HITACHI
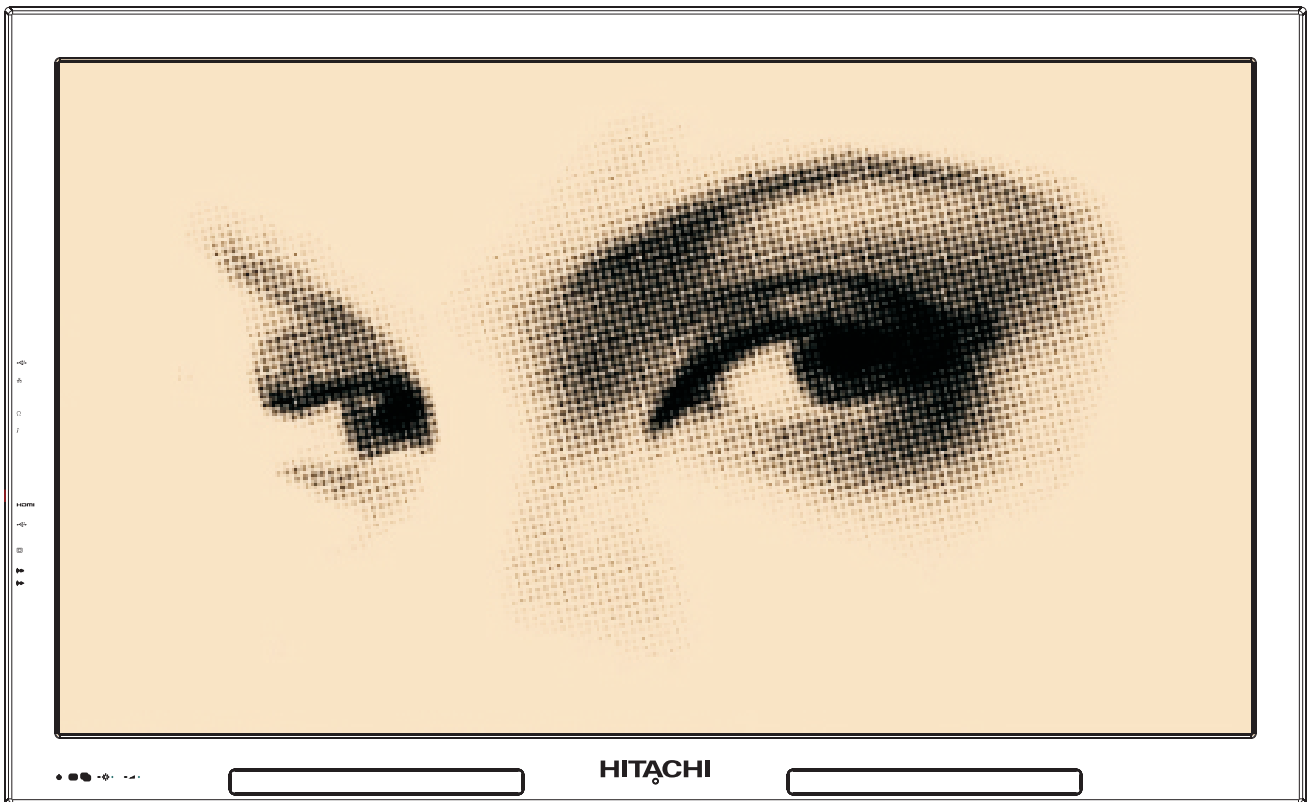## Inspire the Next

65'' INTERACTIVE MONITOR
HIT-FHD6514 Touch
HIT-FHD6516 Touch

Full HD
1920x1080

LED

Packing List

- 1x65" Interactive Monitor
- 1x65" Interactive Monitor Wall Mount
- Accessories Box

  - ➢ User Manual
  - ➢ 1xStylus
  - ➢ 1x1500mm HDMI Cable
  - ➢ 1xRemote Control
  - ➢ 1xDriver DVD
  - ➢ 1xBattery for Remote Control

Table of Contents

NOTE

Depending on the 's model you have bought, the appearance of your Interactive Monitor may not be the same as the one displayed in this manual.

CAUTION

Do not leave a static image displayed for prolonged period of time. If a static image is displayed continously for a long period of time, that image may cause image sticking on the display. This condition is not permanent, but may require a considerable amount of operational display time to dissipate, depeding upon the degree of image stick. 120 minutes of continuous motion display will eliminate most image
sticking effects at normal room temrerature (not lower than 10 C).

As the nature of the TFT tecnology, you may see some amount of bright, dark, red, green and blue dots and sparklings on the screen, those do not affect the performance of the computer and are not accepted as a defect.

Warning

This is a class A . In a domestic environment this may cause radio interference in which case the user may be required to take adequate measures.

