UltraView

User Manual

► **Innovative LCD Display Solutions**
OP-40W / OP-40WT

1. Table of Content

2. Introduction

A.   Overview

This LCD monitor incorporates 40"color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. A maximum resolution of 1,366 x 768 is ideal for displaying complex graphics and high definition images. Other outstanding designs that enhance this LCD monitor's performance are Plug & Play compatibility and OSD (On Screen Display) controls.

B.   Features

- High contrast color TFT LCD display support resolution up to 1,366 x 768.

- Advanced OSD control for picture quality adjustment.

- Slim and compact size

- Wide Viewing Angle

Disclaimer

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2. Introduction

C.   Dimension Diagrams
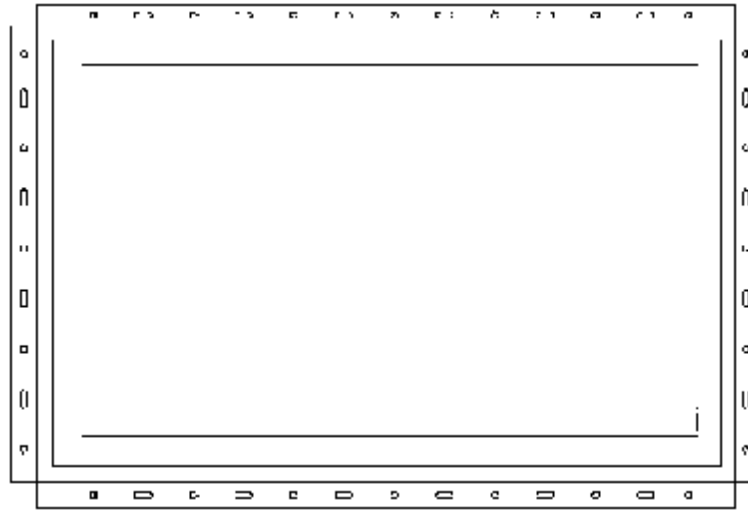
OP-40WT series

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2. Introduction

Technical Specifications		
Monitor	Panel	SamSung 40" Widescreen LCD Panel
	Display Type	TFT LCD active matrix color
	Resolutions	1,366 x 768
	Response Time	Tr=10ms, Tf=6ms
	Contrast Ratio	800:1 typical
	Brightness	500 cd/m^2 typical
	Pixel Pitch	0.648 x 0.216 mm
	Panel Color	16.7M display color
	Viewing Angle	85 / 85 / 85 / 85 (L / R / U / D)
	Storage Temp.	-20° to 65°C
	Operating Temp.	0° to 50°C
	MTBF	50,000 hours (Min.)
Power Supply	Power Supply	110V - 220V AC Input
	Cable Length of Power Cord	182cm
Connectors	Scart Video	Scart 21-pin (female) x 1
	RCA Video	Composite Video (female) x 1
	RCA Audio	Composite Audio (female) x 2 in/out
	S-video	S-video (female) x 1
	Component Video	Component (Y/Pb/Pr) x 1
	VGA	HDD D-sub 15 Pin (female) x 1
	DVI-D	DVI-D x 1
	RF TV Antenna	Available in television model only
Product Dimension	OP Series : 980(W) x 630(H) x 90(D) mm	
Packing Dimension	OP Series : 1201(W) x 851(H) x 330(D) mm	
Net / Gross Weight	OP Series : 18 Kg / 28 Kg	

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3. Installation

A.   Package Contents

After unpacking the carton, check and see if the following items are included in good condition. Contact your supplier as soon as possible for replacing the missing / damaged items.

- 40" TFT LCD monitor
- VGA Cable (Male to Male)
- Power Cord
- User Manual
- CD Disc

B.   Caution to the users

To assure continued FCC compliance, please use grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC (5) cable. Also, The Federal Communications Commission warns the user that any unauthorized changes or modifications to the unit if not expressly approved by the party responsible for compliance could void the user's authority of operating the equipment.

C.   Cleaning

1. Gently wipe screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles that can scratch the screen.

2. Do not apply excessive pressure to the screen surface when wiping it clean because this may damage the LCD.

3. Do not pour or spray any liquid directly onto the screen or case of the LCD monitor. Chemical cleaners have been reported to damage the screen or case of the LCD monitor.

3. Installation

D.   Precautions

Read all of these instructions and save them for later use. Follow all warnings and instructions on the product.

Product

● Do not cover or block the vent holes in the case.

● Do not insert sharp objects or spill liquid into the LCD monitor through cabinet slots. They may cause accident fire, electric shock or failure.

● Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.

● Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.

● Do not touch the screen directly with your fingers. You may damage the screen, and oil from your skin in difficult to move.

● Do not apply pressure to screen. The LCD is very delicate.

Power
1. Use the type of power indicated on the marking label.

Plugs

1. Do not remove any of the prongs of the monitor's three-pronged power plug.

2. Disconnect the power plug from the AC outlet under following conditions：

   ● If the product will not be used for an indefinite period time.

