

MB151AT

15.1" Active Matrix LCD (TFT)

User Guide

With **Mbest**
let's play the
LCD & TV monitor



Before using this equipment, the user should read and follow "User Guide".
It contains the "Product Warranty" for this equipment.
If you need A/S, contact the sales agent immediately

Mbest

INFORMATION TO THE USER (Part 15.105(b))

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INFORMATION TO THE USER

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

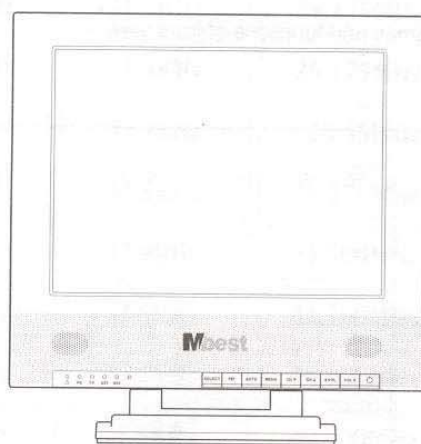
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING (Part 15.21)

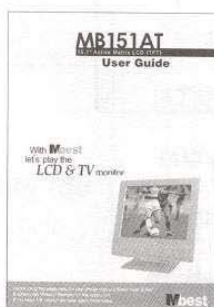
The manufacturer is not responsible for any Radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment."

Components

- After you unpack your LCD monitor, make sure that the following items are included in the box and in good condition. If there is anything not included, contact the sales agent immediately.



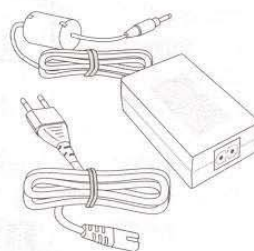
LCD Monitor



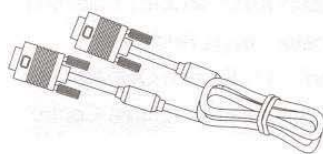
User Guide



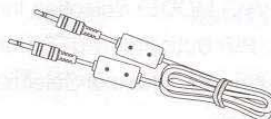
Remote Controller



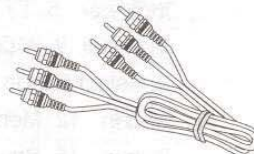
Adapter



D-SUB Signal Cable



Audio Cable



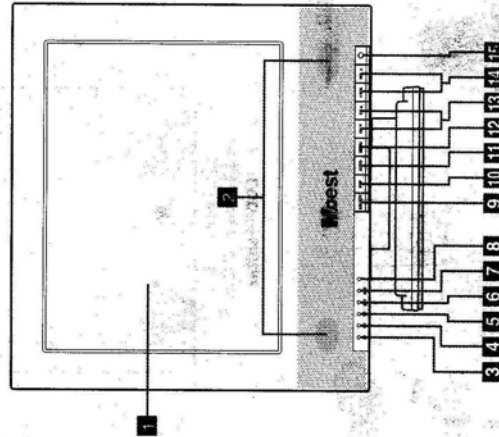
RCA Cable (Option)

Monitor Configuration

■ Exterior buttons and various connections of LCD monitor are described below. Please refer to the figure and the description of each part below, for each function.

1. Front view

The followings are names and functions of front view.



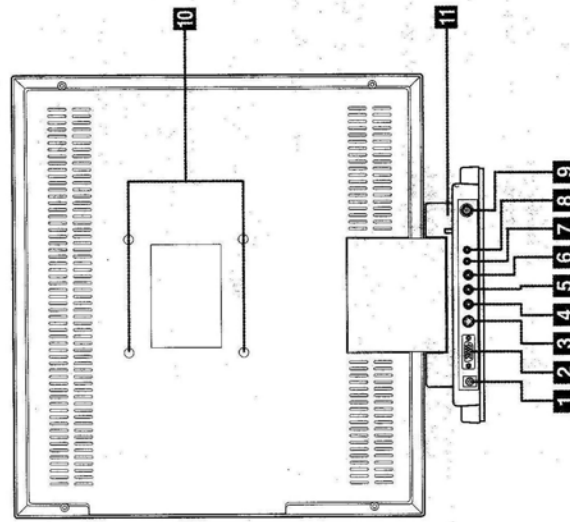
1. LCD Panel
2. Built-in speaker
3. Power Indicator
4. PC Selection Indicator
5. TV Selection Indicator
6. AV1 (COMPOSITE MODE) Selection Indicator
7. AV2 (S-VHS MODE) Selection Indicator
8. IR Receptor
9. Select Button
10. PIP Button (or MUTE Button)
11. Screen Optimization Button
12. Menu Button
13. Channel Selection Button
14. Volume Control Button
15. Power Button

