

WELDEX CORPORATION

Original Equipment Manufacturer of CCD Cameras, DVR's & LCD Monitors

10.4" Monitor Open Frame

WDL-1040MFM



Owner's Instructions

Please read carefully before using and keep in a safe place.
Design and specifications are subject to change without notice.

V.01J

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Before operating the set, please read this manual carefully

Precautions

Do not remove the cover.

To reduce the risk of electric shock and maintain the quality of the product, please do not remove the cover.

Please follow the instructions of the wiring diagram in the Installation Guide.

Keep small articles out of the reach of children.

Store small articles (screws, etc.) in places not accessible to children.

If swallowed, consult physician immediately.

Stop using immediately if a problem appears.

When problems appear, stop using the system immediately and contact the dealer from whom you purchased the equipment. Some problems which may warrant immediate attention include a lack of sound, noxious smoke being emitted from the unit, or foreign objects dropped inside the unit.

Do not use this equipment outside the vehicle.

Do not use this equipment for purposes other than those listed for the vehicle.

Failure to do so may result in an electric shock or an injury.

Stop the vehicle before carrying out any operation that could interfere with your driving.

If the operation of the unit (such as turning on or turning off the monitor, etc.) interferes with your driving, stop the vehicle in a safe location before attempting operation.

Temperature

Before turning your unit on, be sure the temperature inside the vehicle is between -15°C ($+5^{\circ}\text{F}$) and $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$)

Maintenance

If you have problems, do not attempt to repair the unit by yourself. Return it to your purchasing dealer.

Warnings



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN



To reduce the risk of electric shock do not remove cover(or back).
No user serviceable parts inside. Refer servicing to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of "dangerous voltage" within a product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING

To prevent fire or shock hazard, do not expose the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard, as this may scratch, mar, or damage the Active Matrix LCD permanently.

REGULATORY INFORMATION

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 when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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 or correct the interference by one or more of the following measures.

CAUTION

Do not attempt to modify this product in any way without written authorization. Unauthorized modification could void the user's authority to operate this product.

POWER

This set operates on DC power. The voltage is as indicated on the label on the back cover. Never apply AC power to the set directly. Do not allow anything to rest upon or roll over the power cord, and do not place the set where the power cord is subject to damage.

SERVICE

Never remove the back cover of the monitor, as this can expose you to high voltage and other hazards. If the monitor does not operate properly, unplug it and call your dealer.

LOCATION

Position your monitor where no bright light or sunlight will shine directly on the screen. Also ensure that the monitor is placed in a position that allows a free flow of air. Do not cover the ventilation openings on the back cover.