   ● When the power cord or plug is damaged or frayed.

   ● If the product does not operate normally when the operating instructions are followed.

   ● Adjust only those controls that are covered by the operating instructions.   Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

   ● If the product has been dropped or the cabinet has been damaged.

   ● If the product exhibits a distinct change in performance, indicating a need for service.

3. Installation

D.   Precautions (Cont.)

Power and extension cords

1. Do not allow anything to rest on the power cord.

2. Do not locate this product where persons will walk on the cord.

3. Use the proper power cord with correct attachment plug type. If the power source is 120V AC, use a power cord that has UL and C-UL approvals. If the power source is a 240V AC supply, use the tandem (T blade) type attachment plug with ground conductor power cord that meets the respective European country's safety regulations, such as VDE for Germany.

4. Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 10 amperes.

5. Ensure that the total ampere ratings on all units plugged into the extension cord is not above the cord's rating.

6. If the power supply cord, which came with your monitor, is to be connected to the PC instead of the wall outlet, this equipment is to be used with UL/TÜV approved computers with receptacle rated 100~240V AC, 50/60Hz, 1.0A(minimum).
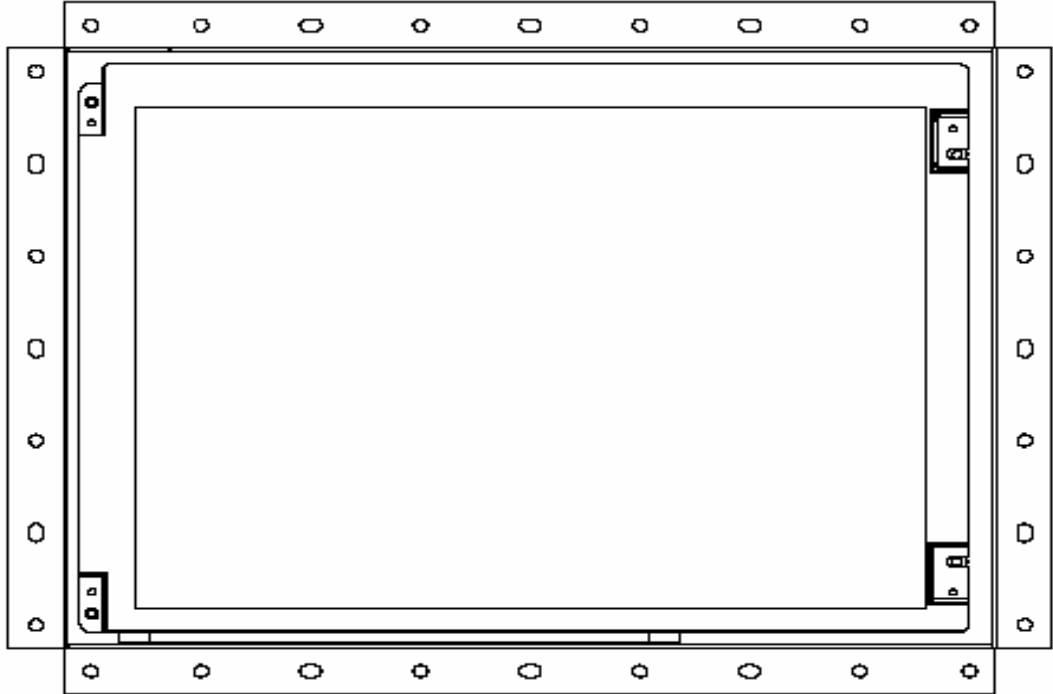
Environment