System Features

Panel and Resolution
65" LED panel
•1920x1080 resolution

Touch Screen
65" touch screen with 4 points HIT-FHD6514 Touch and 6 points, HIT-FHD6516 multi-touch feature
IR Technology

Audio
High Definition Audio
Built-in speakers (4 x 5W)
External headphones output and external microphone input

Input / Output Ports
1 x B-Type USB 2.0 port (For using the touchscreen with external PC) (max. 500mA)
2 x HDMI port
1 x VGA port
1 x Audio input port
1 x Audio output port
1 x RS232 port

Remote Controller
User friendly remote controller

Power
220V~50Hz,1000mA

INTRODUCTION

This instruction manual is intended to help you to get the best out of " Interactive Monitor   "

Chapter 1 Introduction to your Interactive Monitor

Chapter 2 Using your Interactive Monitor. Instructions for using the and its functions.

Chapter 3 Power management.Information about power management.

Chapter 4 Addition of other devices to your Interactive Monitor.

Chapter 5 Using your Interactive Monitor more efficiently.

Chapter 6 Troubleshooting.

Signs used in this manual

Some words and phrases are written in a different format to get your attention.

Note: It is being used to put emphasis on useful information and critical points regarding

the .

Important!

Important instructions are to be read carefully in order to prevent any damage to yourself, stored

data and computer parts.

SAFETY PRECAUTIONS

Please read the following recommended safety precautions carefully for your safety.

Power

In order to disconnect your Interactive Monitor from all power supplies, unplug its AC cable from the
power source.

• Always use the earthed AC cable provided.

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 damage that may

occur as a result of ungrounded usage.

Warning!

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

Cleaning

⚠️ **Important!**

Disconnect your   from the power supply before cleaning it.

Do not clean your Interactive Monitor while it is switched on. Use a soft and damp cloth

to clean the surface of . Do not use chemical cleaners to clean the screen. Do not apply

cleanser directly on your computer.

Vent holes of your

Vent holes on the cabin of your Interactive Monitor ensures stable performance of

your computer without overheating. Do not block these openings in anyway.

⚠️ **Important!**

• Do not put any objects in the vent holes of your . This may cause fire or short circuit of the

inner parts of your .

Temperature & Fire

Do not expose your Interactive Monitor   close to fire or high heat sources"

Lightning

Before lightning or storms, disconnect your Interactive Monitor from the mains.

Servicing
Please refer all servicing to qualified personnel. Do not remove the cover yourself as this may result in an electric shock.

Do not jolt your Interactive Monitor

Ensure that it stays in a balanced stance on its position.

Do not throw or drop any object on your Interactive Monitor .

Do not keep your Interactive Monitor in a humid environment.

Do not keep your Interactive Monitor   in an extremely cold environment.

Do not keep your Interactive Monitor in an extremely hot environment.

CHAPTER 1:

INTRODUCTION TO INTERACTİVE MONİTOR

Congratulations for buying our Interactive Monitor 65".

We believe that you will be extremely satisfied with this product and hope that you will have pleasant

and productive times with your Interactive Monitor .

Your Interactive Monitor provides a modern design that is compatible with most working conditions by combining a 65" TFT-LCD monitor, touch screen and a desktop computer.

Since all essential components that compose your Interactive Monitor are all together, it is easy
to use and user-friendly. In addition to being compact, it also supports many functional features. Some
of these are; RS232 connection compatible and high quality speakers.

Note: Information here is only for reference purposes, the Interactive Monitor you
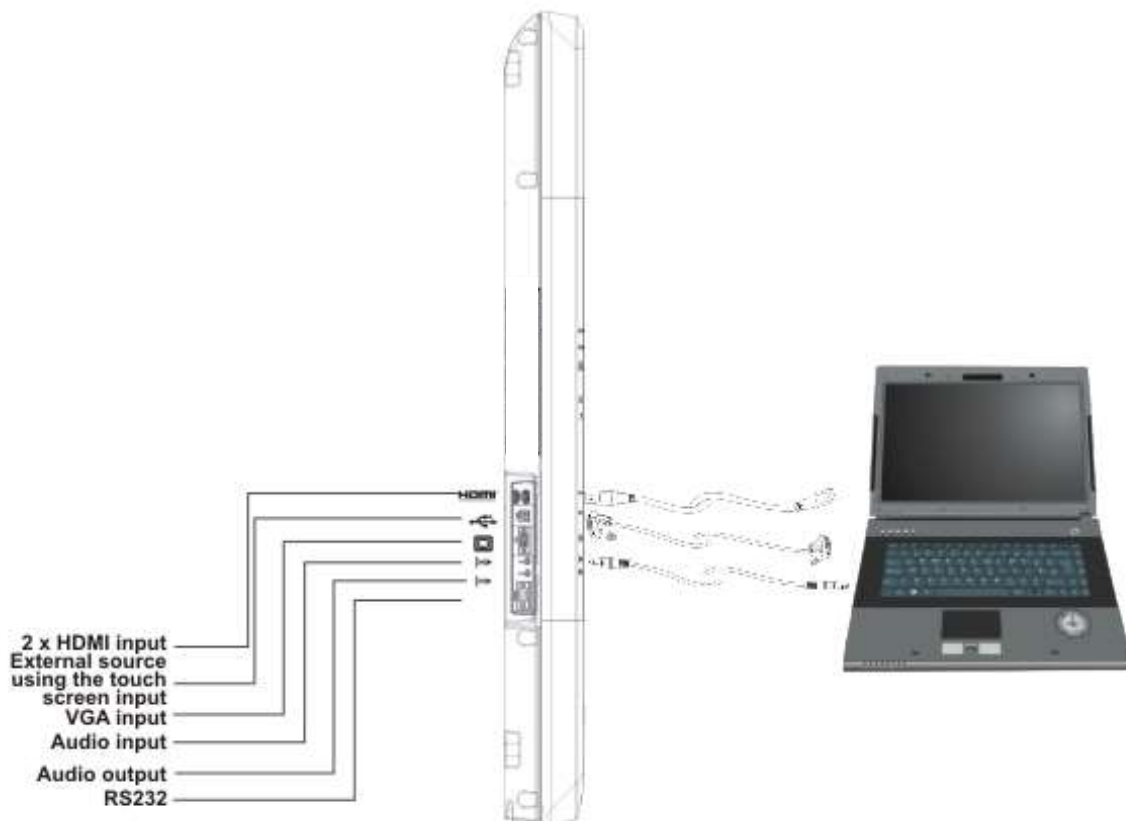have bought may have some differences from the definitions and images in this manual.

