TFT - LCD MONITOR

User's   Manual

INFOGATE - 1510
INFOGATE - 1510U

TAEWON ELECTRONICS CO.,LTD.

FCC INFORMATION TO THE USER

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

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

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

USER ' S GUIDE

CONTENTS

1. PRODUCTS FEATURES

- 15inch Color TFT-LCD PANEL
  Guarantee broad view point.   The real screen size is 370mm x 230mm

- OSD function (ON SCREEN DISPLAY)
  Loading OSD for convenient operation
- The function of smart setting (Auto Adjustment)
- Slim Design
  TFT - LCD is able to reduce the space at 60 - 70 % than CRT Monitor.

- Environmentally Friendly
  The power consumption can be reduced by using this TFT-LCD Monitor
 in combination of a computer that conforms to the VESA DPMS
 (Display Power Management Signaling) standard.
 Desk space can be used effectively due to the 20Cm depth.

- Plug-and-Play Cmpatiable
          This TFT-LCD monitor conforms to the VEST (Video Electronics   Standards
                        Association) standard and DDC1/DDC2B.
    A picture adjustment function makes it possible to adjust the image quality to match the
                            input signal.

2. General Safety Precautions.

- Installing and Operating Precautions
  For your protection, please read these instructions completely.
1) Place monitor at over 5cm - 15cm distant from wall not to block the   ventilation opening.
   The internal heat build-up may cause fire hazard or electric shock.
2) When you plug out, hold the plug
   If you hold the wire, it may make fire hazard.
3) Do not place the monitor on an unstable place.
   The monitor may fall, causing serious injury to user and serious damage to the monitor.
4) Do not place the monitor near a radiator and heat register or where it is exposed to direct sunlight. It may cause dangerous voltage or fire hazard by melting the monitor.
5) Do not install the monitor humid place.
   It may cause the electric shock.
6) Please separate cables from monitor when you move it.
7) When the monitor is left unattended and unused for a long time, Unplug it from outlet.
8) Do not attempt to service the monitor yourself since opening the cabinet may expose you to dangerous voltage or other hazards.
9) Never spill liquid of any kind on the monitor.
10) Inset the plug full into the outlet.
    If you don't, it may cause fire hazard.
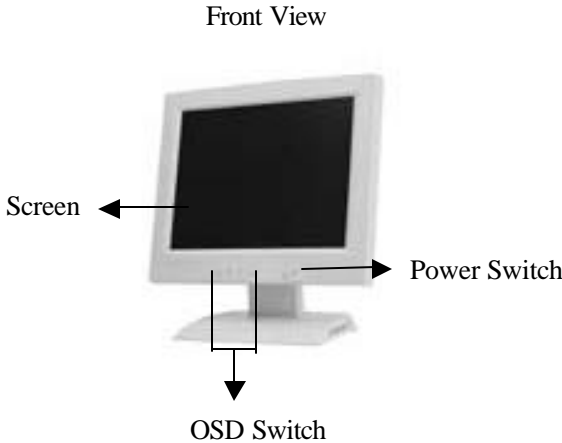11) There is smoke and odor smell in operation.
    Turn off and plug out the monitor. Please contact a service center immediately.
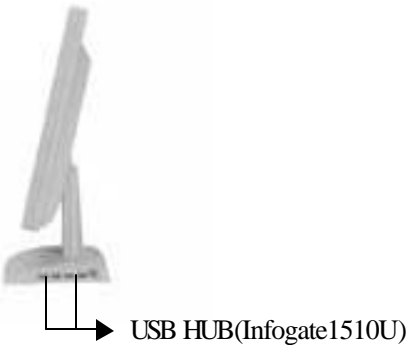12) Do not use the sharp tool to avoid the scratch on the LCD panel.
    This may be the cause of the defects.
We don't take responsibility for the damage which is caused by natural calamities.
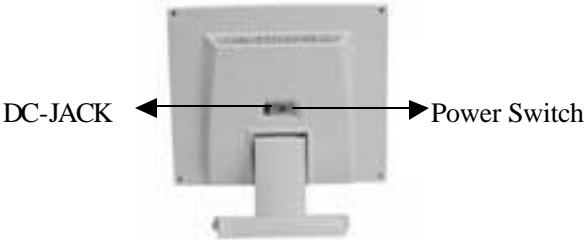
The name of parts

Front View

Screen ←

Power Switch

OSD Switch

Side View

USB HUB(Infogate1510U)

Rear View

DC-JACK ← → Power Switch

3. Setting Up
 - Packing List
    15 inch TFT-LCD Monitor - 1 set
     AC/DC adaptor - 1 set
    AC power cables - 1 set
    VGA cable - 1 set
    User's Guide
    USB Line - 1 set