1. Place the monitor on a flat and leveled surface.

2. Place the monitor in a well-ventilated place.

3. Keep the monitor away from ： Overly hot, cold or humid places, places directly under sunlight, dusty surroundings, equipment that generate strong magnetic fields.
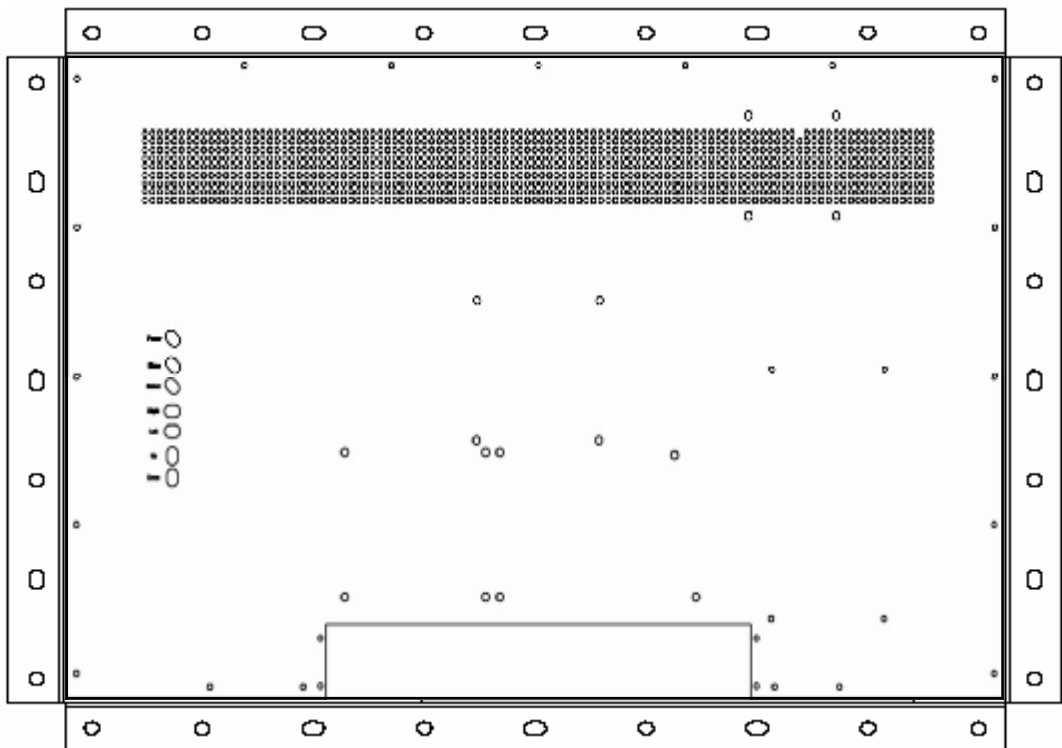
4. Using the System

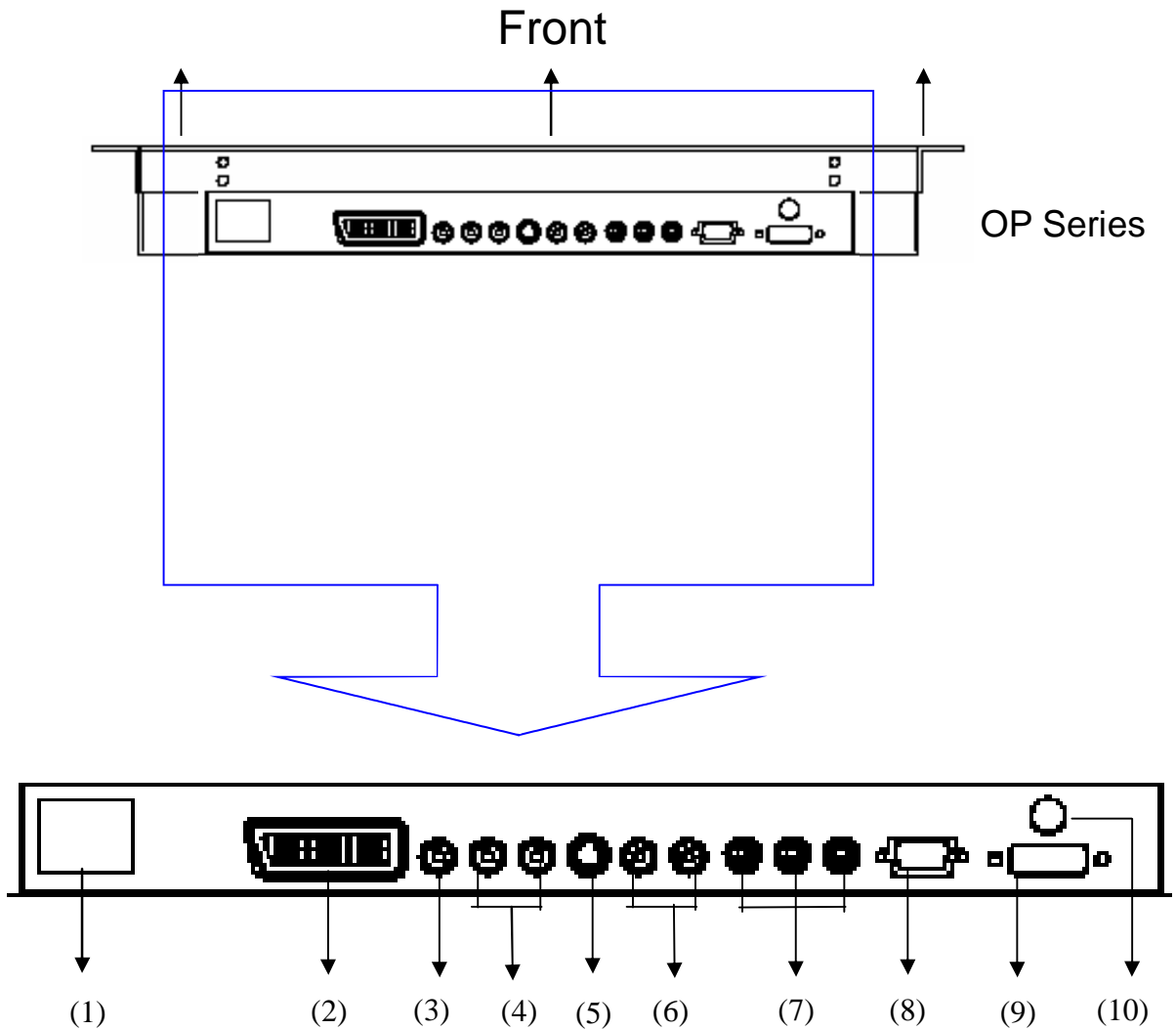## A.   Product Views (Cont.)

