PIXSTORM

M170T User Manual

17″ LCD TV w/ PC Input

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General Information

Thank you for purchasing out 17" Flat-screen TFT LCD Monitor. It is a high performance, 17 inch analog signal input, color TFT LCD (Liquid Crystal Display) monitor. The LCD employs the latest state-of-the-art flat panel display technology providing a wider viewing angle, higher contrast ratio and greater color accuracy.

Compatible with IBM and compatible systems, this monitor is designed to operate under a multitude of hardware platforms and video standards VGA to 1280 x 1024 non-interlaced. Its multiscan function automatically adjusts the monitor to the scanning frequency of your video card. Its non-interlaced and higher refreshing rate offers flicker-free image, which reduces eye-strain and fatigue so that you can work in front of the screen longer.

The OSD (on screen display) control system, which adopt the digital controls greatly enhances and expands your ability to control your display through adjusting the screen settings. The adjustable desk allows you to adjust the monitor to your preferred angle of vision. This outside adapter for led monitor also supports universal power supply, allowing you to use the monitor anywhere in the world.

1. Key Features

17-inch TFT LCD with anti-glare treatment
1280 x 1024 (SXGA) Optimal Resolution
High contrast ratio with a sharp, crisp image
Wide 160° viewing angle
On-Screen Display (OSD) user controls
Standard 15 Pin D-Sub VGA input
Universal power supply for outside adapter
Super-thin and slim design
Built-in stereo speakers with volume control
Standard S-Video input
Full TV Capability

2. FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against radio frequency interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause interference to radio or television reception (this can be determined by turning the equipment off and on), the user is encouraged to try to correct the interference by one or 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 which the receiver is connected to.

    Consult the dealer or an experienced radio/television technician for help.

3. Contacting Pixstorm Customer Service

If you find that service is needed on any of your Pixstorm products, call us at 1-800-PRENSTY (Monday through Friday: 10AM- 6PM P.S.T.), visit the Pixstorm website http://www.pixstorm.com or email us at support@pixstorm.com. If you contact us by email we will respond within 24-48 hours.

Before contacting us please be prepared with the following data:
- ***Name and model number of the Product***
- ***Serial Number of the Product***
- ***O/S and Processor you use***
- ***Detailed Description of the problem you are experiencing***

4. User Warnings

    To assure continued FCC compliance, please use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC (5) cable. Also, The Federal Communications Commission warns the user that any unauthorized changes or modifications to the unit if not expressly approved by the party responsible for compliance could void the user's authority of operating the equipment.

5. Warranty Information

Applicable to all Pixstorm LCD TVs

Two-Year limited warranty for United States, Canada and Mexico
This limited warranty applies in the United States, Canada and Mexico for all monitor products manufactured by Godwing Electronics Company Ltd. (Pixstorm) and distributed by PRENS International Trading Inc. under the Pixstorm brand name. This limited warranty extends to the original purchaser or any person receiving this product as a gift from the original purchaser only and is not transferable. Please contact Pixstorm or your authorized Pixstorm reseller for all questions regarding this limited warranty.

Terms of the warranty
Pixstorm warrants the product you have purchased from Pixstorm or from an authorized Pixstorm reseller against defects in materials or workmanship under normal usage conditions for two calendar years. This limited warranty commences on the date of purchase and entitles you to two-year parts, excluding expendable parts, and a two-year repair labor warranty. Products sold and used for commercial applications have a limited ninety (90) day warranty for all parts and labor. Your sales receipt, showing the date of purchase is your proof of purchase date.

During the warranty period, Pixstorm will repair or replace defective parts with new or, at Pixstorm's option, serviceable used parts that are equivalent to new parts in performance. All exchanged parts and products replaced under this warranty will become the property of Pixstorm.

For products (a) sold and used for commercial applications (b) sold outside of the continental United States, warranty service is obtained by bringing or shipping your product to an authorized Pixstorm service provider. This warranty does not cover shipping charges, risk of loss during shipment, export taxes, custom duties and taxes, or any other charges associated with transportation of the product to and from the repair facility.

Pixstorm retains the right to assess all warranty claims and to determine if damages are covered by the warranty. In case of a claim that is not covered by the warranty, you will be contacted to determine whether Pixstorm should repair the damage for a fee or whether the product should be returned to you as received by Pixstorm.

Limitations of Remedy

- The limited warranty does not cover the repair of damages occurring after you purchase the monitor in shipping or in storage or that caused by disaster, accident, misuse, abuse, negligence, mishandling, improper packaging or shipping, unauthorized repair or modification, or acts of God.
- This limited warranty does not cover repair of monitor display quality degradation resulting from failure of following the manufacturer's instruction with respect to proper handling, operation, installation, usage, service and maintenance of the monitor.
- Pixstorm or an authorized representative shall not be liable for any incidental or consequential damages resulting from the use of this product.
- DO NOT open the monitor housing under any

circumstances. By opening the monitor housing you will expose yourself to possible electrical dangers and void all warranties.