Monitor   AC/DC Adaptor   A/C Power Cable   VGA Cable   Guide   USB Line

- Connecting with external equipment

   Adjust VGA mode below 1024 X 768(XGA)
  1. Turn off the computer and the monitor.
  2. Place TFT-LCD Monitor on a stable place and connect power cable.
  3. Connect VGA cable to VGA 15 Pin D-SUB Connector on the computer and
     screw the opposit cable after connecting it to VGA Input.
  4. Turn off the monitor after completing to connect power cable and VGA
      to the computer. Then turn on the monitor.
  5. Turn off the computer and the monitor after operating.

4.On-Screen Display Seetig

1. KEY FUNTION

[+]KEY :
When in scrolling mode, select the highlighted item.
When in parameter-adjustment mode, increase the parameter value.

[-] KEY :
When in scrolling mode, select the highlighted item.
When in parameter-adjustment mode, decrease the parameter value.

[DOWN] KEY :
Press Down button to activate the OSD whitch will display the main menu.
When in scrolling mode, move the highlight down through the menu items.
When in parameter-adjustment mode, escape to the scrolling mode.

[U P] KEY:
Press Up button to activate the OSD whitch will display the main menu.
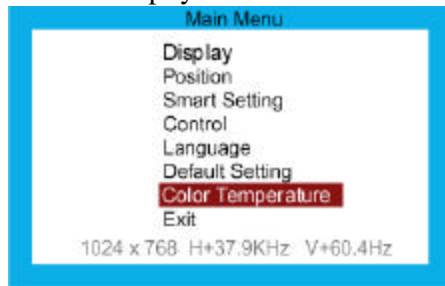When in scrolling mode, move the highlight up through the menu items.
When in parameter-adjustment mode, escape to the scrolling mode.
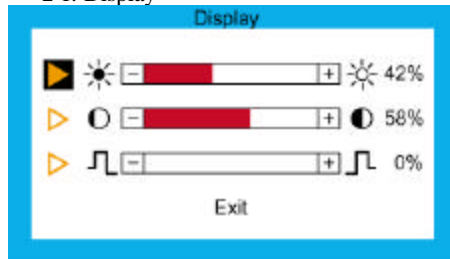
[+]+[-] KEY : Auto Adjustment

+   -   DOWN   **UP**

2. Menu Display

Main Menu

Display
Position
Smart Setting
Control
Language
Default Setting
**Color Temperature**
Exit

1024 x 768 H+37.9KHz V+60.4Hz

2-1. Display : Adjustment Brightness, Sharpness and contrast
2-2. Position : Adjustment of Position
2-3. Smart Setting : Auto adjustment
2-4. Control : Control of OSD
2-5. Language : Language of OSD Menu
2-6. Default Setting : Set values to defaults in Eeprom
2-7. Color Temperature : Set Color Temperature value (9300K, 5600K, User Setting)
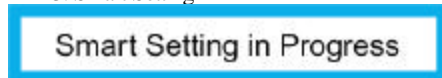2-8. Exit : Exit OSD Menu System

2-1. Display

Display

☀ 42%	→ Adjust Brightness.
◐ 58%	→ Adjust Contrast.
⊓ 0%	→ Adjust Phase.
Exit	→ Exit : To Parent Menu.

2-2. Position
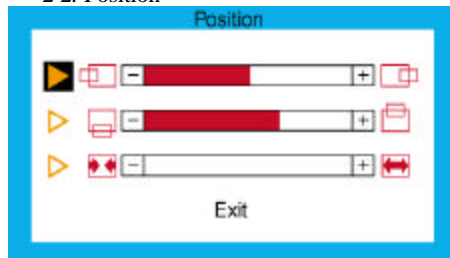
Position

→ Move Horizontal Position.
→ Move Vertical Position.
→ Adjust Horizontal Size.
Exit → Exit : To Parent Menu.

2-3. Smart Setting

Smart Setting in Progress   → Auto Adjustment.