OP Series - Front View

OP Series - Rear View

4. Using the System

B.   I/O Outlet

Front

OP Series

(1)   (2)   (3)   (4)   (5)   (6)   (7)   (8)   (9)   (10)

(1) AC IN ： Connect to power cord.
(2) SCART IN ： Connect to 21pin Scart connector.
(3) RCA IN ： Connect to the composite RCA video connector.
(4) Audio IN ： Connect to the RCA audio connectors.
(5) S-Video IN ： Connect to the S-video connector.
(6) Audio OUT ： Connect to the RCA audio connectors.
(7) Component Video IN ： Connect to Component Video connectors.
(8) VGA IN ： Connect to the 15pin sub-D connector.
(9) DVI-D IN ： Connect to the DVI-D connector.
(10) Antenna IN ： Connect to the TV antenna connector.

4. Using the System

C.   Installation Procedures

This monitor is equipped with an auto-sensing power supply for voltage ranges 100~240V, 50~60Hz. Please follow the following instruction to install LCD monitor.

1. Make sure that the system power is turned off.

2. Plug the signal cable to the signal connector at the rear of PC and the rear of the LCD monitor.

3. Plug the power cord to the rear view of the LCD and switch on.

4. Connect the power cord to power source.

5. Turn on the computer and the monitor.

6. Then push the OSD menu button and use the Auto Adjust function to fine the best mode of your computer.

4. Using the System

D.   Setup Touchscreen

Touchscreen used for UltraView products are manufactured by 3M. Here provide TouchWare^{TM} Software includes touch screen drivers for your installing.

Note: To configure the settings of the touchscreen, please refer to the TouchWare^{TM} User Guideline

Note: If you have a Microsoft® IntelliPoint® or Kensington® Mousework® PS/2 mouse, installing TouchWare^{TM} software will disable the special mouse functionally of these devices

For Windows 95, 98, Me, NT4.0, 2000 & XP

1.   Open the driver CD provided along with the product or download the driver from our Website.

2.   Make sure you have completed the appropriate hardware connections.

3.   Power on your system. Make sure no other application are opened.

4.   Double click the "**TW564SR4.exe**" files.

5.   Unzip the file and save it in a default folder

> *Note:* Remember the path of the default folder or create a new folder by your decision.

6.   Follow the onscreen instructions to begin the installation.

> *Note:* Choose Express option for automatically installs the required TouchWare^{TM} software files, create a TouchWare^{TM} software program files, and place a TouchWare^{TM} software icon on the Windows desktop and control panel. TouchWare^{TM} will also determine multiple monitor configurations at this time.

> *Note:* For details of Custom option, please refer to the website of 3M and download the user guide of TouchWare^{TM} software.
> (http:// www.3m.com/3MTouchSystems/downloads/tecdoc.jhtml)

4. Using the System

D.   Setup Touchscreen

For Windows 95, 98, Me, NT4.0, 2000 & XP (Cont.)

7.   Once installation is complete, restart the system. As the system restarts, Windows detects and loads the driver.

- For serial controllers, restart the system. As the system restarts, Windows detects and load the driver

> *Note:* This step is not necessary for Windows 2000 or above system, The driver loads automatically.

- For USB controllers, connect the touch screen cable to the USB port in your computer. After a few seconds, the system beeps to indicate it has detected the touch screen and loaded the driver.

For DOS

When you install Touchware from DOS, the Install program only loads the touchscreen files specific to DOS. The installation includes the following files:

- Touchscreen driver for DOS
- Touchscreen control panel for DOS
- Pen Configuration utility for DOS
- Microcal Diagnostic utility
- ThruGlass control panel for DOS
- DOS help files

If you do not plan to use any of the touchscreen files for windows, you may want to install just the DOS touchscreen files.

1.   Open the driver CD provided along with the product or download the driver from our Website.

2.   Make sure you have completed the appropriate hardware connections. If not, the Install program cannot properly configure the touchscreen.

3.   Close all applications and exit from Windows.

4.   Insert the TouchWare Disk into a diskette drive.

5.   Access the DOS command line prompt.

6.   Change to the drive that has the TouchWare diskette. For example, enter **A:** if you inserted the TouchWare diskette in Drive A.

4. Using the System

D.   Setup Touchscreen

For DOS (Cont.)

7.   Type INSTALL followed by the source disk drive, the destination drive, and the destination directory.

For example, the following command copies the files from Drive A (source drive) to Drive C (destination drive) and the \MTS\TOUCH directory :

INSTALL A: C:\MTS\TOUCH

8.   Press Enter. The system reports that it is about to copy the DOS touchscreen files and prompt for confirmation that you want to continue.

