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OWNERS MANUAL

LCD DISPLAY

TD-E501 / E401

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products.

Air Circulation

Leave more than 10cm around all edges when wall mounting the LCD display to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the LCD display is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

▲ WARNING The device you have bought must be plugged into the grounded electrical outlet. Please always use the grounded power cord provided. Manufacturer takes no responsibility for any damages that may occur as a result of ungrounded usage.

Disconnect your system from the power source in case of a long period of disuse.

Power

In order to disconnect your product from all power supplies, first turn off your display and unplug its AC cable from the power source.

- Always use the earthed AC cable provided.

Cleaning

Disconnect your product from the power supply before cleaning it.

Do not clean your product while it is switched on. Use a soft and damp cloth to clean the surface of product. Do not use chemical cleaners to clean the screen. Do not apply cleanser directly on your computer.

Vent Holes Of Your Product

Vent holes on the cabinet of your product ensures stable performance of your computer without overheating. Do not block these openings in anyway.

- Do not put any objects in the vent holes of your product. This may cause fire or short circuit of the internal parts of your product

Temperature & Fire

Do not expose your product close to fire or high heat sources“

Lightning

To protect the display during a thunder storm, unplug the power cord.

Repair

Unless a basic implementation on the LCD display is specified by the producer's technical department on a document, do not repair your product by yourself. Otherwise, your guarantee may get suspended and you may risk your health or your product. In case of need, consult your authorized service centre.

Do not throw or drop any object on your LCD display.

Do not keep your product in a humid environment.


Installation and Important Information

Locate the LCD display away from direct sunlight and strong lights.

Place the LCD display on a stable, level surface that can support the weight of the LCD display in order to maintain stability and prevent it falling over.

The LCD display panels are manufactured using an extremely high level of precision technology; however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen. Also, please ensure that small items are not inserted into slots or openings in the case.

 Avoid using chemicals (such as air refreshers, cleaning agents, etc.) on or near the LCD display pedestal. Studies indicate that plastics may weaken and crack over time from the combination

effects of chemical agents and mechanical stress (such as weight of LCD display). Failure to follow these instructions could result in serious injury and/or permanent damage to LCD display and LCD display pedestal.

Cleaning the screen and cabinet...

Turn off the power, and clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Please take note

Very long, continuous use of stationary images may result in some retention of the image. This is not a defect of the product and is not covered under the manufacturer's warranty. Regular use of other images will prevent permanent retention.

Exclusion Clause

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

- i) fire;
- ii) earthquake;
- iii) accidental damage;
- iv) intentional misuse of the product;
- v) use of the product in improper conditions;
- vi) loss and/or damage caused to the product whilst in the possession of a third party;
- vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
- viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

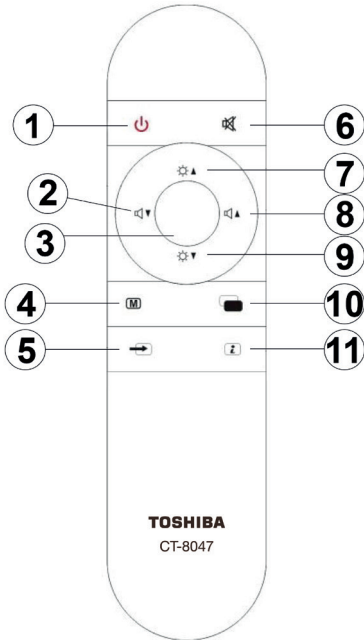
When Using a Wall Bracket

Please use a wall bracket appropriate for the size and weight of the LCD display and two people are required for the installation.

- (1) Unplug and remove any cables and/or other component connectors from the rear of the LCD display.
- (2) Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket.
- (3) Follow the instructions provided with your wall bracket. Before proceeding, make sure the appropriate bracket(s) are attached to the wall and the back of the display as described in the instructions provided with the wall bracket.