2-4. Control

Control
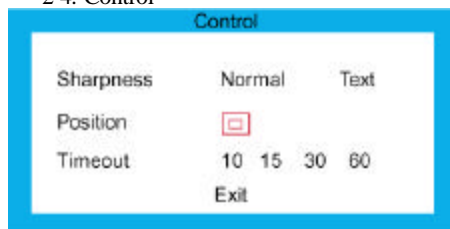
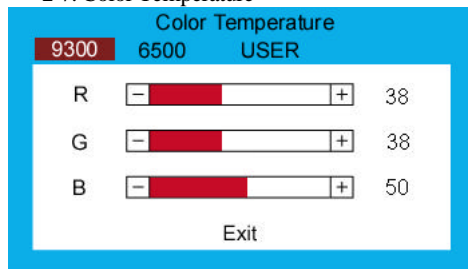|			
Sharpness	Normal	Text	→ Sharpness :
Position	▱		→ Display Position Setting
Timeout	10 15 30 60		→ Auto Menu Off Time Setting.
Exit			→ Exit : To Parent Menu.

2-5. Language

→ OSD text will be displayed in
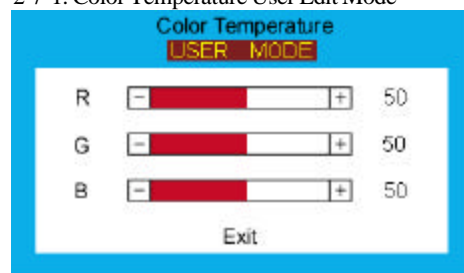user selsected

2-6. Default Setting

Set values to defaults in Eeprom
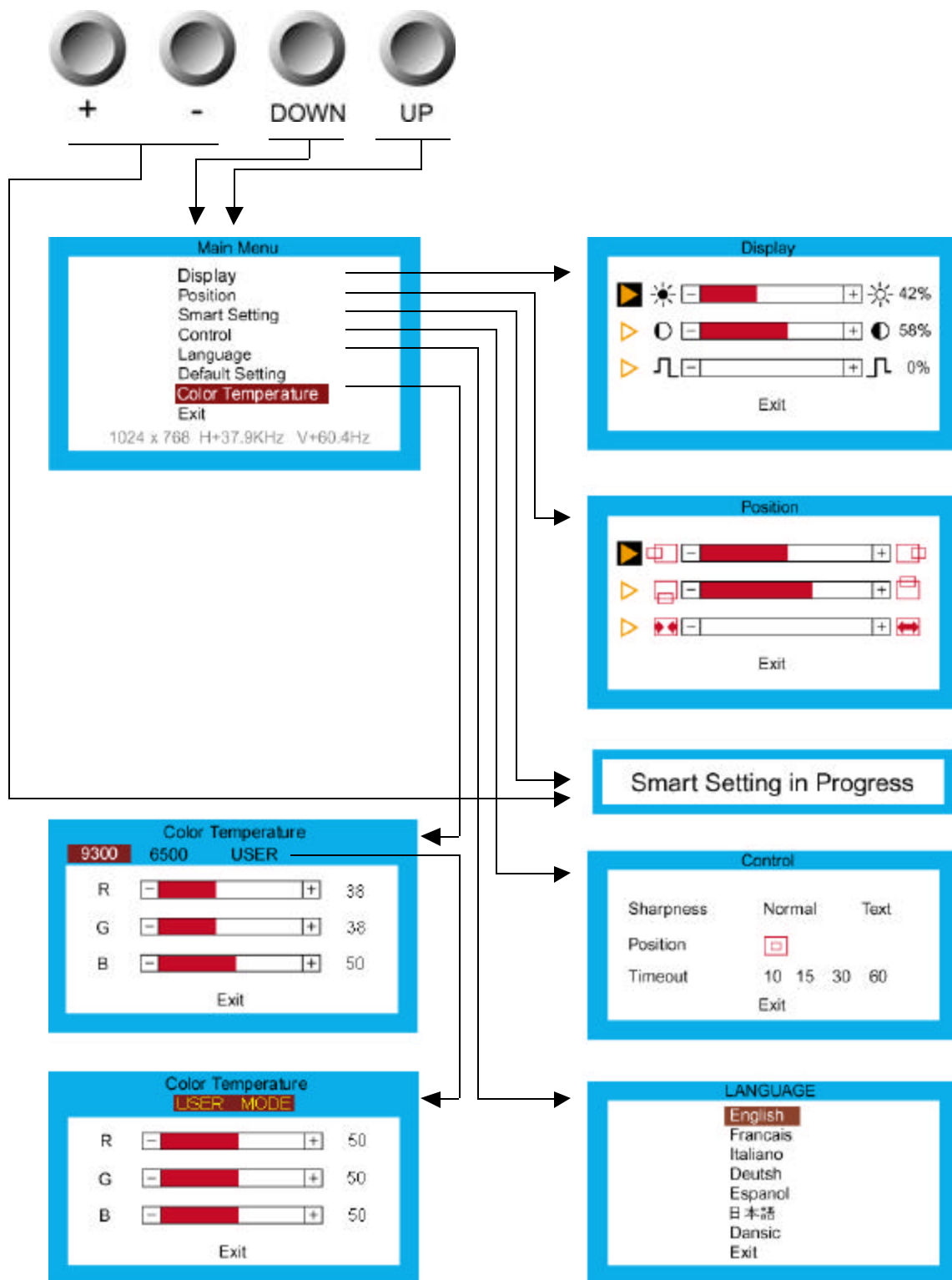
2-7. Color Temperature

→ Color Temperature modes are composed of 9300,
6500 and user mode.