Front view

CHAPTER 2:

USING AND ITS FUNCTIONS.

Panel

Panel type		TFT LCD
Active area		1428.48 (H) x 803.52 (V)
Visual angle	Horizontal	178°
	Vertical	178°
Max. brightness		360 cd/m2
Max. contrast		4000:1
Response time		5 ms G2G
Max. resolution		1920 * 1080
H - frequency		60 KHz ~ 73 KHz
V - frequency		47Hz ~ 63Hz (typical: 60Hz)

Usage of Touch Screen with External PC

2 x HDMI input
External source using the touch screen input
VGA input
Audio input
Audio output
RS232

If you want to use touch screen when you connect an external PC to your Interactive Monitor via VGA or HDMI inputs, you should connect the external PC to your Interactive Monitor with a USB-USB cable as shown above. Touch screen will be activated soon.

RS232 Command Table

| Function Name	Function Type	Command Data (HEX)							Additional Information		
OPS POWER	OFF	BE EF	03	06 00	2A D3	01 00	00 60	00 00			
	ON	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 01: ON	
Source	OPS	BE EF	03	06 00	FE D2	01 00	00 20	00 00			
	HDMI1	BE EF	03	06 00	0E D2	01 00	00 20	03 00			
	HDMI2	BE EF	03	06 00	0E D2	01 00	00 20	03 01			
	VGA	BE EF	03	06 00	6E D2	01 00	00 20	01 00			
	GET	BE EF	03	06 00	CD D2	02 00	00 20	00 00	1D 00 01: PC	1D 00 02: HDMI 1 // 1D 00 03: HDMI 2	1D 00 04: VGA
Brightness	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			
	SET	BE EF	03	06 00	89 D2	03 00	03 20	01 XX	Default Value: 0x5D	Range: 0x5D - 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 - 0xD0	
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 L	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			
	GET	BE EF	03	06 00	44 97	02 00	16 24	00 00	1D 00 00: OFF	1D 00 01: ON	
OSD Menü	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	Default Value: 0x9E	Range: 0xB2 - 0x4E	
	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			
Monitor	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			
	GET	BE EF	03	06 00	19 D8	03 00	00 60	07 00	1D 00 00: OFF	1D 00 01: ON	
Mute	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			
	GET	BE EF	03	06 00	75 D3	02 00	02 20	00 00	1D 00 00: OFF	1D 00 01: ON	
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	C8 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, 01=6500K, 02=5000K, 03=7500K, 04=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
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 Temp 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 00 XX: Value		
Color Temp 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 Temp Gain B	INCREMENT	BE EF	03	06 00	EA F5	04 00	B3 30	00 00			
	DECREMENT	BE EF	03	06 00	38 F4	05 00	B3 30	00 00			
	GET	BE EF	03	06 00	8C F5	02 00	B3 30	00 00	1D 00 XX: Value		
Screen Freeze	ON/OFF	BE EF	03	06 00	19 D3	02 00	00 60	03 00			
Auto Position	EXECUTE	BE EF	03	06 00	91 D0	06 00	0A20	00 00			

⚠️ **Important!**

Install the sound drivers included in your system before using the sound function of your " INTERACTİVE MONİTOR " In case of any sound distortions during recording, please decrease microphone volume.

The methods of playing and recording sound depend on the operating system in use. Please refer to the instructions in your operating system's support points for these methods.

