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OWNERS MANUAL

LCD DISPLAY

TD-E651

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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.
- In the UK, the fitted fuse in the plug is 5A.

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.

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

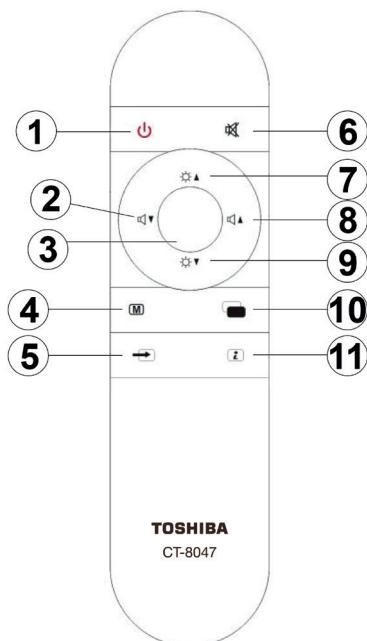
Please use a wall bracket appropriate for the size and weight of the LCD display and two people are required for the installation.

(1) Carefully lay the front of the unit face down on a flat, cushioned surface such as a quilt or blanket.

(2) 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.

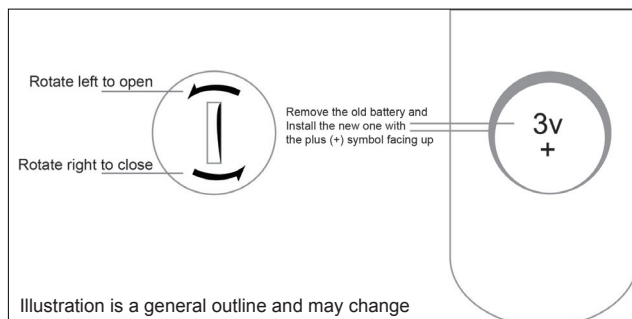
The Remote Control

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 battery is inserted the right way round. Suitable battery types for this remote are CR2025.

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

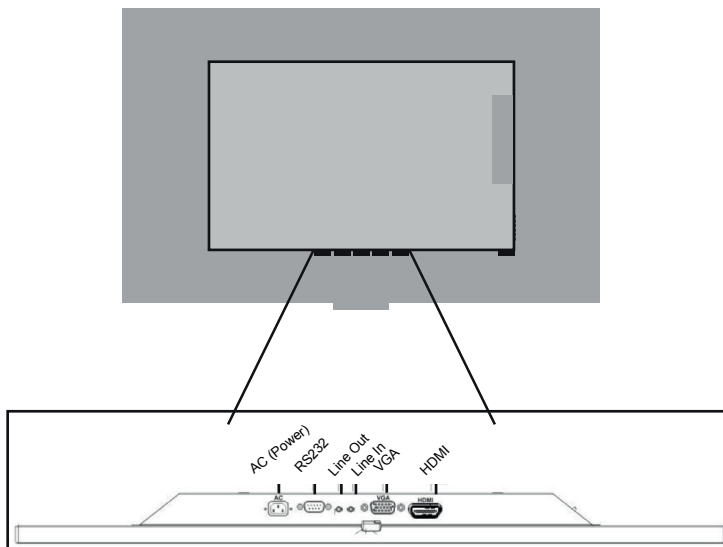
⚠ WARNING Batteries must not be

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.



generated sound and audio to be heard.

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

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

RS232: Serial communication port.

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

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.

Line OUT: Alternatively referred to as audio out and sound out, the line in 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