2-7-1. Color Temperature User Edit Mode

→ User can control the Color Temperature
value at User Mode.

2-8. Exit

+   -   DOWN   UP

Main Menu
Display
Position
Smart Setting
Control
Language
Default Setting
Color Temperature
Exit
1024 x 768 H+37.9KHz V+60.4Hz

Display
42%
58%
0%
Exit

Position
Exit

Smart Setting in Progress

Color Temperature
9300   6500   USER
R   38
G   38
B   50
Exit

Control
Sharpness   Normal   Text
Position
Timeout   10 15 30 60
Exit

Color Temperature
USER MODE
R   50
G   50
B   50
Exit

LANGUAGE
English
Francais
Italiano
Deutsh
Espanol
日本語
Dansic
Exit

3. Miscellaneous Display

POWER SAVING
OFF MODE

→ This message showed when no sync Signal.

BURN-IN-TEST
·IN·PROGRESS

→ This message is showed when Burn In Test mode.
To using this mode
(Remove the signal cable)
1. Put on the power with pressed the (+) key.
2. Burn in test in progressing automatically.
3. To exiting the mode, put off the power and than put on the power with pressed (-) key

OUT OF RANGE
H: +60.1   KHz
V: +46.0   HZ
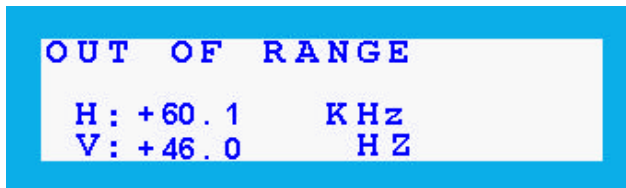
→ This message is showed when incoming video signal is for a video mode not reliably supported i.e. a non-VESA-standard video mode.

5. Troubleshooting

1. The power is in off position and no image
   1) Check the power cable if it is completely connected to monitor.
   2) Check the power switch if it turn on.
      If the power switch is green, it mean operating.
2. No image and display Power Saving Off Mode
   If the power switch is flickering red or orange, check the computer if it   is turn on and the
cables connecting to Computer if it is completely   connecting.
3. Lost the balance of the screen
   1) Adjust horizontality, verticality and horizontal size.
4. The text is unclear or display NOISE
   1) Adjust Phase
5. The screen is dark
   1) Adjust luminosity and contrast
6. No image and display out of range
   1) Check the video card mode if it is over XGA(1024 X 768)
   2) After booting the system by safety mode, setting the applicable mode.
      Turn on the monitor.

6. Specification

1. LCD
Type : 15 inch color TFT-LCD Panel
Pixel pitch : 0.3 X 0.3mm
Viewing angle : 55°(left / right), 40°(up/ down)
color : 262,144 color
pixel format : 1024 x 768/75Hz

2. Imput Signal
Horizontal frequency : 31-61 KHz
Vertical Frequency : 56-75Hz
Signal Type : H/Vsync
Input connector : 15P D-SUB

3. Power requirement(monitor)
Power : DC + 12V
Power Consumption : 17W(MAX)

4. Display size
Horizon X Vertical : 307 X 230mm

5. Appearance
Dimension : 378 X 390 X 161mm (Width X height X length)
Box : 410 X 420 X 200mm (Width X height X length)
Weight : 5.5kg (expect for Monitor Box)
Supporter angle : left/right(340°) up/down(45°)

6. Resolution
VGA : 640 x 350   70Hz
       640 x 400   70Hz
       640 x 480   60,70,75Hz
SVGA : 800 x 600 56,60,70,72,75Hz
XGA : 1024 x 768 60,70,72,75Hz

7. Operating condition
Temperature : 10   35
Humidity : 10   80%

8. Keeping Condition
Temperature : -20   60
Humidity : 5   95%

9. AC/DC ADAPTOR
Input : AC100 ? 240V 50/60Hz, 1.5A
Output : DC12V 3.33A 40W(MAX)

10. USB HUB
1 UP / 4 DOWN STREAM

The above specification is able to be changed without notice