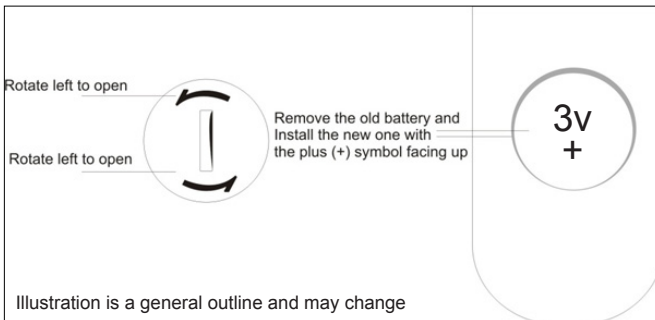
The Remote Control

Simple at-a-glance reference of the remote control. The supplied type is model dependant.



1. System ON/OFF
2. Volume Down
3. OK
4. Menu
5. Source Selection
6. Mute
7. Brightness Up
8. Volume Up
9. Brightness Down
10. Display ON/OFF
11. Information

Inserting Batteries and Effective Range of the Remote Control



Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are CR2025.

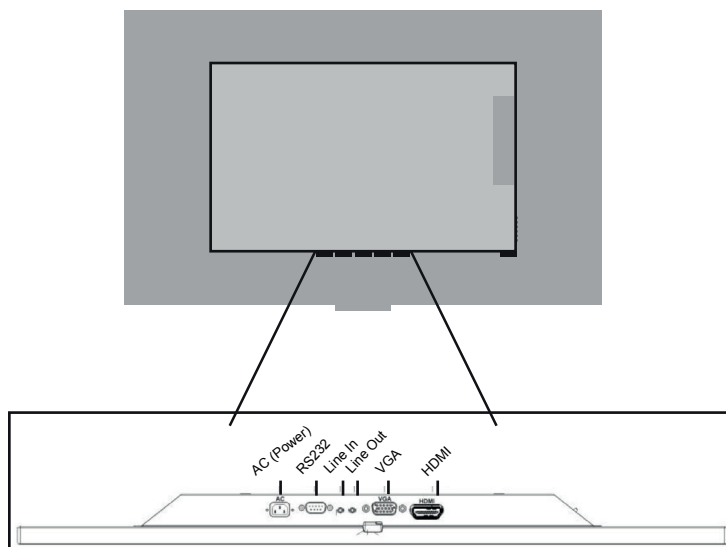
Remove exhausted batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area.

⚠ WARNING Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the IR receiver. If the operating range becomes reduced the batteries may need replacing.

Connecting External Equipment

Before connecting any external equipment, remove the mains plug from the wall socket.



AC (Power): The mains cable provides power to the display device.

HDMI : High Definition Multimedia Interface input used for transfer of digital video and audio.

Line IN: Line-in recording is a term often used by manufacturers of sound equipment to refer to the capability of a device to record line level audio feeds. Microphone and instrument inputs, by contrast, are designed for devices which require further amplification to be at line-level.

RS232: Serial communication port.

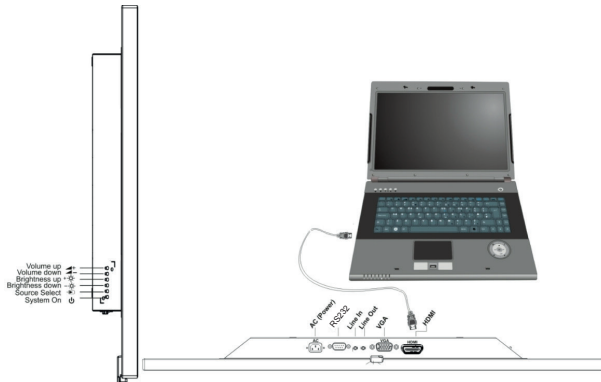
Line OUT: Alternatively referred to as audio out and sound out, the line out or line-out is a jack found on computer sound cards that allow external speakers, headphones, or other output devices to be connected to the computer, which enables computer generated sound and audio to be heard.

VGA : Analogue video signal input sometimes referred to as D-Sub.