Connecting an HDMI™ or VGA Input

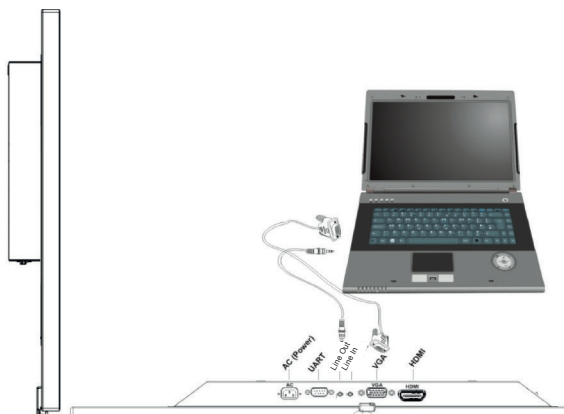
To Connect a HDMI Device

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

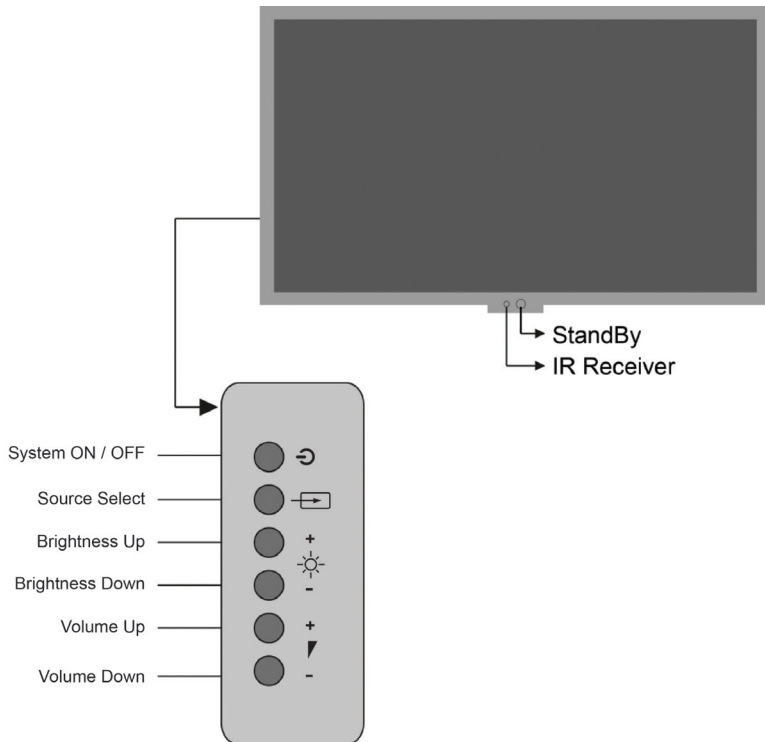


To Connect a VGA Device

Connect an 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 DS 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
 - 5.5 User
6. Brightness
7. Auto Config*
8. DPMS

1. Auto Color Function

Auto Colour function adjusts picture color automatically.

Auto Color	Version	V6612
Reset	P 30	K2
	Life Timer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

**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 reach the Menu, press **M** button from RCU. It will appear in the middle of the screen.

2. Reset

Reset function will set all values to factory defined values.

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

3. ADC Offset

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

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

4. ADC Gain

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

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

5. CORRELATED COLOR TEMPERATURES (CCT)

Pre-defined CCT values are like below:

5.1 9300K

* Monitor CCT value comes with 9300K as default.

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

5.2. 6500K

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

5.4. 7500K

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

5.3. 5000K

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

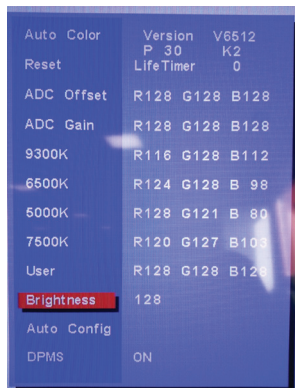
5.5 User

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

Auto Color	Version	V6512
Reset	P 30	K2
	LifeTimer	0
ADC Offset	R128	G128 B128
ADC Gain	R128	G128 B128
9300K	R116	G128 B112
6500K	R124	G128 B 98
5000K	R128	G121 B 80
7500K	R120	G127 B103
User	R128	G128 B128
Brightness	128	
Auto Config		
DPMS	ON	

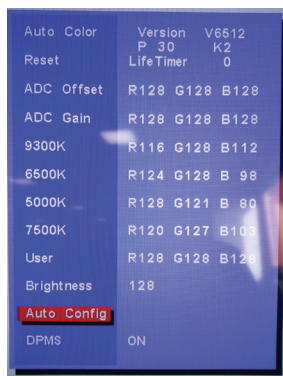
6. Brightness

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 proper value for a good image quality. It changes between 0 and 255.