Function Buttons and Remote Controller:
There are 7 function buttons on " INTERACTİVE MONİTOR " . These buttons are shown below and remote controller is shown on the next page;

System ON/OFF	Source select	Touch screen ON/OFF	Brightness up-down	Volume up-down
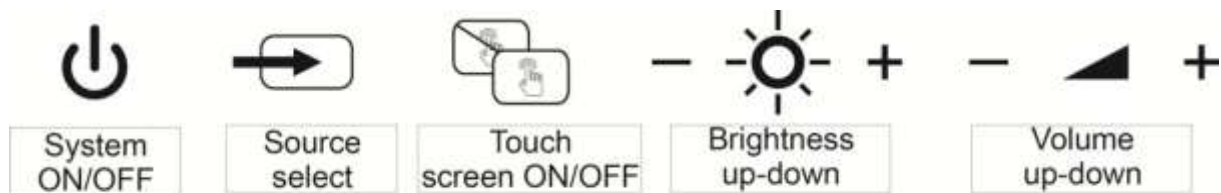
⚠️ **Important!**
Please hold down the touch screen on/off button for 4 seconds to enable or disable the function of keypad on the front.
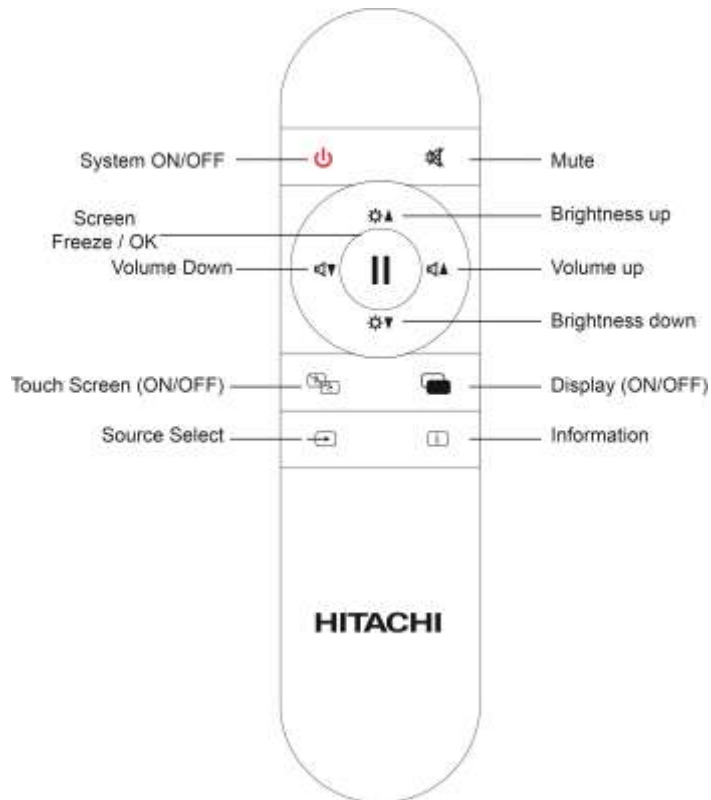
Source Switching Description

Source Switching with Keypad Description

Press source "➡️" key to access TV menu with keypad. A menu as shown below is displayed. We can select the desired mode by moving up or down with the brightness or volume keys on keypad. Wait for 5 seconds for switching automatically.

| System ON/OFF | Source select | Touch screen ON/OFF | Brightness up-down | Volume up-down |

OPS

HDMI 1

HDMI 2

VGA
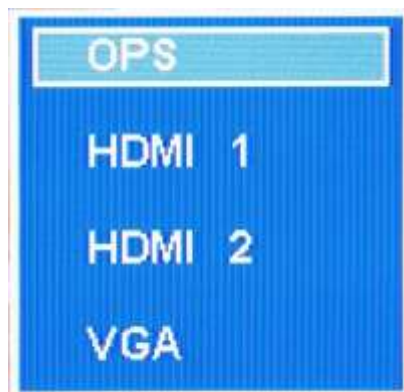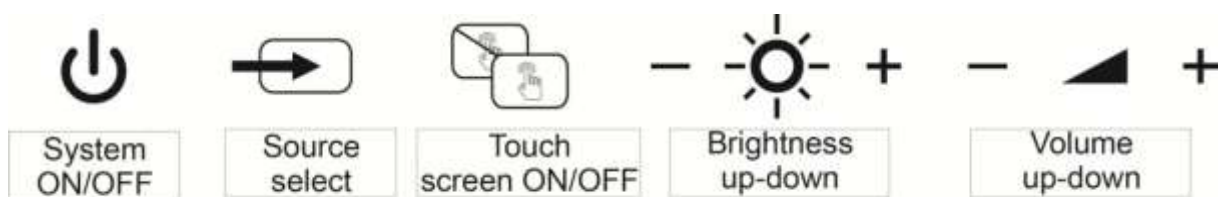
Source Switching with remote control Description