Connecting an HDMI® or VGA Input

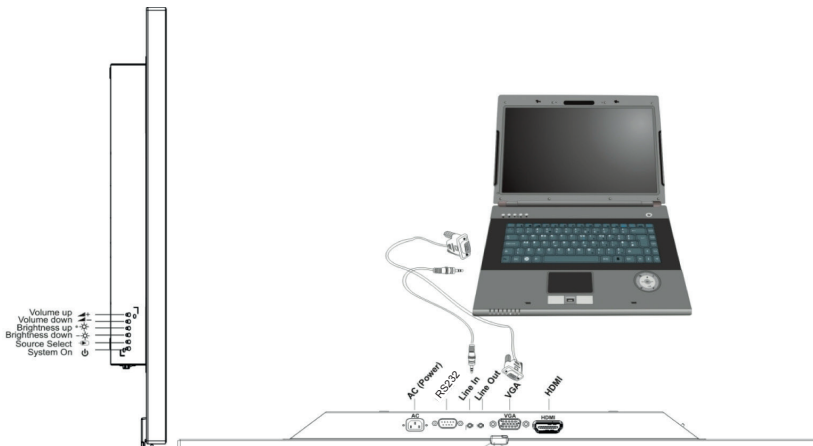
To Connect an HDMI Device

It is recommended that you use high quality HDMI cable of the correct HDMI standard, especially if longer cable lengths are used.

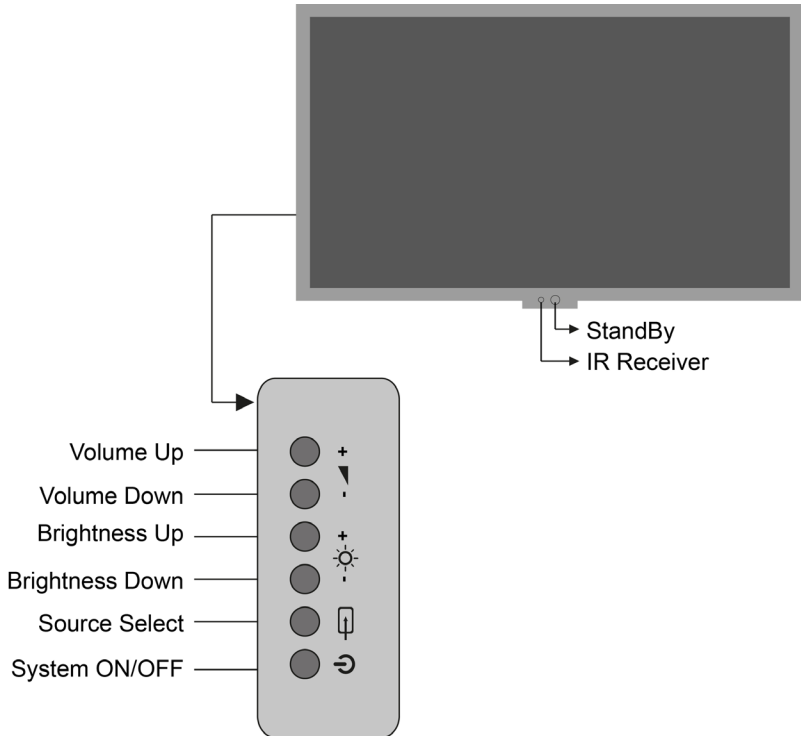


To Connect a VGA Device

Connect a VGA cable to the VGA terminal. It is recommended that you use a high quality VGA cable when using this input.



Function Buttons



Using the Controls On the Monitor

Using the control buttons on the Back of the monitor:

- To alter the volume press + or -
 - - Increase or + decrease the brightness setting of the screen.
 - To select an external input, press button until the appropriate input source is selected.
- Please always refer to the owner's manual of the equipment to be connected for full details.

The video inputs will be switched automatically if the current source is no longer detected. Priority of the Signal is OPS->HDMI->VGA (D-Sub).

MENU FUNCTIONS

In Monitor, below functions can be controlled by the user.

1. Auto Color*
2. Reset
3. ADC Offset*
4. ADC Gain*
5. Correlated Color Temperatures(CCT)
 - 5.1 9300K
 - 5.2 6500K
 - 5.3 5000K
 - 5.4 7500K
6. User
7. Brightness
8. Auto Config*
9. Exit

**These functions are activated only in VGA mode.
In other modes they do not have any function*

Menu Functions can be changed by the using Remote Control Unit(RCU).

- "OK"Button: Selects current function and enables to modify it.
- Volume Up/Down- Brightness Up/Down Buttons:
 - Enable to go to left and right on the selected row respectively.
 - Enable to decrease or increase the selected value respectively.
 - Enable to go to up and down on the Functions column respectively.
- Source Change Button:
 - Enables to go back from current adjustment and if it is pressed on the Functions column, it closes the Menu.