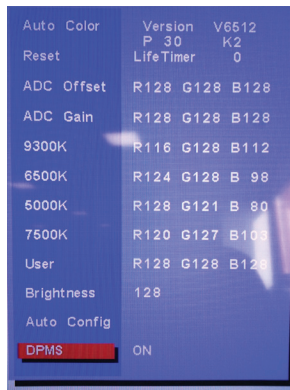
7. Auto Config

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



8. DPMS

DPMS (VESA Display Power Management Signaling) function can be enabled or disabled with this function(ON/OFF). When the DPMS is set as OFF, the device will not enter the Standby mode.



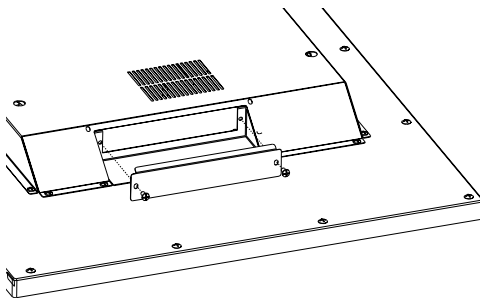
⚠ WARNING In case of no operation on the MENU, after 30 seconds it closes automatically. But if any operation has been made on the MENU, in this time it closes automatically after 10 seconds if there is no operation again.

Mounting the OPS computer on the monitor

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

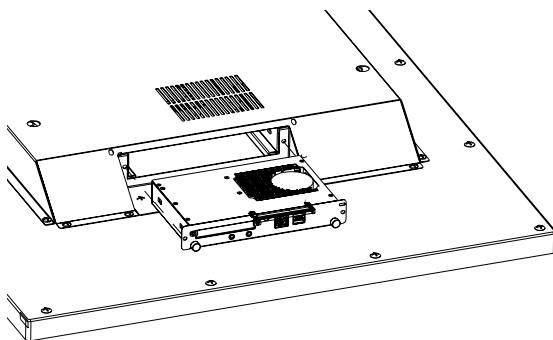
⚠ WARNING Be sure to disconnect the power cord to prevent breakdown and electric shock.

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 to the monitor using the 2 screws that you have removed in step 2.



CAUTION After installing, 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	CD D2	02 00	00 20	00 00	1D 00 01: PC	1D 00 02: VGA	1D 00 03:HDMI	
	INCREMENT	BE EF	03	06 00	89 D2	02 00	03 20	00 00	1D 00 XX : value			
	DECREMENT	BE EF	03	06 00	EF D2	04 00	03 20	00 00				
	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				
Volume	GET	BE EF	03	06 00	31 D3	02 00	01 20	00 00	1D 00 XX : value			
	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		
Screen	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		
Auto Adjust	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
Keypad Lock	ON	BE EF	03	06 00	93 97	01 00	11 24	01 00				
	OFF	BE EF	03	06 00	03 96	01 00	11 24	00 00				
	GET	BE EF	03	06 00	30 96	02 00	11 24	00 00	1D 00 00 : OFF	1D 00 01 : ON		
Remote Controller Lock	OFF	BE EF	03	06 00	E7 96	01 00	16 24	01 00				
	ON	BE EF	03	06 00	77 97	01 00	16 24	00 00				
OSD Menu	GET	BE EF	03	06 00	44 97	02 00	16 24	00 00	1D 00 00 : OFF	1D 00 01 : ON		
	ON	BE EF	03	06 00	6A 63	01 00	00 37	01 00				
	OFF	BE EF	03	06 00	FA 62	01 00	00 37	00 00				
Contrast	GET	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	
	INCREMENT	BE EF	03	06 00	9B D3	04 00	04 20	00 00				
Monitor	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				
	OFF	BE EF	03	06 00	19 D3	02 00	00 60	01 00				
Mute	GET	BE EF	03	06 00	19 D8	03 00	00 60	07 00	1D 00 00 : OFF			
	ON	BE EF	03	06 00	D6 D2	01 00	02 20	01 00				
	OFF	BE EF	03	06 00	46 D3	01 00	02 20	00 00				
Auto Position	GET	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	2F 83	04 00	03 21	00 00				Only VGA
	DECREMENT	BE EF	03	06 00	FE 82	05 00	03 21	00 00				Only VGA
	GET	BE EF	03	06 00	49 83	02 00	03 21	00 00	1D 00 XX : value			Only VGA
H-Position	INCREMENT	BE EF	03	06 00	97 82	04 00	01 21	00 00				Only VGA
	DECREMENT	BE EF	03	06 00	46 83	05 00	01 21	00 00				Only VGA
	GET	BE EF	03	06 00	F1 82	02 00	01 21	00 00	1D XX XX : value			Only VGA
V-Position	INCREMENT	BE EF	03	06 00	6B 83	04 00	00 21	00 00				Only VGA
	DECREMENT	BE EF	03	06 00	BA 82	05 00	00 21	00 00				Only VGA
	GET	BE EF	03	06 00	0D 83	02 00	00 21	00 00	1D 00 XX : value			Only VGA
Color Get Gain R	INCREMENT	BE EF	03	06 00	52 F4	04 00	B1 30	00 00				
	DECREMENT	BE EF	03	06 00	83 F5	05 00	B1 30	00 00				
	GET	BE EF	03	06 00	34 F4	02 00	B1 30	00 00	1D XX XX : value			
Color Get Gain G	INCREMENT	BE EF	03	06 00	16 F4	04 00	B2 30	00 00				
	DECREMENT	BE EF	03	06 00	C7 F5	05 00	B2 30	00 00				
	GET	BE EF	03	06 00	70 F4	02 00	B2 30	00 00	1D 00 XX : value			
Color Get Gain B	INCREMENT	BE EF	03	06 00	EA F5	04 00	B3 30	00 00				
	DECREMENT	BE EF	03	06 00	3B F4	05 00	B3 30	00 00				
	GET	BE EF	03	06 00	8C F5	02 00	B3 30	00 00	1D XX XX : value			