Pixstorm is not liable for any damages caused by the product or the failure of the product to perform, including any lost profits, lost savings, incidental damages, or consequential damages. Pixstorm is not liable for any claim made by a third party or made by you for a third party. This limitation applies whether damages are sought, or a claim made, under this warranty or as a loss claim (including negligence and strict product liability), a contract claim, or any other claim. This limitation of liability will be effective even if Pixstorm or an authorized representative of Pixstorm has been advised by you of the possibility of any such damages. This limitation of liability, however, will not apply to claims for personal death or injury.

How to Obtain Warranty Service
Before contacting Pixstorm for warranty service, please refer to your users manual to make sure all trouble-shooting procedures have been reviewed. If you find that service is needed, visit the Pixstorm website http://www.pixstorm.com to locate your nearest service facility or email us at support@pixstorm.com.

6. General Safety Precautions

The equipment should be installed near the wall socket, which should always be easily accessible. If any faults occur with the equipment, disconnect the power supply cord from the unit first.
(1) Environment
Place the monitor on a flat and level surface.

Place the monitor in a well-ventilated area.

Always Keep the monitor away from:

> *Rain or water*
>
> *Excessive heat, cold or humidity*
>
> *Areas exposed to direct sunlight*
>
> *Dusty surroundings*
>
> *Equipment that generates any strong magnetic fields*

(2) Precautions

Sit at least 18" from the TFT LCD TV.

Do not apply pressure to the screen. The LCD screen is delicate and if pressure is applied the panel may become damaged.

Do not touch the screen directly with fingers, which may damage the screen.

Do not place heavy objects on the power cord, video audio cables, or on the LCD TV.

Never open the case under circumstances. The display unit contains high-voltage parts. You may suffer from electric shock if you touch these parts. All warranties are voided when the case is opened.

Always handle your LCD with care when moving it.

(3) Cleaning the TFT LCD Monitor:

Gently wipe the screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles, which may scratch the screen.

Do not apply excessive pressure to the screen surface because this may damage the LCD.

Do not pour or spray any liquid to the screen or case of the LCD monitor.

7. Installation

VISUAL AID

8. Package Contents

Your package includes the following:

> *Video Cable (optional) S-Video Cable*
>
> *Audio Cable (optional) Remote controller*

(1) 17" TFT LCD Monitor   *(2) Remote Control (3) Power Cord*

(4) VGA Cable   (5) Audio Cable   (6) AC/DC Adapter

(7) User's manual

9. Control Description

1. Power Switch

Pressing this button to turn the display system on or off

2. Power LED

This indictor illuminates when the power is turned on. It is also used to indicate each power saving stage of monitor by changing its color (see the later for more information)

3. Select

When selecting menu item, pressing this key can confirm to enter the submenu.

4. Auto configuration

Pressing this key can adjust phase, click, position automatically.

5. Up/"-"

Select the previous item/decrease value of menu item.

6. Down/"+"

Select the next item/increase value of menu item.

7. Menu/exit

Pressing this button activates the main menu/exit the submenu or main menu.

Rear View
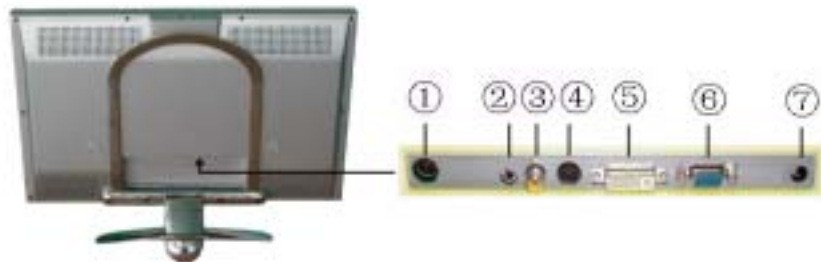
(1) TV system port

Using coaxial-cable with 75 ohm to obtain radio signal or TV cable signal.

(2) Audio In

This input is for connecting the audio cable from the audio-out connection on your computer, VCD, or DVD.

(3) Video In

This input is for connecting the Video cable from the Video-out connection on a DVD or VCD player.

(4) S-video In

Connect the Video equipment with S- Video into this input by connecting the S-video cable to the S-video out on your computer or DVD player.

(5) DVI Signal Connector

Connect the Video equipment with DVI into this input with a DVI cable.

(6) VGA Signal Connector

This input is for connecting the 15-pin D-sub VGA signal cable from your computer.

(7) Power Connector

This input is for connecting the power cable from the AC/DC adapter through the DC 12 V cable.

If there is any technical change, we will not inform.

10. Connecting the LCD TV to External Devices

Note: Please be sure the AC power to your computer is turned off before connecting or disconnecting any display peripherals. Failure to do so may cause serious personal injury as well as permanent damage to the LCD TV and your computer equipment.

Connecting your LCD TV to a PC:

Connect 15-pin D-sub interface cable to the computer via the video connector on the video card, and fix it firmly with the screws provided on the plug. Plug in one end of the audio cable to the back of the PC. Connect the AC plug adapter into AC outlet.

Connecting your LCD TV to the Antenna:

Connectors for the signal cables and audio are located on the back of the monitor. Plug the DC12V cable into DC12V socket. Please refer to the connector configuration.