In order to bring up the Menu, press **M** button on RCU. It will appear in the middle of the screen.



1. Auto Color Function

Auto Color function adjusts picture color automatically.



2. Reset

Reset function will set all values to factory defined values.



4. ADC Gain

ADC GAIN function enables to set ADC gain values in VGA mode.



3. ADC Offset

ADC OFFSET function enables to set ADC offset values in VGA mode.



5. CORRELATED COLOR TEMPERATURES (CCT)

Pre-defined CCT values are like below:

5.1 9300K

* Monitor CCT value comes with 9300K as default.



5.2. 6500K



A screenshot of a color calibration menu. The menu is displayed on a blue background with a green and yellow abstract graphic on the right. The menu items are listed in a table format. The '6500K' option is highlighted with a red bar.

Auto Color	Version	V4024
Reset	P 30	K2
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R103	G116 B117
6500K	R 96	G 98 B 88
6000K	R128	G119 B 93
7500K	R 93	G 98 B 94
User	R128	G128 B128
Brightness	128	
Auto Config		
Exit		

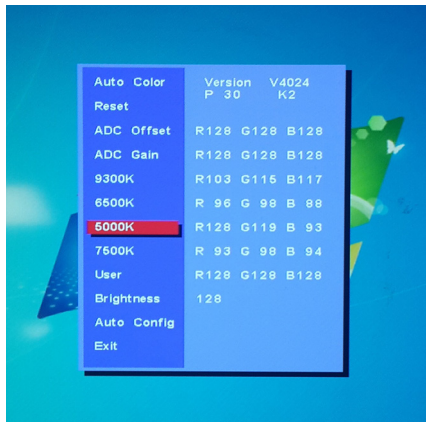
5.4. 7500K



A screenshot of a color calibration menu. The menu is displayed on a blue background with a green and yellow abstract graphic on the right. The menu items are listed in a table format. The '7500K' option is highlighted with a red bar.

Auto Color	Version	V4024
Reset	P 30	K2
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R103	G116 B117
6500K	R 96	G 98 B 88
6000K	R128	G119 B 93
7500K	R 93	G 98 B 94
User	R128	G128 B128
Brightness	128	
Auto Config		
Exit		

5.3. 5000K



A screenshot of a color calibration menu. The menu is displayed on a blue background with a green and yellow abstract graphic on the right. The menu items are listed in a table format. The '5000K' option is highlighted with a red bar.

Auto Color	Version	V4024
Reset	P 30	K2
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R103	G116 B117
6500K	R 96	G 98 B 88
5000K	R128	G119 B 93
7500K	R 93	G 98 B 94
User	R128	G128 B128
Brightness	128	
Auto Config		
Exit		

6. User

* User section comes with R:128, G:128, B:128 as default.

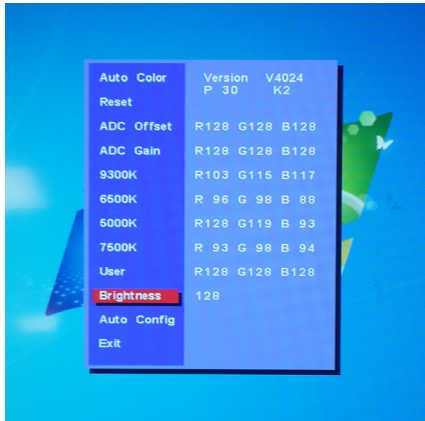


A screenshot of a color calibration menu. The menu is displayed on a blue background with a green and yellow abstract graphic on the right. The menu items are listed in a table format. The 'User' option is highlighted with a red bar.

Auto Color	Version	V4024
Reset	P 30	K2
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R103	G116 B117
6500K	R 96	G 98 B 88
6000K	R128	G119 B 93
7500K	R 93	G 98 B 94
User	R128	G128 B128
Brightness	128	
Auto Config		
Exit		

7. Brightness

Picture brightness can be adjusted by changing the brightness value. It comes with 128 as default. Increasing and decreasing the 128 much more will cause saturation on the picture, so it is critical to adjust this to a value for a good not done image quality. It changes between 0 and 255.