You can access TV menu with the source key on the remote. You can switch to the selected source directly by pressing "OK" on the highlighted mode or wait for 5 seconds for switching automatically
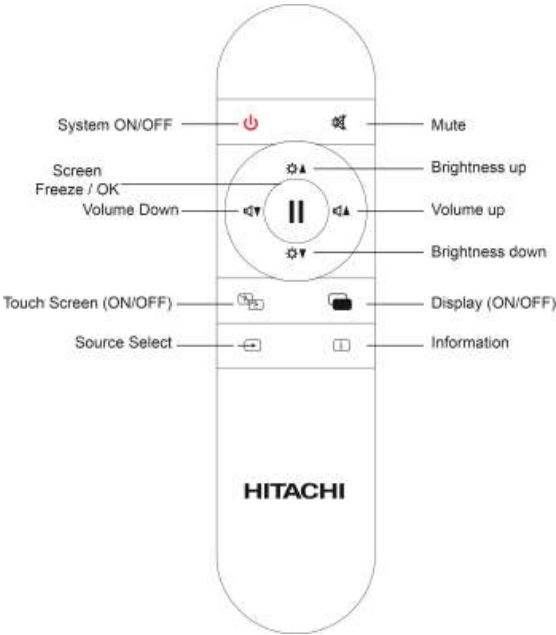
A warning message as shown below is displayed when no signal is available on the selected source.

BATTERY SAFETY GUIDELINES

Used correctly, domestic batteries are a safe and dependable source of portable power. Problems can occur if they are misused or abused — resulting in leakage or, in extreme cases, fire or explosion.

Here are some simple guidelines to safe battery use designed to eliminate any such problems.

Take care to fit your batteries correctly, observing the *plus* and *minus* marks on the battery and appliance. Incorrect fitting can cause leakage or, in extreme cases, fire or even an explosion.
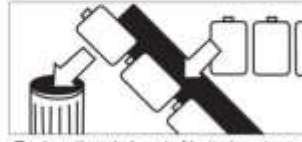
Replace the whole set of batteries at one time, taking care not to mix old and new batteries or batteries of different types, since this can result in leakage or, in extreme cases, fire or even an explosion.

Store unused batteries in their packaging and away from metal objects which may cause a short-circuit resulting in leakage or, in extreme cases, fire or even an explosion.

Remove dead batteries from equipment and all batteries from equipment you know you are not going to use for a long time. Otherwise the batteries may leak and cause damage.

Never dispose of batteries in fire as this can cause them to explode. Please recycle dead batteries; do not put with the normal household waste.

Never attempt to recharge ordinary batteries, either in a charger or by applying heat to them. They may leak, cause fire or even explode. There are special rechargeable batteries which are clearly marked as such.

Supervise children if they are replacing batteries themselves in order to ensure these guidelines are followed.

Remember that small button cell batteries such as used in some hearing aids, toys, games and other appliances, are easily swallowed by young children and this can be dangerous.

Keep loose button cells away from young children.

Make sure battery compartments are secure.

Seek medical advice if you believe a cell has been swallowed.

Note: Any issues which are caused by customer mis-adjustment of any software including the operating system are not covered by the warranty.

4.1.1. Installation instructions
The Interactive monitor is supplied with DVD which contains drivers and the Touch Service calibration application.

Please load the contents of the DVD on your external PC to install the drivers and Touch Service. Follow the DVD,s instructions displayed on the screen.

4.1.2. Installation steps
(1) Double-click the installation file of "setup.exe"

(2) To exit the installation, please click "Cancel"; to continue, click "Next", directly go to step (3);
(3) Start the installation by clicking "Install". When completed, click "Finish" and exit. Check "TouchService.exe" in the finishing interface to allow service program to run automatically after the installation is finished. Otherwise, it won't start automatically.
(4) When the installations finished, a shortcut is available on the desktop as shown below;

CALIBRATING THE TOUCH SCREEN

Function Description

1) The coordinates of the touch panel and display screen should be accurately matched by calibration.
2) When will calibration be needed?
        a) The first time you have installed touch panel bundled software.
        b) Inconsistency occurred between the mouse and your finger action.
        c) After changing the touch panel or monitor.
        d) Having moved the touch panel or there is a change in monitor resolution.

Operating steps

    1) Click "Calibration" on Touch Service main interface
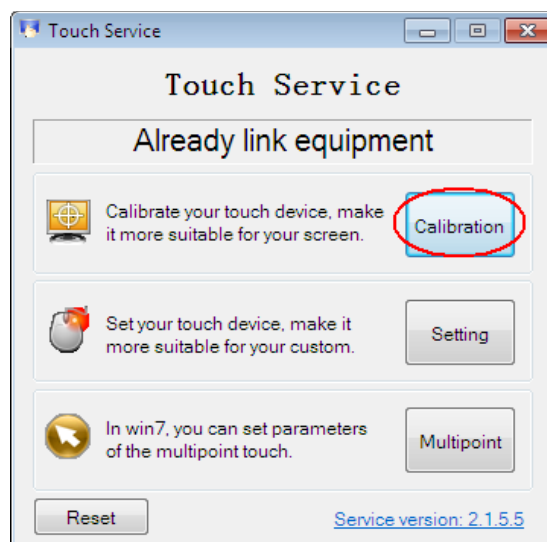
2) Touch the center of the calibration points shown on the screen one by one with your finger in order below (Figure 4-6). In total, there are four calibration points. (Upper left corner→ upper right corner → lower right corner → lower left corner).

        a) The number in the center is the countdown. When it comes to zero, you will automatically exit the calibration without saving the result.
        b) Also, you can press ESC to exit the calibration process without saving the result.