Specifications and Accessories

Audio

Built-in speakers (2 x 15W)

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

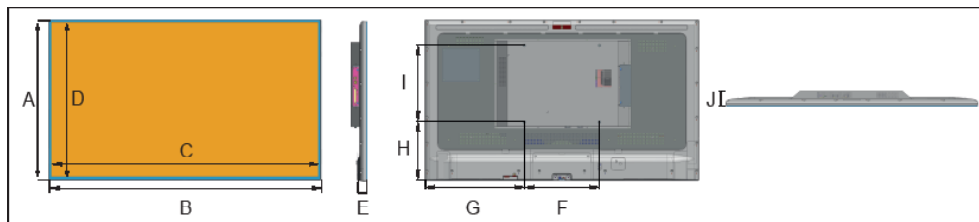
170-240V~50Hz, 1150mA

Panel Type		TFT 65" FHD ELED
Active area		1428.48 (H) x 803.52 (V)
Visual angle	Horizontal	+ / - 179°
	Vertical	+ / - 179°
Max. brightness		660cd/m2
Max. contrast		4000:1
Response time (G-G)		6.5 ms
Max. resolution		1920 * 1080
H - frequency		120 KHz ~ 139.2 KHz
V - frequency		94 Hz ~ 122 Hz

Weight Information

	TD-E 651
LCD display without stand	38,5 kg
Gross weigth (Including Acessories)	44,0 kg

Specification is subject to change without notice



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)
65"	838	1460	1428	804	50	400	530	307	400	89

Supplied Accessories

EU power Cable
 UK power cable
 Remote Controller
 Battery CR2025
 QSUG

Optional Accessories

OPS 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 a 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.

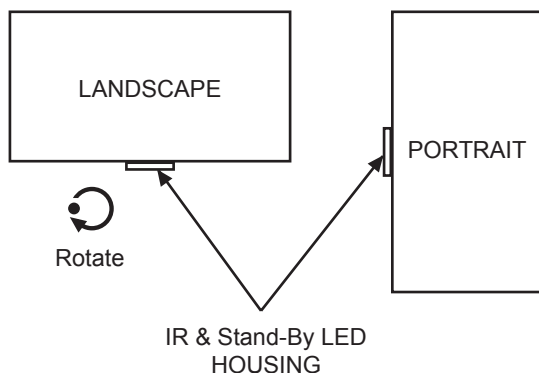
• Points to be taken into consideration while cleaning the product

Your system must be turned off while cleaning your product. Please use a soft dry 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 up to 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.

TOSHIBA 2015

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This equipment corresponds to requirements of the Technical Regulation on limitation of usage of certain dangerous substances in electrical and electronic equipment.