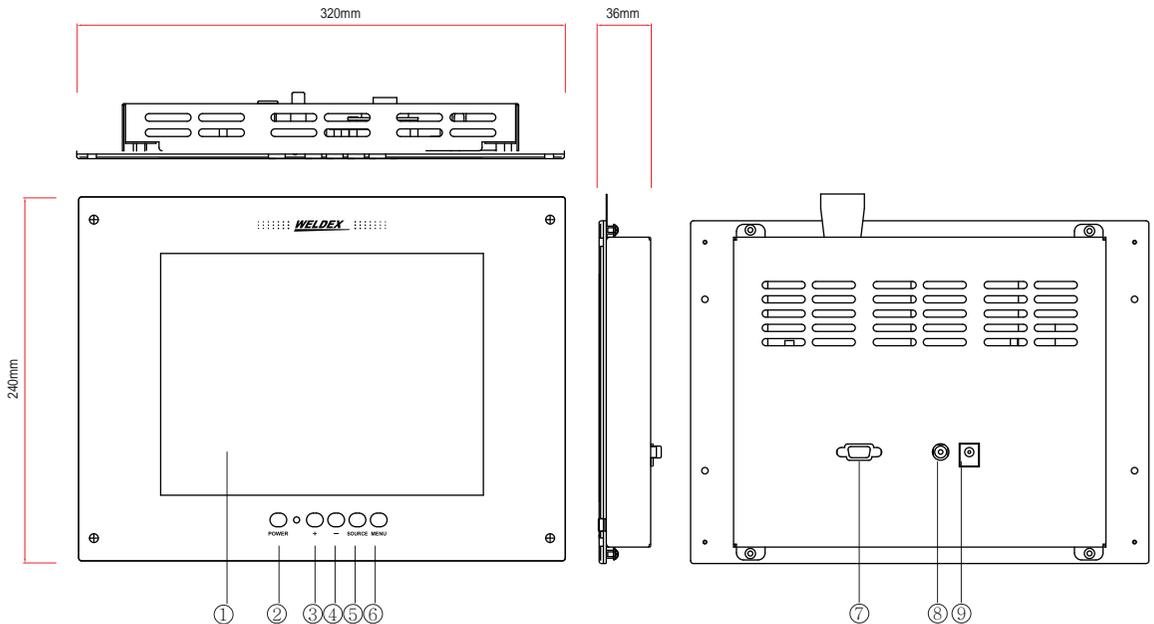
CLEANING

Unplug the monitor before cleaning the face of the LCD Screen. Dust the monitor by wiping the screen and cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid or aerosol cleaners.

Function

A. Front side of monitor.

It is an explanation of the name and function per each part.



1. LCD PANEL

It supports a resolution 800x600

2. POWER BUTTON

Turn ON/OFF power of monitor.

3. UP

Change to setting value of selected item in the OSD menu.

4. DOWN

Change to setting value of selected item in the OSD menu.

5. SOURCE / EXIT (Dual Function)

TURN DOWN A CHANGE OF SCREEN

Change a mode to VIDEO / PC and exit menu.

6. MENU (Dual Function)

Display a main menu on screen and select sub menu.

7. D-SUB (RGB input port)

User of D-SUB signal cable to connect PC D-SUB.

8. VIDEO (External video input port)

CVBS video input

9. DC-12V (Power input port)

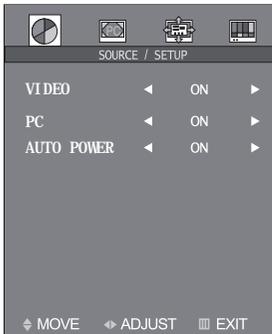
It is a connection for power.(Use the adapter supplied)

C. OSD



LANGUAGE	Toggling "LANGUAGE" on the screen to select. [ENGLISH - DEUTSCH - FRANCAIS - ITALIANO - ESPAOL - DUTCH]
H. POSITION	Select "H. POSITION" function from the OSD osd menu. Press DECREASE/INCREASE button to adjust a desired OSD horizontal position for the OSD display.
V. POSITION	Select "V. POSITION" function from the OSD osd menu. Press DECREASE/INCREASE button to adjust a desired OSD vertical position for the OSD display.
OSD TIMER	Select "OSD TIMER" function from the OSD menu to DECREASE/INCREASE the time from 5 to 60 second.
TRANSPARENT	Select "TRANSPARENT" function from the OSD menu to DECREASE/INCREASE transparency.
INFORMATION	Select "INFORMATION" function from the OSD menu. Display (NTSC/PAL) and PROGRAM VERSION on the screen.
RECALL	Select "RECALL" function from the OSD menu. Default SETTING datas.

D. SOURCE/ SETUP



Press DECREASE/ INCREASE buttons to ON/ OFF at the mode.

Ex) VIDEO ◀ ON ▶
 PC ◀ ON ▶
 AUTO POWER ◀ OFF ▶

AUTO POWER
 Set up automatically "Power ON" until it's Power Off and On again.

E. Terms

TFT LCD (Thin Film Transistor LCD)

Is a thin film transistor LCD and is a type of LCD, a display element that uses optical switch controlling the transmission of light by changing the arrangement of liquid crystal. Active matrix type of flat plate display operates the liquid crystal by integrating TFT(thin film transistor), an active switching element to each pixel of existing simple type LCD, and is emerged as a powerful CRT substitute in PC areas including TV since it has excellent resolution.

Resolution

Refers to precision level of device that displays graphics including graphic screen, TV camera and plotter. In general, resolution of screen is determined by the number of pixels at the horizontal points and vertical points forming the screen. The bigger the resolution of screen is, the more it can display information and easier it can perform several tasks at the same time.