Touch the
centre of the
calibration point.

3) Having touched the four calibration points, a dialogue box will pop up. Click "Yes" to save the calibration data and "No" not to. If you don't click yes or no within 10s, you will automatically exit the calibration process without saving the data.

Touch Calibration

Calibration error is too large.We recommend calibrate it again.
Do you want to save the Calibration results?

Yes   No = 4
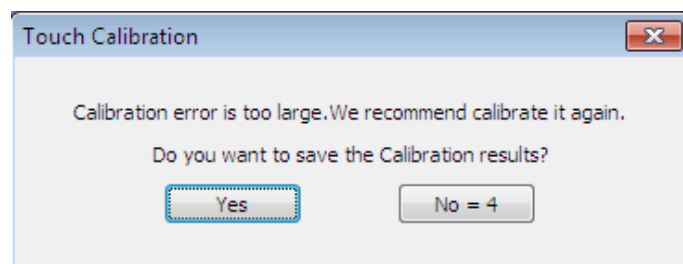
Using External Sources with INTERACTİVE MONİTOR

• Plug the cable of the external source (HDMI1 – HDMI2 – VGA)
• Plug the USB cable which transfer the data of the touch screen to external sources
Important: Please connect the line in cable while using the VGA source for transfering the audio data
• Please use your external source's display settings and select INTERACTİVE MONİTOR as a monitoring device
• Plugging AC cable of   Interactive Monitor is enough for using your external sources.

For switching to external sources you should press source select button "

Be sure that which source (HDMI1- HDMI2 - VGA) is active.

POWER SPECIFICATIONS

Mode	Power Indicator	Power Consumption
On	Off	Max. 220w
Stand by / Suspansion	Red	<3W
Off	Blinking	<3W

CHAPTER 3:

USING YOUR INTERACTİVE MONİTOR MORE EFFECTIVELY

Paying attention to the following points with respect to your Interactive Monitor will provide a stable performance and also prolong its life. Following titles are covered under this section:

• Ensuring security of your Interactive Monitor
• Daily care of your

Daily Care

• Environmental Factors

Ambient temperature must be between 10°C - 35°C while your Interactive Monitor is running. Do not directly expose your Interactive Monitor to humidity, high temperature, fire, direct sun light and dust while using it. The vent holes of your Interactive Monitor will allow it perform safer without system overheating. Do not cover these holes or do not prevent air flow with an object. Position your Interactive Monitor at least 15 cm away from strong magnetic field generating electrical devices such as TV, refrigerator or large speakers. Do not suddenly take your   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   on an uneven surface.

• General points

Do not put heavy objects on your Interactive Monitor. The screen is extremely sensitive and may be damaged.

Never use hard cleaning materials on your screen. Do not touch it with your fingertips or objects like a pencil.

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

Your system must be turned off while cleaning your Interactive Monitor. 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 monitör.

CHAPTER 4:

TROUBLESHOOTING

Some troubleshooting issues are mentioned in this chapter under the following titles:

• Points to be checked first

• Frequently asked questions

• Restarting your system

Points to be checked first

When a problem occurs, it is very important to diagnose this problem correctly. Try to find out what it is. Determine what causes the problem and under which category it falls. Write down the error codes and messages displayed on the screen, if possible. Contact technical support to get support.

FREQUENTLY ASKED QUESTIONS

Sound Issues

Check the following:
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   is not in Hibernate mode. Check cable connections in case you use an external speaker.

Symptom: External microphone and auditory devices are not working

Check the following:
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.