1. **LCD Panel**
This is 15.1" TFT LCD screen, and supports 1024 x 766 mode 1,670 colors.
2. **Built-in Speaker**
As a stereotype speaker of 2W x 2 outputs at the maximum, it is connected to sound card terminal in PC.
3. **Power Indicator**
4. **PC Selection Indicator**
This is the button for selecting PC mode.
5. **TV Selection Indicator**
This is the button for selecting TV mode.
6. **AV1 (composite mode) Selection Indicator**
This is the button for selecting AV1 mode.
7. **AV2 (S-VHS mode) Selection Indicator**
This is the button for selecting AV2 mode.
8. **Remote control sensor**
9. **Select Button**
This is the button for selecting PC / TV / VIDEO 1 / VIDEO 2 mode.
10. **PIP Button (or MUTE Button)**
This button activates another small window on the screen. PIP function enables you to work at PC and watch TV or Video at the same time to increase the user's convenience.
11. **Optimal Screen (Auto) Button**
This is the button for optimizing the screen automatically.
12. **Menu Button**
This is the button for displaying OSD control screen on the monitor.
13. **Channel Select Button**
This is the button for selecting TV channel.
14. **Volume Control Button**
This is the button for controlling volume.
15. **Power Button**
This is the button for turning on/off the monitor.

Monitor Configuration

2. Rear view

The followings are names and functions of monitor rear view.



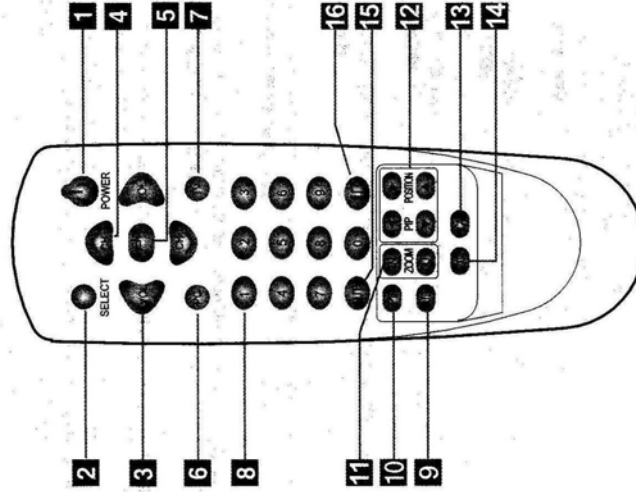
1. Power Input Terminal
2. D-SUB Terminal
3. S-VHS Input Terminal
4. External Image Input Terminal
5. External Sound Input Terminal (Left)
6. External Sound Input Terminal (Right)
7. Audio Input Terminal
8. Audio Output Terminal
9. Antenna Input Terminal
10. Wall Mounting VESA Hole
11. Stopper

- 1. Power Input Terminal**
This terminal is used to connect the power source. Put the plug into 220V.
- 2. D-SUB Terminal**
This terminal is used to connect PC and D-SUB connector of the monitor by D-SUB signal cable.
- 3. S-VHS Input Terminal**
This terminal is connected to S-VHS output terminal of external device by S-VHS cable.
- 4. External Image Input Terminal**
This terminal is connected to the video output terminal of external device by RCA cable.
- 5. External Sound Input Terminal (Left)**
This terminal is connected to the voice output terminal of external device by RCA cable.
- 6. External Sound Input Terminal (Right)**
This terminal is connected to the voice output terminal of external device by RCA cable.
- 7. Audio Input Terminal**
This terminal is connected to the speaker terminal of PC sound card by audio cable.
- 8. Audio Output Terminal**
This terminal is connected to the external speaker by audio cable.
- 9. Antenna Input Terminal**
This terminal is used to connect the antenna.
- 10. Wall Mounting VESA hole**
Use this hole to use the monitor by hanging it on the wall.
(Hanging facilities can be purchased separately.)
- 11. Stopper**
If you want to need wall mounting punction, press on stopper and push out your monitor front.

Monitor Configuration

3. Remote controller

The buttons of the remote controller and their functions are described below.