8. Auto Config

Auto Config function enables DS Monitor to adjust resolution automatically in VGA mode.



9. Exit

Exit function closes the menu.



⚠ WARNING The MENU, after 30 seconds closes automatically. But if any operation has been made in the MENU, it closes after 10 seconds if there is no operation.

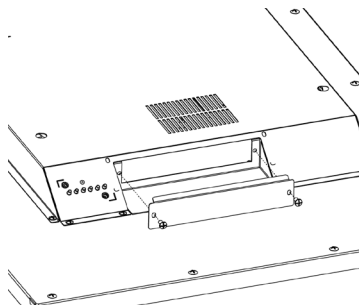
NOTE: If the display has a power cycle all settings are lost and the unit returns to the default "User" setting.

Mounting the OPS computer on the monitor

1. Turn off the main power switch to the monitor and disconnect the power cord.

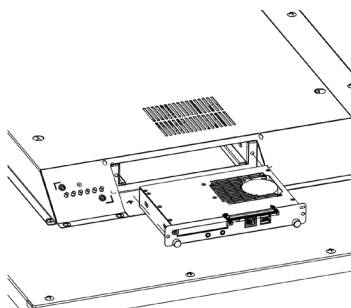
WARNING Be sure to disconnect the power cord to prevent breakdown and electric shock.

2. Unscrew 2 screws and remove the option cover.



NOTE : Retain the option cover you have removed because it is replaced when the OPS computer is not fitted.

2. Insert an OPS computer (commercially available) in the option slot and secure it on the monitor using the 2 screws that you have removed in step 2.



CAUTION After installing the option slot cover, ensure that the OPS computer is positioned and oriented properly and then insert it fully into the slot. The device may be damaged if installed in an incorrect position and orientation.

Removal of the OPS computer

Hold the handle if provided on the OPS computer for removal.

CAUTION Extract the OPS computer by using the handle only. Pulling on the cable or other means may cause damage.

Appendix A: PC Input Typical Display Modes

HDMI®

index	Resolution	Frequency
1	640x400	60Hz
2	800x600	60Hz
3	1024x768	60Hz
4	1920x1080	60Hz

VGA

index	Resolution	Frequency
1	640x400	60Hz
2	800x600	56Hz
3	800x600	60Hz
4	1920x1080	60Hz

Appendix B: Pin out description of VGA and RS232 sockets

Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket. Signal information for Mini VGA 15 pin connector

VGA Pinout

Pin	Name
1	RED
2	GREEN
3	BLUE
4	RES
5	GND
6	RGND
7	GGND
8	BGND
9	+5V
10	SGND
11	ID0
12	SDA
13	HSYNC or CSYNC
14	VSYNC
15	SCL