Issues about turning on the system
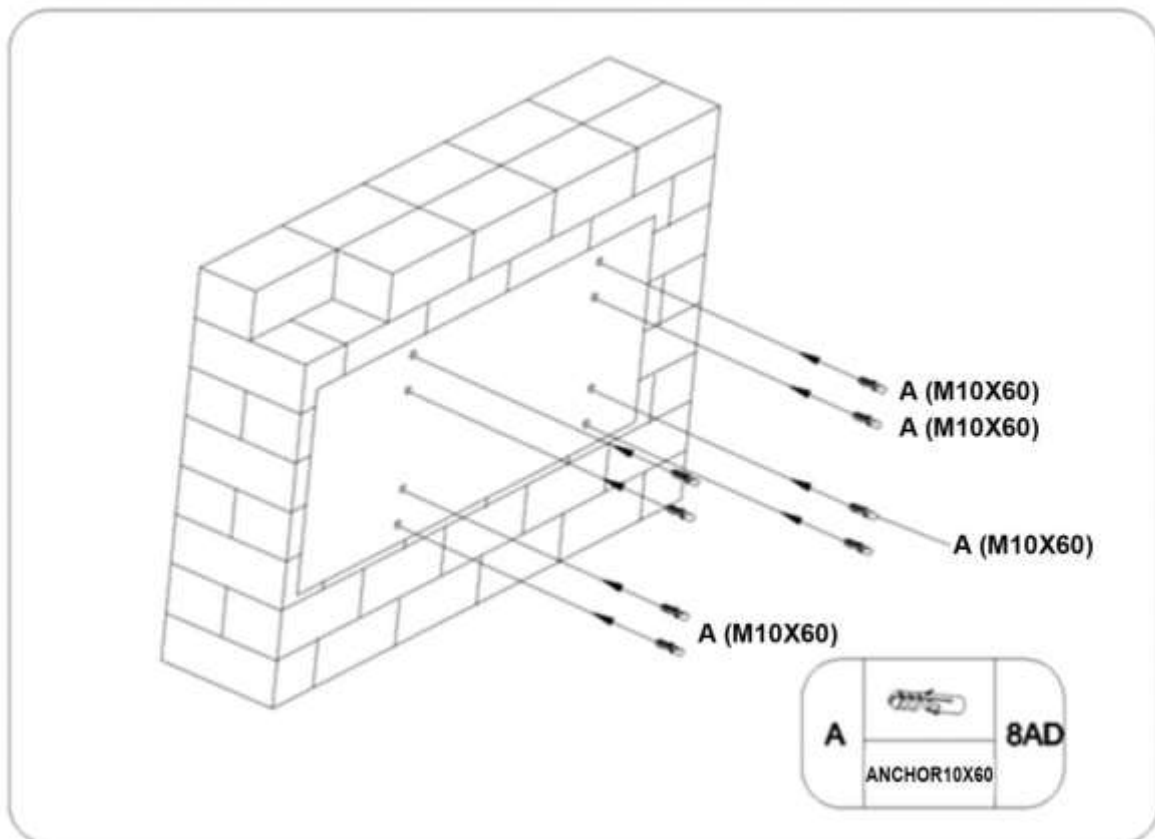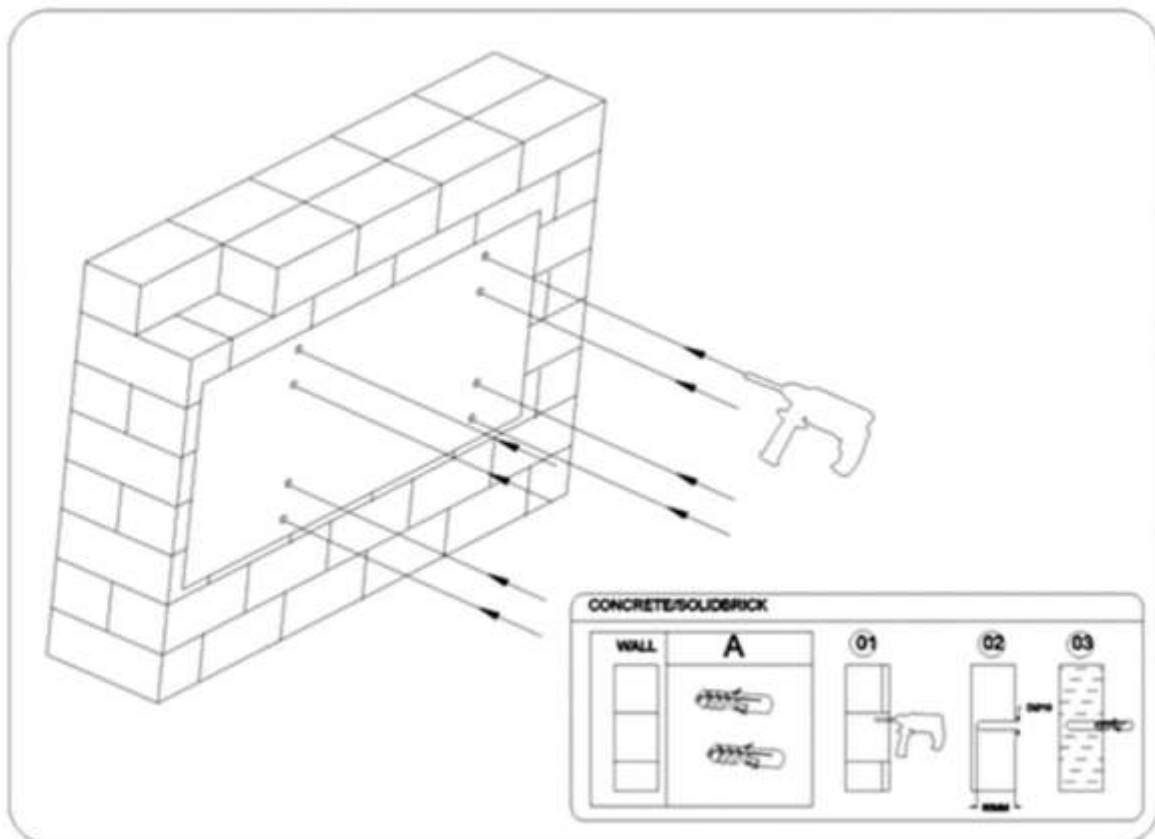
Symptom: System does not start, led is not on.