9.   Press **C** to start the installation.
   ● First, the Install program copies all DOS touchscreen files from the TouchWare diskette to the specified destination drive and directory.
   ● Next, the Install program automatically searched through the system and configures the touchscreen to the proper COM port, interrupt, and communication rate.
   ● Finally, the Install program prompts if you want it to automatically modify your AUTOEXEC.BAT file

If you let the Install program modify your AUTOEXEC.BAT file, the system automatically loads the DOS touchscreen driver whenever you start your computer.

If you do not let the Install program modify your AUTOEXEC.BAT file, you must load the DOS touchscreen driver before using a DOS touch application. For more information, refer to "Loading the DOS Touchscreen Driver" in the next page

4. Using the System

D.   Setup Touchscreen

For DOS (Cont.)

Loading the DOS Touchscreen Driver

After you install the files for the DOS touchscreen driver, you must load the driver before you can run a DOS touch application or open the DOS Touchscreen control panel.

You can run the DOS touchscreen driver from a full-screen DOS session within Windows. However, the Windows touchscreen driver cannot be running. Error message reads: "Windows x.x is running in 386 Enhanced mode. Device not found."

This means either the Windows Touchscreen driver is loaded or the COM port/ IRQ designations are incorrect.

You can manually load the DOS touchscreen driver when needed, or you can let the system automatically load the driver when you start up your computer.

● To manually load the DOS touchscreen driver:

1. Close all applications and exit from Windows.

2. Access the DOS command line prompt.

3. Use the Change Directory (cd) command to switch to the directory that has the DOS touch driver files. By default, the Install program loads TouchWare into the C:\MTS|TOUCH directory.

4. Type DOSTOUCH and then press Enter. The system displays a message that the driver is now installed. For example:

```
MicroTouch Mouse Emulator - Version x.x
Copyright © 1990 - 1997 MicroTouch Systems, Inc.
Driver Installed
```

● To automatically load the DOS touchscreen driver when you start up your computer, add the following line to your AUTOEXEC.BAT file :
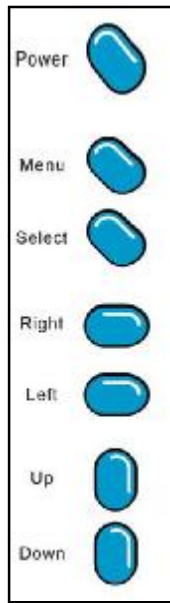
 drive-designator :\directory\DOSTOUCH

where drive-designator and directory define the location (disk and path) of the files for the DOS touchscreen. For example:

C:\MTS\TOUCH\DOSTOUCH

4. Using the System

E.   OSD Switch

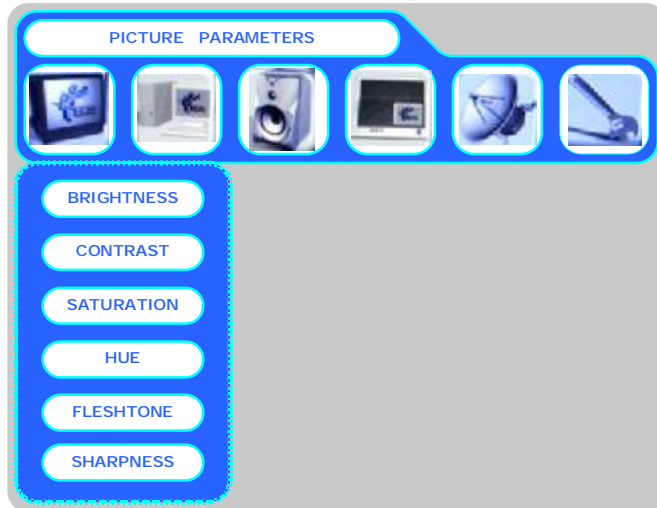OSD Buttons (From Top to Bottom)

Power Switch: This button is used to power ON/OFF the LCD

Menu: This button is used to enter OSD main Menu

Select: This button is used to select for composite video in-
                             put, RGB for VGA input , S-Video for S-Video, Scart
                             for Scart signal input, DVI-D for DVI digital signal
                             input and TV(Optional) input.

