# FACTORY MODE COLOR GAIN ADJUSTMENT PROCEDURE:

1. **Warm up Procedure:**

   Apply power and a video signal to the monitor so that there is a picture on the screen for about 20 minutes before making any adjustments. This will give the monitor a sufficient time to warm up so that the adjustments that are made will not change.

1.1 **Key Description**

   **DOWN/UP**
   Scroll through various Icons on Main Factory Menu.
   When in the COLOR GAIN icon mode - Toggle through the GAIN MODE, BIAS MODE and OSD MODE.
   When in GAIN MODE, BIAS MODE and OSD MODE;
   Adjust values after a parameter has been selected.

   **MODE**
   Saves adjusted value and return to Main **FACTORY MENU**.
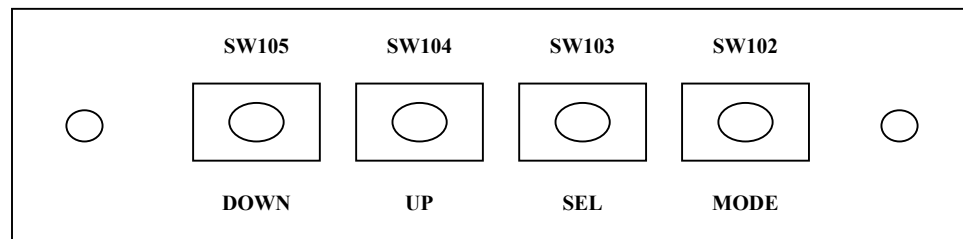
   **SEL**
   Selects Icon on Main **FACTORY MENU**.
   When in GAIN MODE, BIAS MODE and OSD MODE, selects parameter to be adjusted.
   When in **RE** "RECALL", saves all changes and exits **FACTORY MENU** Mode.

   All adjustments are made by searching and selecting an icon using the digital control panel buttons.
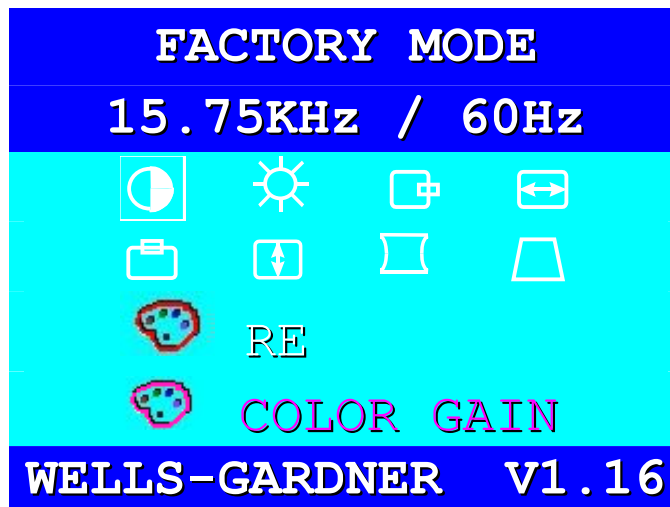
## Digital Control Panel

**1.2  Factory Mode**

****IMPORTANT NOTE:  WRITE DOWN MENU VALUES BEFORE CHANGING THE
VALUES; ADJUSTMENTS IN FACTORY MENU WILL BECOME THE NEW SAVED
RECALL VALUES IN THE USER MENU.****

To access **FACTORY MENU**, press **DOWN** and **SEL** simultaneously and hold.
After adjustments are made, to exit out of the **FACTORY MENU**,
go to **RE** "RECALL" press **SEL**.
Observe the message "EXITING FACTORY MENU  CHANGES SAVED".

**Factory OSD Operation**
OSD Window for FACTORY MODE:

Example Factory Mode Menu:



**Note:**

The icons are white, text is white and all rows except row 6.
The highlighted icon is in red color.
The icon and description in magenta row 5, matches the icon selected.
There is no timeout on the Factory menu.

### 1.2.1 COLOR GAIN ADJUSTMENT INSTRUCTIONS

Setup with light meter if available.
Use high level white video for GAIN MODE adjustment.
Change pattern to low level white video to adjust BIAS MODE video background.

****DO <u>NOT</u> SELECT "SB" IN GAIN MODE AND CHANGE ITS VALUE, AS THIS WILL CHANGE ALL 3 COLORS AND MAY CAUSE BLEEDING IN THE VIDEO COLORS, SATURATING VIDEO DRIVE LEVELS.****
****DO <u>NOT</u> SELECT "CB" IN BIAS MODE AND CHANGE ITS VALUE, AS THIS WILL CHANGE ALL 3 COLORS AND MAY CAUSE UN-DESIRABLE CUTOFF OF VIDEO BACKGROUND LEVELS.****

**1. DOWN/UP**
Scroll through various Icons on Factory Menu to COLOR GAIN icon.
**2. SEL**
Select the COLOR GAIN Icon on the Factory Menu. – enters GAIN MODE menu.
**3. SEL**
Select the color to change by pressing **SEL** until R, G or B is highlighted.
**4. DOWN/UP**
Decrease/increase gain of the chosen color.
**5. SEL**
To scroll to next color, and repeat STEP 4 for each color for desired color temperature .
**6. SEL**
To scroll back to GAIN MODE
**7. UP/DOWN**
To change to BIAS MODE.
**8. SEL**
Select the color to change by pressing **SEL** until R, G or B is highlighted.
**9. DOWN/UP**
Decrease/increase bias of the chosen color.
**10. SEL**
To scroll to next color, and repeat STEP 4 for each color for desired color temperature .
**11.** After adjustments are made, to exit out of the **FACTORY MENU**,
go to **RE** "RECALL" press **SE** or **MODE** button.
Observe the message "EXITING FACTORY MENU  CHANGES SAVED".
This will become the new RECALL values in the USER MENU and will also remain the same after power is recycled.

Example Factory Gain Mode Menu:
UP/DOWN button to toggle between GAIN MODE, BIAS MODE and OSD MODE.

| Row : 1 | **GAIN MODE** | |
|---------|---------------|---|
| Row : 2 | SB | 128 |
| Row : 3 | R | 255 |
| Row : 4 | G | 237 |
| Row : 5 | B | 217 |

Note: The text is red except when a feature is selected, then the text is white for row 1.
The text is white, except when selected, then it is red for rows 2, 3, 4, 5.
There is no timeout on the Factory menu.

Example Factory Bias Mode Menu:
"G" Green Bias is selected; use UP/DOWN buttons to change value.
SEL button to move highlighted parameter.

| **BIAS MODE** | |
|---------------|---|
| CB | 068 |
| R | 092 |
| **G** | 124 |
| B | 128 |

Note:The text is red except when a feature is selected, then the text is white for row 1.
The text is white, except when selected, then it is red for rows 2, 3, 4, 5.

Example Factory OSD Mode Menu:

| **OSD MODE** | |
|--------------|---|
| **OC** | 105 |

Note:The text is red except when a feature is selected, and then the text is white for row 1.
The text is white, except when selected, then it is red for row 2.