To be checked:
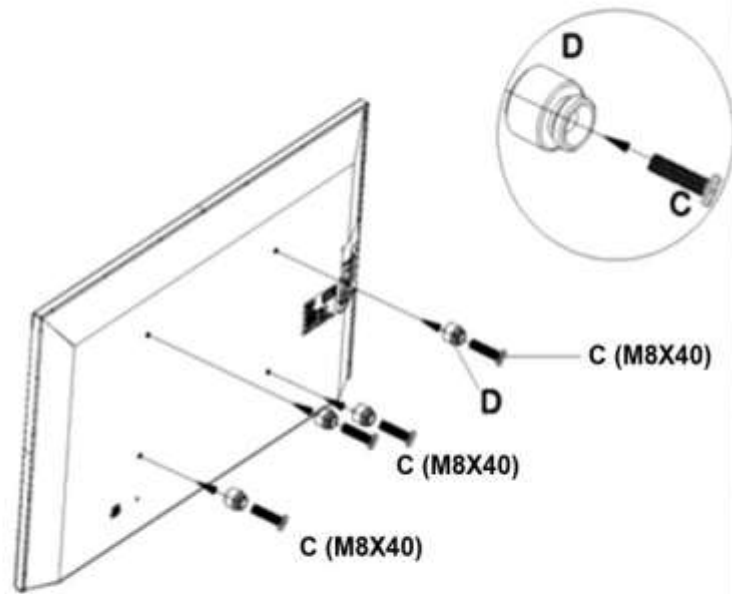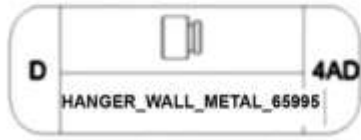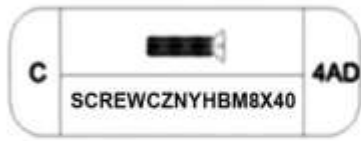Be sure that AC cable is connected firmly.

Symptom2: System doesn't work but background light is on.

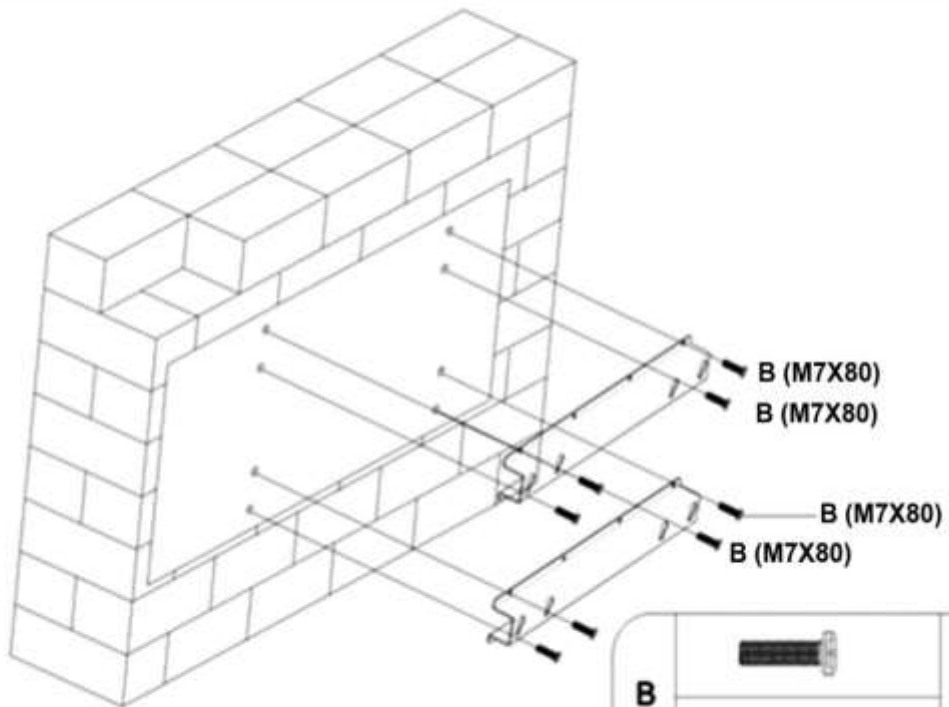**To be checked:** Be sure that which source (HDMI1- HDMI2 - VGA) is active.

CHAPTER 5:
ASSEMBLY INSTRUCTION FOR INTERACTIVE MONITOR WALL MOUNT

ASSEMBLYTV

| C | SCREWCZNYHBM8X40 | 4AD |

| D | HANGER_WALL_METAL_65995 | 4AD |

D

C

C (M8X40)

D

C (M8X40)

C (M8X40)

ASSEMBLYWALL

B (M7X80)

B (M7X80)

B (M7X80)

B (M7X80)

| B | SCREWCZNAKB7X80 | 8AD |

HITACHI
Inspire the Next

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