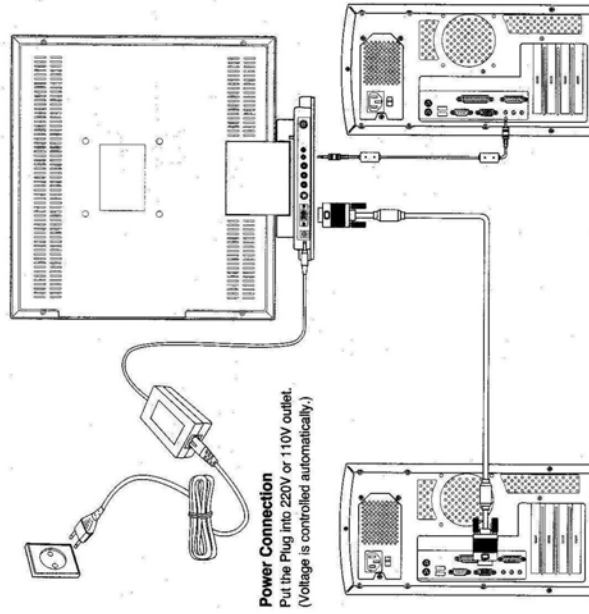
1. Power Button 2. Select Button 3. Volume Control Button 4. Channel Select Button 5. Menu Button 6. PC Select Button 7. TV Select Button 8. Direct Channel Select Button 9. Mute Button 10. PIP Button(option) 11. Zoom In Out Button(option) 12. PIP Position Button(option) 13. Scan Button 14. Exit Button 15. Auto Button 16. Pause Button

- 1. Power Button** 
This is the button for turning on/off the monitor.
- 2. Select Button**
This is the button for selecting PC/TV/VIDEO1/VIDEO2.
- 3. Volume Control Button**
This is the button for controlling volume.
- 4. Channel Select Button**
This is the button for shifting channel to the memorized one.
- 5. Menu Button**
This is the button for displaying the screen control menu.
- 6. PC Select Button**
This is the button for selecting PC function.
- 7. TV Select Button**
This is the button for selecting TV function.
- 8. Direct Channel Select Button**
This is the button for selecting channel directly by using numbers.
- 9. Mute Button**
This is the button for muting the speaker regardless of volume control.
- 10. PIP Button(option)**
This is the button for displaying TV or video screen on PC. You can turn it off or control its size by using VOL button.
- 11. Zoom In Out Button(option)**
This is the button for closing up/down.
- 12. PIP Position Button(option)**
This is the button for controlling PIP screen position.
- 13. Scan Button**
This is the button for searching channels automatically. (Auto channel search)
- 14. Exit Button**
This is the button for exiting from the menu.
- 15. Auto Button**
During installing the monitor or using it, you can control the screen status to the optimal state by using this button.
- 16. Pause Button** 
This is the button for holding TV screen.

Connecting Monitor

- This is the method of connecting the monitor to peripheral devices.
- ※ Note: Turn off the monitor before connecting the monitor to computer and other devices.

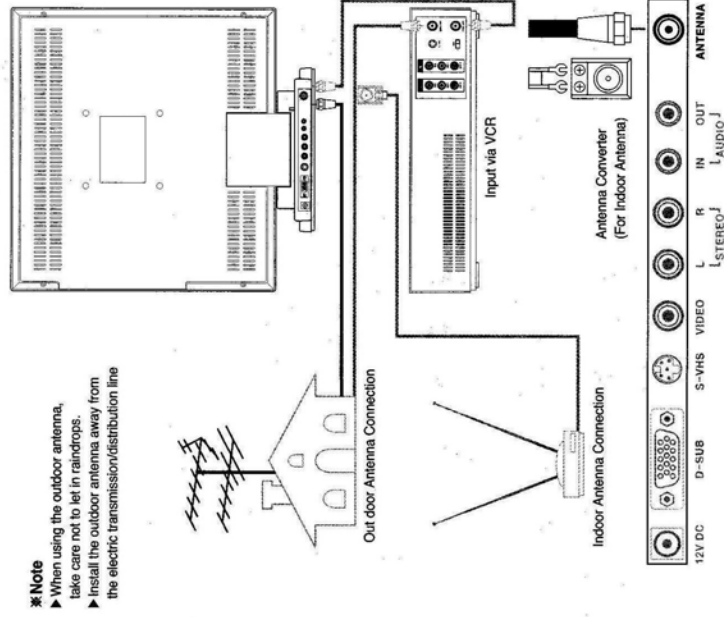
1. Connecting monitor to computer (Basic connection)



Connecting Monitor

2. Connecting monitor with antenna (For watching TV)

Connect antenna input terminal of the monitor to the connecting cable of antenna or cable TV.



