**/** |
| 05 | RGB   | VGA480   | **/**/** |
| 06 |       |          |          |
| 07 |       |          |          |
| 08 |       |          |          |
| 09 |       |          |          |
| 10 |       |          |          |

## P06 INPUT SELECT

## STANDALONE

| NO | INPUT | NAME     | DATE     |
|----|-------|----------|----------|
| 51 | VIDEO | NTSC3.58 | **/**/** |
| 52 | VIDEO | PAL      | **/**/** |
| 53 | RGB   | CGA      | **/**/** |
| 54 | RGB   | EGA      | **/**/** |
| 55 | RGB   | VGA350   | **/**/** |
| 56 | RGB   | VGA400   | **/**/** |
| 57 | RGB   | MAC2     | **/**/** |
| 58 | RGB   | IDTV     | **/**/** |
| 59 | RGB   | HDTV     | **/**/** |
| 60 | RGB   | VESA800  | **/**/** |

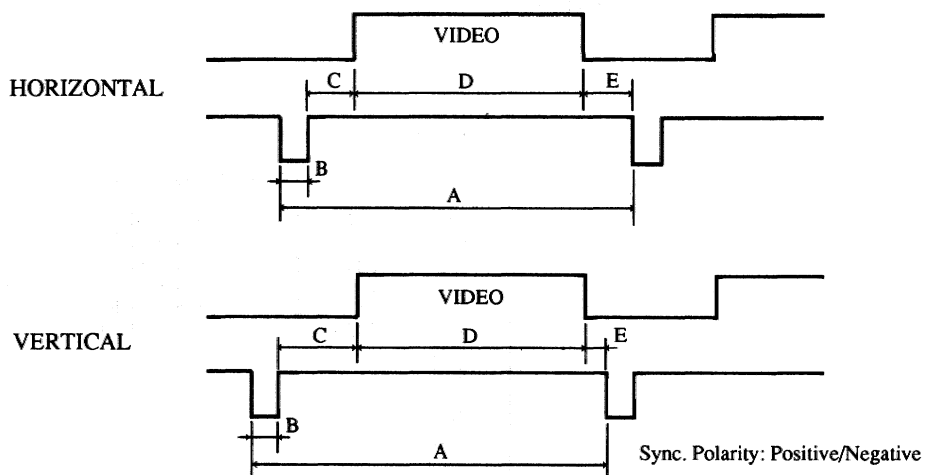
## P07 INPUT SELECT

## STANDALONE

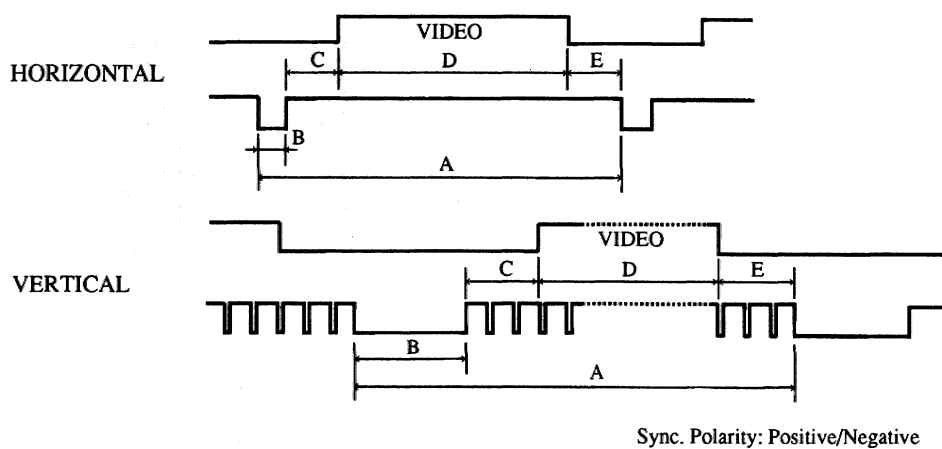
| NO | INPUT | NAME     | DATE     |
|----|-------|----------|----------|
| 61 | RGB   | VESA1024 | **/**/** |
| 62 | RGB   | QUADRA   | **/**/** |
| 63 | RGB   | HP-WS    | **/**/** |
| 64 |       |          | **/**/** |
| 65 |       |          | **/**/** |
| 66 |       |          | **/**/** |
| 67 |       |          | **/**/** |
| 68 |       |          | **/**/** |
| 69 |       |          | **/**/** |
| 70 |       |          | **/**/** |