Right (à):   This button is used to adjust the manual to Right

Left (ß):   This button is used to adjust the manual to Left

Up (é):   This button is used to adjust the manual Upward

Down(ê):   This button is used to adjust the manual Downward

Steps to enter the OSD for function select:

Push the "Menu" button to show the OSD on the screen.
Push 'â ' & 'á ' to select the suitable category
Push " Menu" button twice to enter the category.
Push 'â ','á ','é' & 'ä ' to select the suitable function
Push " Select" button to confirm the function and exit the OSD

4. Using the System

F.   OSD Control

PICTURE PARAMETERS

BRIGHTNESS

CONTRAST

SATURATION

HUE

FLESHTONE

SHARPNESS

Main Menu

Picture Parameters

● To enter into the Brightness, Contrast, Saturation, Hue, Color Temp, Flashtone and Sharpness sub-menu

PC Parameters

● To enter into Auto adjust, Clock, phase, Position and Auto Color sub-menu

Audio Setting

● To enter into the Bass, Treble, Balance, Volume and Mute sub menu

Picture In Picture (Optional)

● To enter into the PIP Size and PIP Position sub-menu
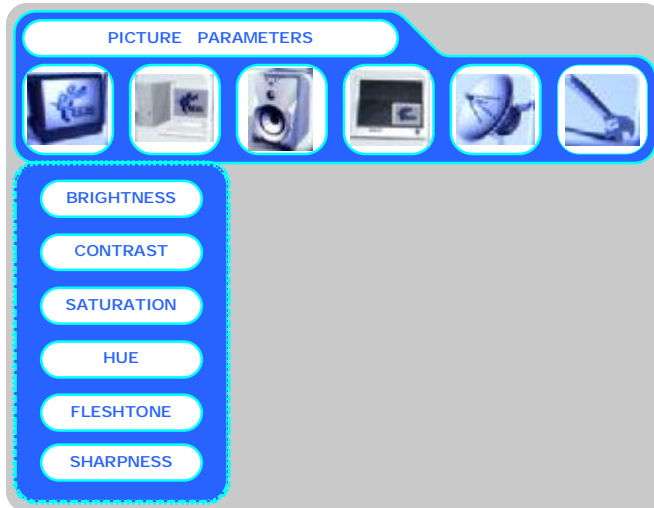
Channel Settings (Optional)

● To enter into the System, Auto Store, Manual Store, Sort and Delete sub-menu

General Settings

● To enter into the OSD Language, OSD Position, OSD Time out , Sleep Time, I/P Info, Factory Reset, Transparency and Deinterlacer sub-menu

4. Using the System

F.   OSD Control

Picture Parameters

Brightness

To perform brightness adjustment of the input signal

Use the Left 'á '& Right 'â ' button to adjust "Brightness" from 0-100

Contrast

To adjust the contrast level of the input signal

Use the Left 'á '& Right 'â 'button to adjust "Contrast" from 0-100

Saturation

To adjust the saturation level of the input signal

Use the Left 'á '& Right 'â 'button to adjust "Saturation" from 0-100

Hue

To adjust the Hue level of the input signal

Use the Left 'á '& Right 'â 'button to adjust "Hue" from (–19)-0-(+19)

Fleshtone

To on/off the Flesfhtone of the input signal

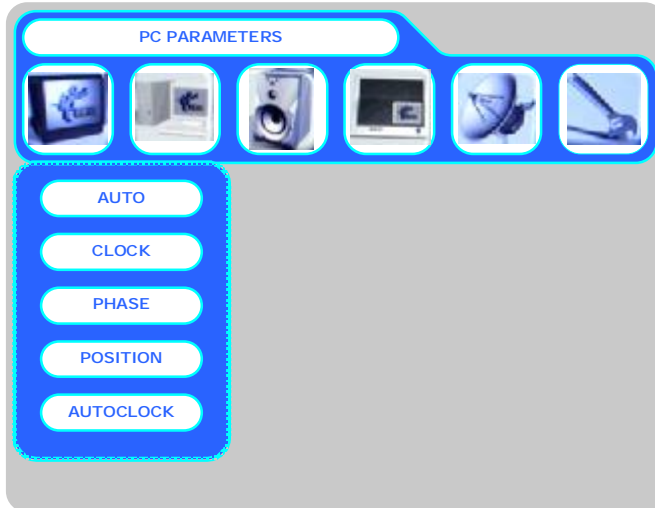Use the 'Select' to activate the "Fleshtone" function

Sharpness

To adjust the sharpness level of the input signal

Use the Left 'á '& Right 'â 'button to adjust "Sharpness" from 0-100

4. Using the System

F.   OSD Control

PC Parameters

Auto

To perform auto adjustment of the screen output

Use the Left '⟵'& Right '⟶' button to select Yes/No for " Auto-adjust"

Clock

To adjust input video sampling clock

Use the Left '⟵' & Right '⟶' button to adjust "Clock", from 0-100

Phase

To adjust input video sampling clock's phase

Use the Left '⟵' & Right '⟶' button to adjust "phase", from 0-255

Position

To adjust the horizontal and vertical position of the frame

Use the L '⟵', R '⟶', U '⟰' & D '⟱' button to adjust "H.position" & "V.position".