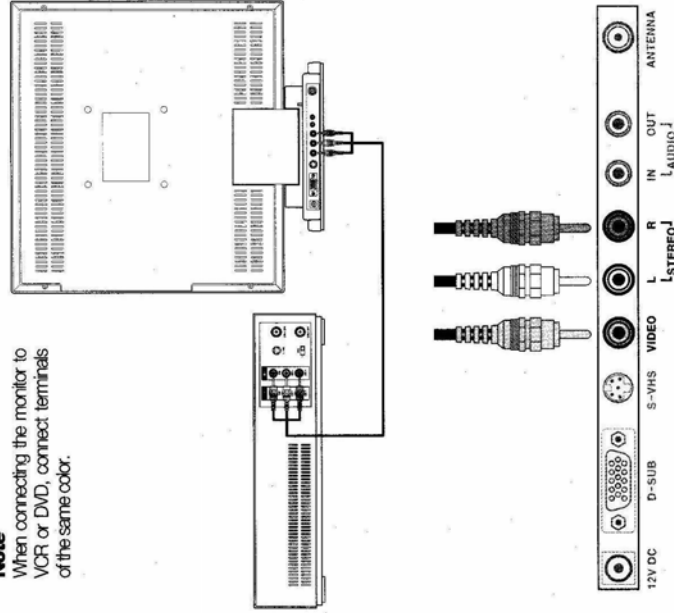
Connecting Monitor

3. Connecting monitor with VCR

Connect the external Image and Sound input terminal of the monitor to Image and Sound input terminal of VCR.

Note

When connecting the monitor to VCR or DVD, connect terminals of the same color.



Descriptions for function buttons

- MB181ATP LCD monitor front is configured with the following function buttons, and their functions are described below.

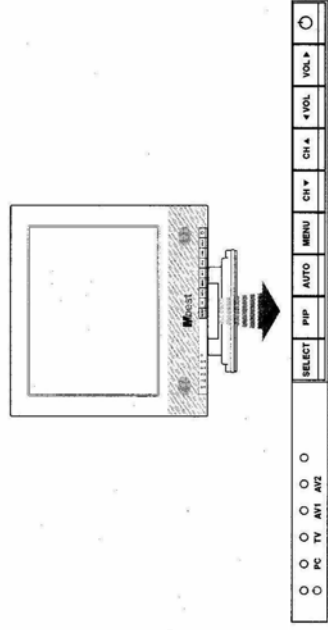


Figure 1. Front View of Monitor Panel

Description For LED

In accordance with the selection of function within 'POWER' 'PC' 'TV' 'AV1' 'AV2' 'Remocon Sensor' the light green indicator turn on choosing mode.

SELECT Button

This is the button for selecting PC/TV/VIDEO 1(COMPOSITE MODE)/VIDEO 2(S-VHS MODE) mode.

Descriptions for function buttons and LED

- **AUTO**

This is the button for automatically resetting the screen to the best state.



Analog RGB
Searching

Figure 2. 'AUTO' Control Screen

If you press 'AUTO' button one, the sub screen will appear on the right lower part of the screen as shown in Figure 2 and this screen is automatically reset to the best state.

- **MENU Button**

This is the button for displaying screen control menu.

- **▼ CH ▲ Button**

When watching TV, this button shifts channel to one higher or lower channel. In addition, on control menu, this button selects higher or lower item.

- **◀ VOL ▶ Button**



Figure 3-1. Volume Control Screen



Figure 3-2. Volume Control Screen

This is the button for tuning up or down the volume. (Volume control screen, shown in Figure 3-2, is displayed.) In addition, this button also enables you to adjust the value of options while the adjustment menu is displayed.

- **Power Button**

This is the button for turning on/off the monitor. When power is on, the light green indicator is around the button.

- **Descriptions for power LED**

When power is on, the light green indicator is around the button. If VGA-cable is pulled out or SUSPEND-MODE is working, the light green indicator will flicker at certain interval.