Horizontal frequency

Number of horizontal frequencies that can be displayed for 1 second is called horizontal frequency. The unit is Khz

Vertical frequency

Frequency of displaying the screen repetitively for 1 second is called vertical frequency. The unit is Hz.

Pixel

Graphic screen can be separated into the row and column of small points and this small point is called "Pixel". It is the smallest unit of screen that can be saved, displayed and addressed.

Pixel pitch

Minimum diameter of LCD display is called "Pixel pitch".

For your reference, the distance between each pixel in CRT monitor is expressed as "DOT Pitch".

OSD (On Screen Display)

When the user press the adjustment button to adjust the monitor screen status while data is displayed in the screen, this function appears in the graphic form in the screen so that the user can easily adjust it.

Plug and Play

This function is to automatically and easily adjust new hardware without separate installation process.

F. Check before asking warranty service

Q: Power doesn't come out.

A: Connect power cord correctly and press power switch.

Q: Screen doesn't come out.

A: Check that monitor of signal cable(D-Sub) is connected correctly.

Q: LED of monitor is blinking.

A: Check that monitor of signal cable(D-Sub) is connected correctly.

Q: The size and position of screen is not normal.

A: Activate auto on screen display.

Q: Screen is too bright or dark.

A: Adjust brightness or contrast on screen display.

Q: The letter on screen is not clear and noise comes out.

A: Make it be optimal by adjusting "Phase" on display adjust.

Q: Screen doesn't come out clearly.

A: Adjust vertical frequency in registration information of system display.
If the symptom happen continuously, adjust by changing video card.

Q: No signal is shown up.

A: Check signal cable(D-Sub) of monitor(S-Sub) and the condition of damage.

Q: An image is turned up, but sound doesn't come out.

A: Check program from other broadcast and press volume up button.

Q: Screen of whole channel or special channel is overlapped.

A: Adjust the position and direction of antenna.

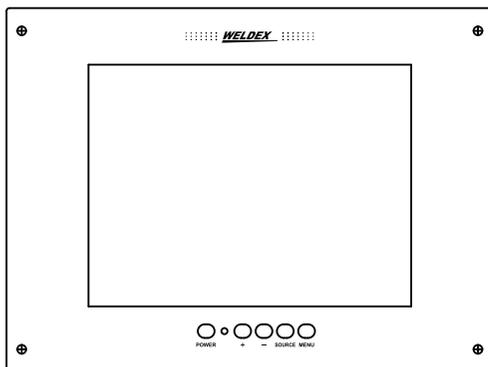
Q: Sound doesn't come out from speaker.

A: Check that audio cable is connected with audio in port of monitor and sound card speaker of PC.

Q: Screen doesn't turn up after changing to our monitor from previous one.

A: Install new monitor(ours) after changing to frequency supported by out monitor on registration information of window display from previous one.

Components



WDL-1040MFM MONITOR



MANUAL

SPECIFICATIONS

SPECIFICATIONS		
Display	Screen Size	10.4" (Diagonal)
	Brightness	300 cd/m2
	Contrast Ratio	500:1
	Max Resolution	800 x 600
	Colors	262,144 Colors
	Viewing Angle	Up: 50°, Down: 60°, Left: 75°, Right: 75°
System	Compatibility	PC : VESA Standard VGA SVGA UP to 65Hz Video: NTSC, PAL, SECAM (Auto Detection)
Frequency		Horizontal: 28.5 ~ 37 KHz / Vertical : 65 Hz
Input	Input Signals	Analog RGB, CVBS
	Input Connectors	D-SUB for RGB, RCA for CVBS
OSD Controls		Auto Adjust, Brightness & Contrast, Size & Position, Color Control, Language Selection, OSD Position, Video Control, Input Selection
Plug & Play Support		DDC 1/2B
Power	Power Management	VESA DPMS
	Power Consumption	Normal Mode : T.B.D DPMS Mode : < 4 watts
	Power Supply	Input : AC 100 ~ 240V, 50 ~ 60Hz Output : DC12V, 3.3A
Environments	Temperature	Operating: 0°C~50°C(32°F~122°F) , Storage: -20°C~60°C(-4°F~140°F)
	Humidity	Operating: 30%~60%, Storage: -5%~70%
Dimensions (WxHxD)		320 X 240 X 36 (mm)

Memo