RS232 Pinout

DE-9 Pin	Signal Name
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

RS232 Command

Function Name	Function Type	Command Data (HEX)								Additional Information							
OPS Power	ON	BE	EF	03	06	00	2A	D3	01	00	00	60	00	00			
	OFF	BE	EF	03	06	00	BA	D2	01	00	00	60	01	00			
	GET	BE	EF	03	06	00	19	D3	02	00	00	60	00	00	1D 00 00 : OFF	1D 00 00 : ON	
Source	OPS	BE	EF	03	06	00	FE	D2	01	00	00	20	00	00			
	HDMI	BE	EF	03	06	00	0E	D2	01	00	00	20	03	00			
	VGA	BE	EF	03	06	00	6E	D2	01	00	00	20	01	00			
Backlight	GET	BE	EF	03	06	00	89	D2	02	00	03	20	00	00	1D 00 XX : value		
	INCREMENT	BE	EF	03	06	00	EF	D2	04	00	03	20	00	00			
	DECREMENT	BE	EF	03	06	00	3E	D3	05	00	03	20	00	00			
Volume	SET	BE	EF	03	06	00	89	D2	03	00	03	20	00	00	Default Value: 0x64	Range: 0x64 - 0x1E	
	RESET	BE	EF	03	06	00	58	D3	06	00	00	70	00	00			
	GET	BE	EF	03	06	00	31	D3	02	00	01	20	00	00	1D 00 XX : value		
Screen	INCREMENT	BE	EF	03	06	00	57	D3	04	00	01	20	00	00			
	DECREMENT	BE	EF	03	06	00	86	D2	05	00	01	20	00	00			
	SET	BE	EF	03	06	00	31	D3	03	00	01	20	01	XX	Default Value: 0x10	Range: 0x1D-0x00	
Auto Adjust	ON	BE	EF	03	06	00	FB	D8	01	00	20	30	00	00			
	OFF	BE	EF	03	06	00	6B	D9	01	00	20	30	01	00			
	GET	BE	EF	03	06	00	C8	D8	02	00	20	30	00	00	1D 00 00 : OFF	1D 00 01 : ON	
Keypad Lock	ON	BE	EF	03	06	00	32	D4	01	00	19	20	01	00			Only VGA
	OFF	BE	EF	03	06	00	A2	D5	01	00	19	20	00	00			Only VGA
	GET	BE	EF	03	06	00	93	97	01	00	11	24	01	00			
Remote Controller Lock	OFF	BE	EF	03	06	00	03	96	01	00	11	24	00	00			
	ON	BE	EF	03	06	00	30	96	02	00	11	24	00	00	1D 00 00 : OFF	1D 00 01 : ON	
	GET	BE	EF	03	06	00	E7	96	01	00	16	24	01	00			
OSD Menu	OFF	BE	EF	03	06	00	77	97	01	00	16	24	00	00			
	ON	BE	EF	03	06	00	44	97	02	00	16	24	00	00	1D 00 00 : OFF	1D 00 01 : ON	
	GET	BE	EF	03	06	00	6A	63	01	00	00	37	01	00			
Contrast	ON	BE	EF	03	06	00	FA	62	01	00	00	37	00	00			
	OFF	BE	EF	03	06	00	FD	D3	02	00	04	20	00	00	1D 00 XX : value		
	SET	BE	EF	03	06	00	FD	D3	03	00	04	20	01	XX	40" default value: 0x9E 50" default value: 0x8A	65" default value: 0x9E	Range: 0xB2-0x4E
Monitor	INCREMENT	BE	EF	03	06	00	9B	D3	04	00	04	20	00	00			
	DECREMENT	BE	EF	03	06	00	4A	D2	05	00	04	20	00	00			
	ON	BE	EF	03	06	00	19	D3	02	00	00	60	02	00			
Mute	OFF	BE	EF	03	06	00	19	D3	02	00	00	60	01	00			
	ON	BE	EF	03	06	00	19	D8	03	00	00	60	07	00	1D 00 00 : OFF		
	GET	BE	EF	03	06	00	D6	D2	01	00	02	20	01	00			
Auto Position	OFF	BE	EF	03	06	00	46	D3	01	00	02	20	00	00			
	ON	BE	EF	03	06	00	75	D3	02	00	02	20	00	00	1D 00 00 : OFF		
	EXECUTE	BE	EF	03	06	00	91	D0	02	00	0A	20	00	00			Only VGA
Color Temperature	INCREMENT	BE	EF	03	06	00	0B	F5	10	00	B0	30	03	00	9300K, 6500K, 5000K, 7500K, USER		
	DECREMENT	BE	EF	03	06	00	CB	F8	01	00	B0	30	13	00	9300K, 6500K, 5000K, 7500K, USER		
	GET	BE	EF	03	06	00	C8	F5	02	00	B0	30	00	00	1D 00 XX : value	00=9300K, 00=6500K, 00=7500K, USER	
Clock	INCREMENT	BE	EF	03	06	00	19	D4	03	00	00	60	03	00			Only VGA
	DECREMENT	BE	EF	03	06	00	19	D5	03	00	00	60	04	00			Only VGA
	GET	BE	EF	03	06	00	19	D7	03	00	00	60	06	00	1D XX XX : value		Only VGA
Phase	INCREMENT	BE	EF	03	06	00	19	D7	03	00	00	60	06	00			Only VGA
	DECREMENT	BE	EF	03	06	00	2F	83	04	00	03	21	00	00			Only VGA
	GET	BE	EF	03	06	00	FE	82	05	00	03	21	00	00	1D 00 XX : value		Only VGA
H-Position	INCREMENT	BE	EF	03	06	00	49	83	02	00	03	21	00	00			Only VGA
	DECREMENT	BE	EF	03	06	00	97	82	04	00	01	21	00	00			Only VGA
	GET	BE	EF	03	06	00	46	83	05	00	01	21	00	00			Only VGA
V-Position	INCREMENT	BE	EF	03	06	00	F1	82	02	00	01	21	00	00	1D XX XX : value		Only VGA
	DECREMENT	BE	EF	03	06	00	6B	83	04	00	01	21	00	00			Only VGA
	GET	BE	EF	03	06	00	BA	82	05	00	00	21	00	00			Only VGA
Color Get Gain R	INCREMENT	BE	EF	03	06	00	0D	83	02	00	00	21	00	00	1D 00 XX : value		Only VGA
	DECREMENT	BE	EF	03	06	00	52	F4	04	00	B1	30	00	00			
	GET	BE	EF	03	06	00	83	F5	05	00	B1	30	00	00	1D XX XX : value		
Color Get Gain G	INCREMENT	BE	EF	03	06	00	34	F4	02	00	B1	30	00	00			
	DECREMENT	BE	EF	03	06	00	16	F4	04	00	B2	30	00	00			
	GET	BE	EF	03	06	00	C7	F5	05	00	B2	30	00	00	1D 00 XX : value		
Color Get Gain B	INCREMENT	BE	EF	03	06	00	70	F4	02	00	B2	30	00	00			
	DECREMENT	BE	EF	03	06	00	EA	F5	04	00	B3	30	00	00			
	GET	BE	EF	03	06	00	3B	F4	05	00	B3	30	00	00	1D XX XX : value		