Auto Clock

To perform auto clock adjustment of the screen output

Use the Left '⟵'& Right '⟶' button to select Yes/No for " Auto Clock"

4. Using the System

F.   OSD Control

AUDIO SETTINGS

BASS

TREBLE

BALANCE

VOLUME

MUTE

Audio Settings

Bass

To adjust the bass level of the output signal

Use the Left 'á '& Right 'â ' button to adjust "Bass" from 0-15

Treble

To adjust the treble level of the output signal

Use the Left 'á '& Right 'â 'button to adjust "Treble" from 0-15

Balance

To perform balance adjustment of the output signal

Use the Left 'á '& Right'â ' button to adjust "Balance" from (-10)-0-(+10)

Volume

To adjust the volume level of the output signal

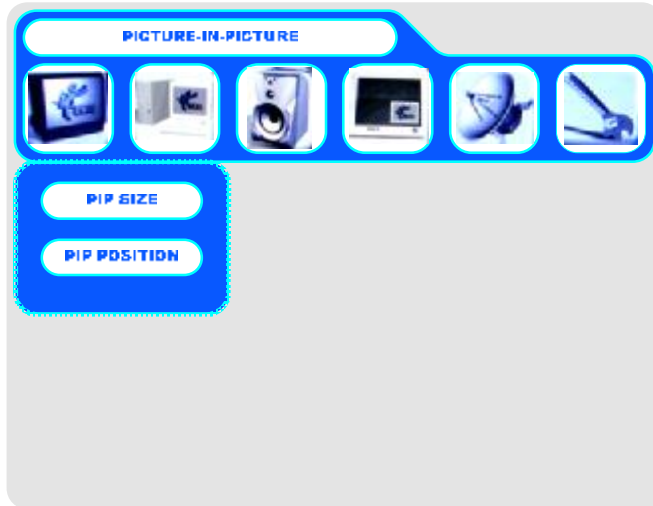Use the Left 'á '& Right 'â 'button to adjust "Volume" from 0-60

Mute

To perform Yes/No the mute function of the output signal

Use the Left 'á '& Right 'â 'button to activate the "Mute" function

4. Using the System

F.   OSD Control

Picture-In-Picture

PIP Size

To perform small picture size selection of the input signal

Use the Up 'é'& Down 'ä ' button to select the PIP sizes from "Off", " Small",
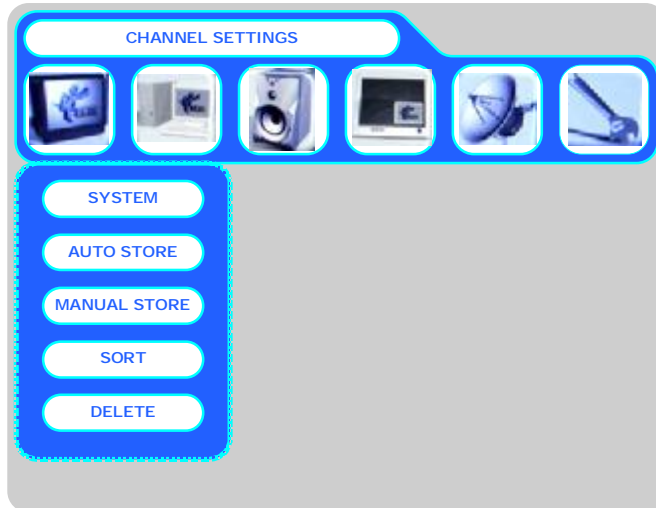
"Medium", " Large", "PAP" & "POP".

PIP Position

To perform PIP small picture position of the input signal

Use the Left 'á ', Right 'â 'Up 'é'& Down 'ä ' button to select the PIP posi-

tion.

4. Using the System

F.   OSD Control

CHANNEL SETTINGS

SYSTEM

AUTO STORE

MANUAL STORE

SORT

DELETE

Channel Settings

System

To perform TV System select for TV signal input

Use the Right 'â' button to enter the NTSC Manu., Then Use U 'é' & D 'ä' button to select suitable Regional NTSC System

Auto Store

To perform Auto Store function for TV Channel Setting

Use the Left 'á' & Right 'â' button to select Yes/No for Auto Store

Manual Store

To perform Manual Store function for TV Channel setting

Use the Left 'á' & Right 'â' button to moving the Channel Setting pointer on the Signal Indication Bar.

Sort

To perform range adjustment for Auto Store base on receivable status of TV Signal

Use the L 'á', R 'â', U 'é' & D 'ä' button to adjust The TV Channel range .

Delete

To perform delete function for TV Channel Setting

Use the L 'á', R 'â', U 'é' & D 'ä' button for "Channel Setting Delete"

4. Using the System

F.   OSD Control

General Settings (1)

OSD Languages

To perform brightness adjustment of the input signal

Use the Up 'é'& Down 'ä ' button to select "OSD Language" from:

(1) English

(2) Chinese (中文)

(3) Deursch

(4) Francais

(5) Espanol

(6) Italiano

OSD Position

To perform OSD position of the screen

Use the Left 'á ', Right 'â 'Up 'é'& Down 'ä ' button to select the OSD position.

OSD Time Out

To perform OSD display time out function

Use the Up 'é'& Down 'ä ' button to select the time period from "10 Sec", " 30 Sec." & " 1 Min".