## Input Signal Reference Chart

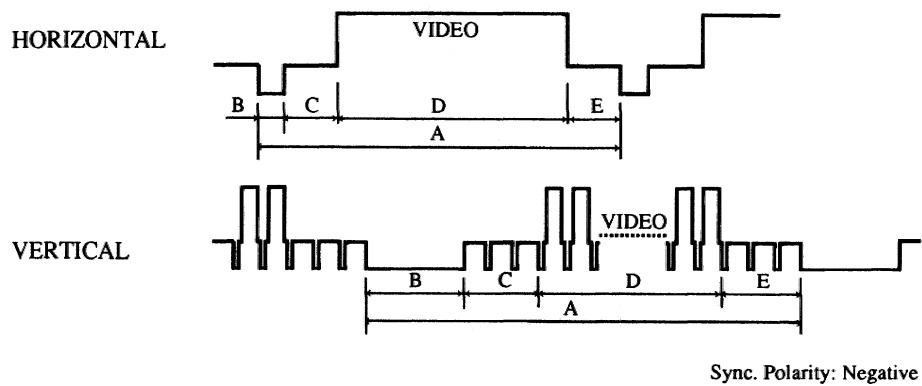
### Separate Sync.



### Composite Sync.



### Composite Sync. & Video (Sync. on Green)



## Input Signal Timing

|                         |           | A      | B     | C     | D      | E     | Polarity |
|-------------------------|-----------|--------|-------|-------|--------|-------|----------|
| IBM CGA                 | H $\mu$ s | 63.0   | 4.2   | 7.2   | 45.0   | 6.6   | +        |
|                         | V ms      | 16.4   | 0.075 | 1.525 | 12.6   | 2.2   | +        |
| IBM EGA                 | H $\mu$ s | 45.5   | 4.9   | 1.6   | 39.0   | 0     | +        |
|                         | V ms      | 16.68  | 0.6   | 0.08  | 16.0   | 0     | -        |
| IBM VGA 350             | H $\mu$ s | 31.8   | 3.8   | 1.6   | 26.1   | 0.3   | +        |
|                         | V ms      | 14.3   | 0.06  | 1.72  | 11.53  | 0.99  | -        |
| IBM VGA 400             | H $\mu$ s | 31.8   | 3.8   | 1.6   | 26.1   | 0.3   | -        |
|                         | V ms      | 14.3   | 0.06  | 0.89  | 13.19  | 0.16  | +        |
| IDTV                    | H $\mu$ s | 31.78  | 2.76  | 1.6   | 26.29  | 1.13  | -        |
|                         | V ms      | 16.67  | 0.64  | 0.77  | 15.14  | 0.12  | -        |
| Macintosh II            | H $\mu$ s | 28.57  | 2.12  | 3.17  | 21.16  | 2.12  |          |
|                         | V ms      | 15.0   | 0.09  | 1.11  | 13.71  | 0.09  |          |
| IBM VGA 480             | H $\mu$ s | 31.8   | 3.8   | 1.6   | 26.1   | 0.3   | -        |
|                         | V ms      | 16.7   | 0.06  | 0.79  | 15.79  | 0.06  | -        |
| Macintosh Quadra        | H $\mu$ s | 14.64  | 1.30  | 1.32  | 11.56  | 0.46  |          |
|                         | V ms      | 13.342 | 0.044 | 0.574 | 12.68  | 0.044 |          |
| VESA<br>800×600 (72Hz)  | H $\mu$ s | 20.8   | 2.4   | 1.28  | 16.00  | 1.12  |          |
|                         | V ms      | 13.887 | 0.124 | 0.479 | 12.510 | 0.722 |          |
| VESA<br>1024×768 (60Hz) | H $\mu$ s | 20.677 | 2.092 | 2.462 | 15.754 | 0.369 |          |
|                         | Vms       | 16.667 | 0.124 | 0.600 | 15.880 | 0.062 |          |

- IBM CGA, EGA and VGA are registered trademarks of International Business Machines Corporation.
- Apple and Macintosh are registered trademarks of Apple Computer Inc. Macintosh II and Macintosh Quadra are trademarks of Apple Computer Inc.
- VESA is an abbreviation for Video Electronics Standards Association.