Basic working method and examples of function button

1. How to display 'OSD Menu Screen' at the monitor screen?
On any mode of PC/TV/VIDEO 1/VIDEO 2, pressing 'MENU' button to bring up the initial menu for the selected mode on the top of monitor screen.
2. How to clear 'OSD Menu Screen' from the monitor screen?
On 'OSD menu screen', after certain time passes by not pressing any button, it is disappeared.
3. How to move to the desired item on 'OSD Menu Screen'?
When you press the 'CH▲' button or 'CH▼' button while the basic menu is displayed on the screen, you can see that it moves to the 'Adjustment Group' of basic menu and the sub-menu of Adjustment Group will appear.
Move to the Adjustment Group you want to adjust and press the 'Menu' button again to display the bar graph in the sub-menu where you can change the value.
In this state, press '▼CH▲' button to move to the item you want in sub-menu.
4. How to adjust the volume?
As described in Number3, if the desired sub-menu is selected, you can change number to the desired value by pressing '◀VOL▶' button.
5. Examples shown in figure
To help your comprehension, let's change the number of 'Language' on sub-menu from 'Utilities' control item when using it as PC monitor.

- 1) First, press 'MENU' button from PC screen and the basic menu, shown in 'Figure4' and 'Figure5', is displayed.



Figure 4. Basic menu screen when using PC monitor



Figure 5. Status that control menu is selected from 'Utilities' item

- 2) On 'Figure4' screen, press '▼CH▲' till the control bar reaches 'Utilities' control item and then, press 'menu' button or '◀VOL▶' button to select sub-menu, as shown in 'Figure5'

- 3) On 'Figure5' screen, if 'Utilities' control item is selected through '▼CH▲', you can change the language by using '◀VOL▶'.



Figure 6. Status that control menu is selected from 'Utilities' item.

Descriptions for function buttons and LED

● AUTO

This is the button for automatically resetting the screen to the best state.



Figure 2. 'AUTO' Control Screen

If you press 'AUTO' button one, the sub screen will appear on the right lower part of the screen as shown in Figure 2 and this screen is automatically reset to the best state.

● MENU Button

This is the button for displaying screen control menu.

● ▼ CH ▲ Button

When watching TV, this button shifts channel to one higher or lower channel. In addition, on control menu, this button selects higher or lower item.

■ Basic menu screen on each mode.



Figure 7. Basic menu screen when using PC monitor



Figure 8. Basic menu screen when using TV



Figure 9. Basic menu screen when using VIDEO 1 (COMPOSITE-MOTE)



Figure 10. Basic menu screen when using VIDEO 2 (S-VHS)

Product Specification

Description	MB151AT
DISPLAY TYPE	ACTIVE MATRIX LCD (TFT)
DIAGONAL SIZE	38.4 cm
VIEWABLE SIZE	15.1"
VIEWING ANGLE	150°(H) / 115°(V)
TILT ANGLE	5° (FRONT)/20° (BACK) Wall mounting 90°
WALL MOUNTING	YES
BRIGHTNESS	250 cd/m ²
RESOLUTION	1024 x 768 (XGA)
DISPLAY COLOR	16.7M color
PIXEL FORMAT	RGB STRIPE ARRANGEMENT
PIXEL PITCH	0.3mm(H) x 0.3mm(V)
INTERFACE	ANALOG
VIDEO INPUT	ANALOG R.G.B. 0.7Vp-p
CONTRAST RATIO	300 : 1
AC/DC ADAPTOR	AC 100 - 240V, 60/50Hz, DC12V/3.3A
SPEAKERS	2W x 2 STEREO
PLUG & PLAY LEVEL	VESA DDC 1/2B
I/O CONNECTOR	DC POWER IN
	VGA 15PIN D-SUB
	AUDIO IN & OUT
	S-VHS, COMPOSITE
	ANTENNA, CATV
OPTION	USB PORT
	DVI I PORT
SYSTEM TYPE	PC COMPATIBLE
POWER REQUIREMENTS	DC 12V, 3.3A
POWER MANAGEMENT	VESA DPMS STANDARD
POWER CONSUMPTION	30W
RESPONSE TIME	25ms
SCANNING FREQUENCY	31.5 - 60 Kz(HORIZONTAL) , 60-75Hz(VERTICAL)
VIDEO / T.V. : VIDEO SIGNAL	COMPOSITE, S-VHS
: T.V. SIGNAL	NTSC/ PAL / SECAM
WEIGHT(NET)	4.3kg
DIMENSIONS	388mm(W) x 165mm(L) x 356 mm(H)