Specifications and Accessories

Audio

Built-in speakers (2 x 10W)

Input / Output Ports

1 x HDMI in port

1 x VGA in port

1 x Line in port

1 x Line out port

1 x RS232 port

Remote Controller

User friendly remote controller

Power Ranges with Only Monitor

50" 170-240V~50 Hz, 560mA

40" 170-240V~50 Hz, 600mA

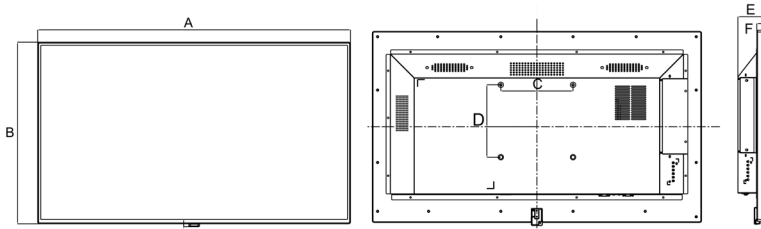
Panel Type		TFT 50" FHD ELED	TFT 40" FHD ELED
Active area		1095.84 (H) x 616.41 (V)	885.6 (H) x 498.15 (V)
Visual angle	Horizontal	89°	89°
	Vertical	89°	89°
Max. brightness		450 cd/m2	450 cd/m2
Max. contrast		1200:1	5000:1
Response time (G-G)		6 ms @ Trising; 9 ms @Tfalling	8 ms
Max. resolution		1920 * 1080	1920 * 1080
H - frequency		57.3 KHz ~ 70 KHz	61 KHz ~ 74 KHz
V - frequency		57Hz ~ 63Hz @ NTSC	48Hz ~ 66Hz

Weight Information

	TD-E 401	TD-E 501
LCD display without stand	15,5 kg	19,5 kg
Gross weight (Including Accessories)	20,0 kg	23,5 kg

Specification is subject to change without notice

Unit Dimensions



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
50"	1120	645	400	400	78	28
40"	911,80	527,95	200	200	78,14	25,75

Supplied Accessories

EU power Cable
 UK power cable
 Remote Controller
 Battery CR2025
 QSUG

Optional Accessories

UPS Unit as recommended by
 Toshiba

Using Your LCD display Product More Effectively

Paying attention to the following points with respect to your product will provide a stable performance and also prolong its life.

Daily Care

• Environmental Factors

Ambient temperature must be between 10°C - 35°C while your product is running. Do not directly expose your product to humidity, high temperature, fire, direct sun light and dust while using it. The vent holes of your product will allow it perform safer without system overheating. Do not cover these holes or do not prevent air flow with an object.