4. Using the System

F. OSD Control

General Settings (2)

Sleep Time

To perform Sleep Time setting function

Use the Up 'é'& Down 'ä ' button to select the time period from "Off", " 30 Mins.", " 60 Mins." & " 120 Mins.".

IP Info

To perform IP Information display function show in the screen

Show the information about "Source", " Resolution.", "Hsync." & "Vsync.".

Factory Reset

To perform reactivate to the factory reset function

Use the Left 'á '& Right 'â ' button to select Yes/No for " Factory Reset"

Transparency

To adjust the transparency level of the OSD image

Use the Left 'á '& Right 'â 'button to adjust "Transparency " from 0-15
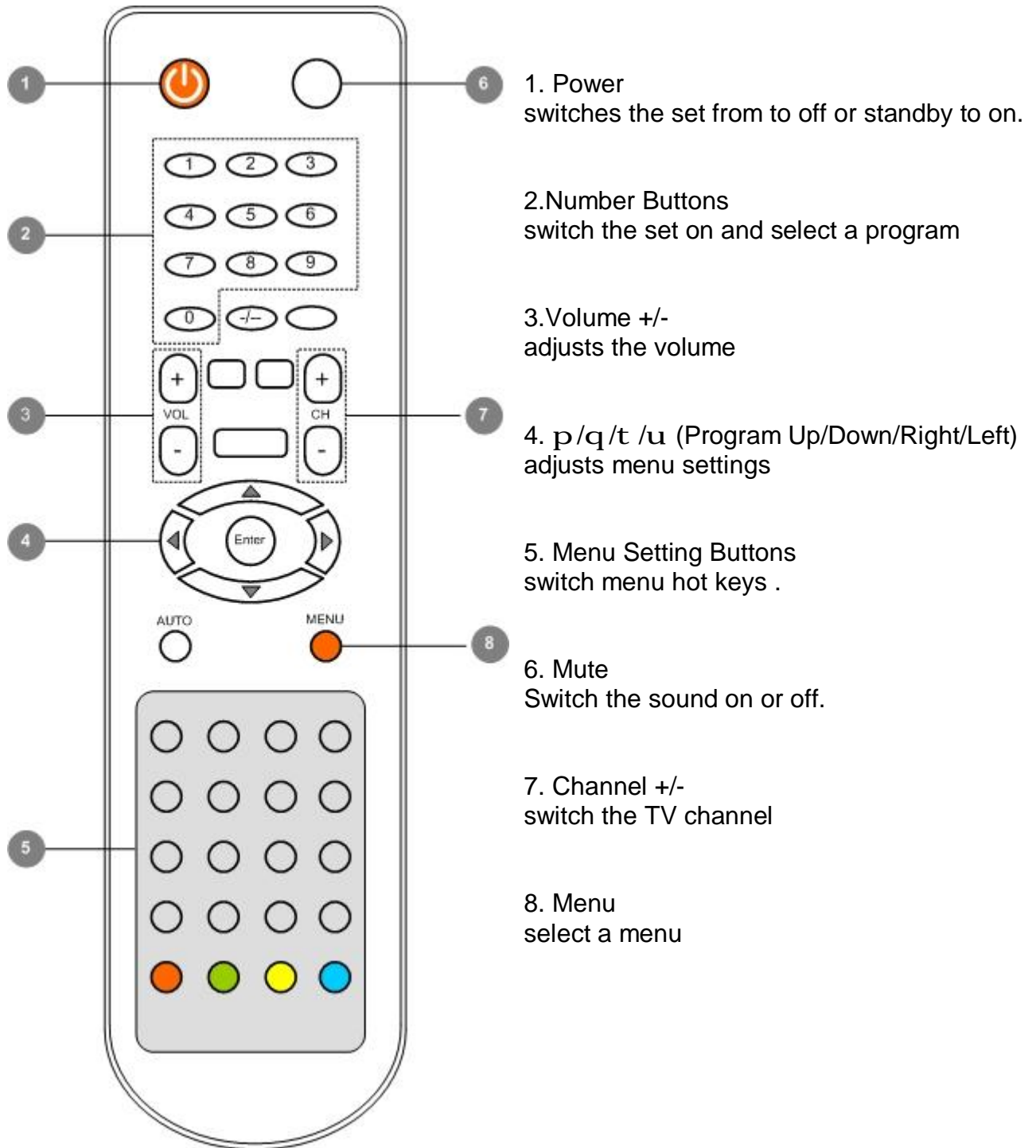
Deinterlacer

To perform deinterlacer function

Use the Up 'é'& Down 'ä ' button to select the "MADI", " Motion", " Film Mode" & "LADI".

4. Using the System

G.   Remote Control

1. Power
switches the set from to off or standby to on.

2. Number Buttons
switch the set on and select a program

3. Volume +/-
adjusts the volume

4. $p/q/t/u$ (Program Up/Down/Right/Left)
adjusts menu settings

5. Menu Setting Buttons
switch menu hot keys .

6. Mute
Switch the sound on or off.

7. Channel +/-
switch the TV channel

8. Menu
select a menu

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