Position your product at least 15 cm away from strong magnetic field generating electrical devices such as product, refrigerator or large speakers. Do not suddenly take your product from a cold environment and suddenly put it in a warm environment. A sudden temperature change of 10°C may cause some of the internal parts to malfunction. Do not put your product on an uneven surface.

• General points

When using RS232 commands do not disable the “backlight” setting from power management. Its automatic turn off is one of the factors ensuring its long-life.

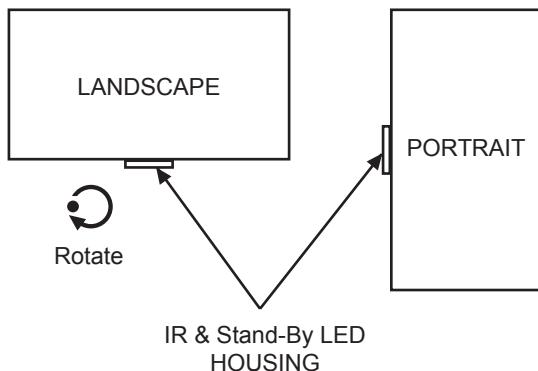
• Points to be taken into consideration while cleaning the product

Your system must be turned off while cleaning your product. Please use a soft and damp piece of cloth for cleaning its surface. Do not use chemical cleansers to clean the screen. Do not directly apply the cleaning material on your monitor.

• Orientation

Your display can be mounted in both portrait and landscape positions.

When changing from Landscape to Portrait mode, the display must only be rotated clockwise so the IR and Stand-by LED housing is on the left side.



Question & Answer Section

	Question	Answer
Sound	Why is there no sound or picture?	Check if the LCD display is not in standby mode- Check the mains plug and all mains connections.
	Why is there a picture but no sound?	Check if the volume has not been turned off or sound mute has not been selected
	Why does the sound come only from one speaker when stereo sound is selected?	Check the balance in the SOUND menu if it has been set to one side or not
	Sound system is not working.	Be sure that sound volume is not low and sound is not muted. Ensure that the sound driver and its application are installed properly. Check that your product is not in Hibernate mode. Check cable connections in case you use an external speaker.
General	External microphone and auditory devices are not working	Make sure that the cables are properly and firmly connected. Check that the driver is installed. Check sound settings and whether the system is muted or not.
	System does not start.	Be sure that AC cable is connected firmly.
	To wake up system	At start of this command ensure blue led indicator is on.
	No HHU command operation	Allow sufficient time for the HHU commands to activate. Multiple HHU button pushes may cause incorrect operation.
	No OPS Operation	Due to the range of OPS units available in the market, compatibility can not be guaranteed, and therefore some functionality may not be available.

After power up with an OPS unit the display may not function immediately. The display will wake up when the desktop is displayed. This may take upto 1 minute depending upon OPS unit used.

Some OPS units may not boot immediately from a mains power cycle. A 2nd power cycle maybe required.

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Disposal...

The following information is only for EU-member states:

Disposal of products

The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.

The black bar indicates that the product was placed on the market after August 13, 2005.

By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.

For more detailed information about the collection and recycling programmes available in your country, please visit our website (www.toshiba.eu/recycling) or contact your local city office or the shop where you purchased the product.



Disposal of batteries and/or accumulators

The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.

If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the European Battery Directive, then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.

By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health. For more detailed information about the collection and recycling programmes available in your country, please visit our website (www.toshiba.eu/recycling) or contact your local city office or the shop where you purchased the product.



REACH information

The European Union (EU) chemical regulation, REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), entered into force on 1 June 2007, with phased deadlines to 2018. Toshiba will meet all REACH requirements and is committed to provide our customers with information about the presence in our articles of substances included on the candidate list according to REACH regulation. Please consult the following website www.toshiba.eu/reach for information about the presence in our articles of substances included on the candidate list according to REACH in a concentration above 0.1 % weight by weight.

EU Conformity Statement



This product is carrying the CE-Mark in accordance with the related European Directives.

Responsible for CE-Marking is TOSHIBA, 23 Davy Road, Plymouth, PL6 8BY UK.

This product is labeled with the CE Mark in accordance with the related European Directives, notably Low Voltage Directive 2006/95/EC, Electromagnetic Compatibility Directive 2004/108/EC and RoHS Directive 2011/65/EU.

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