Connecting to a DVD, VCD, or VHS player:

Connect one end of Video Cable to LCD Monitor and other end to the DVD; Connect one end of Audio Cable to the LCD Monitor and other end to the DVD player; Connect the AC plug into the AC outlet. Plug the DC12V output of Adapter into DC12V socket. Please refer to the connector configuration.

11. Adjusting the tilt base

Adjust the panel the by adjusting the round desk for our maximum viewing comfort.

12. Operation

Please refer to section 9 (p.12-2) for an explanation of controls

13. On Screen Display Menu & Function Table

Pressing the **MENU** button activates the main menu. See the following:

Main Menu

You can use the channel buttons to change the selections in OSD.
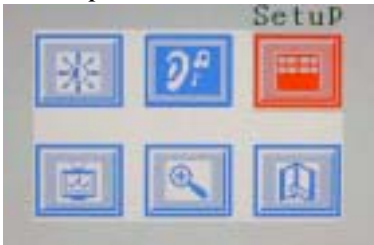
Menu Descriptions

Picture Icon

- · Brightness
- · Hue
- · Saturation
- · Contrast
- · Sharpness

Sound Icon

· *Volume*
· *Bass*
· *Treble*
· *Balance*

Setup Icon

· *Input Signal Select*
· *Language*
· *Restore Factory Settings*
· *Height Position*
· *Vertical Position*

Tune Item(In TV mode)

· *Store*
· *Skip*
· *Radio Band*
· *MST*
· *Search*
· *Auto*

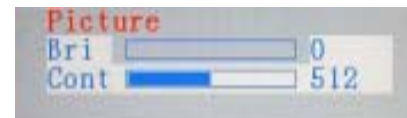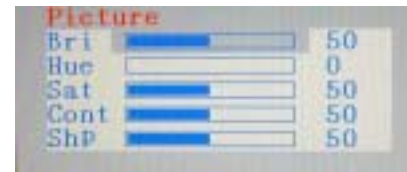*Picture position Setup Icon(In VGA & DVI mode)*

· *Auto-Configuration*
· *Clock*
· *Phase*
· *Height Position*
· *Vertical Position*

Exit Icon

Select the Picture Icon to adjust the following:

(In VGA & DVI mode)

Use the C+ or C- buttons to increase or decrease the selections, then select by pressing OK.

Bri: <Brightness>
Controls the brightness of the LCD Use V+ or V- button to increase or decrease the existing settings.

Hue:
Controls the hue of the LCD Use V+ or V- button to increase or decrease the existing settings.

Sat: <Saturation>

Controls the saturation of the LCD Use V+ or V- button to increase or decrease the existing settings.
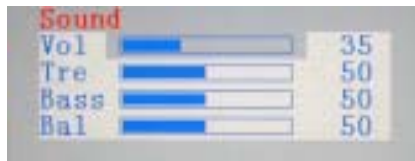
Cont: <Contrast>

Controls the contrast of the LCD Use V+ or V- button to increase or decrease the existing settings.

Shp: <Sharpness>

Controls the sharpness of the LCD Use V+ or V- button to increase or decrease the existing settings.

Select the Sound Icon to adjust the following:

Use the C+ or C- buttons to increase or decrease the selections, then select by pressing OK.

Vol: <Volume>

Controls the volume of the speaker Use V+ or V- button to increase or decrease the existing settings.

Tre: < Treble >

Controls the treble of the speaker Use V+ or V- button to increase or decrease the existing settings.
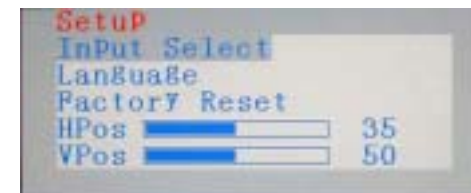
Bass:

Controls the bass of the speaker Use V+ or V- button to increase or decrease
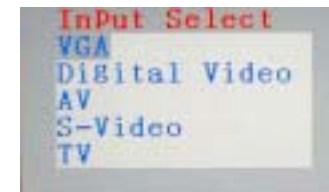
the existing settings.

Bal: < Balance>

Controls the balance of the speaker Use V+ or V- button to increase or decrease the existing settings.

Select the Setup Icon to adjust the following:

Use the C+ or C- buttons to increase or decrease the selections, then select by pressing OK.

Input Select:

Provides input signals for OSD menu. Select different signals by using V+ or V- button.

Language:

Provides languages for OSD menu. Select Chinese or English by using V+ or

V- button.

Factory Reset:

Restore to the factory settings.

HPos: <OSD horizontal Position>
Controls the horizontal OSD (On Screen Display) position within the display of the LCD. Use the V+ or V- button to move the OSD right or left.

VPos: <OSD vertical Position>
Controls the vertical OSD position within the display of the LCD. Use the V+ or V- button to move the OSD up or down.

Select the Tune Icon to adjust the following:

Use the C+ or C- buttons to increase or decrease the selections, then select by pressing OK.

Store:
Changes store TV channel. Use the V+ or V- button to change the channel up or down. (0~255 channels)

Skip:

Use to skip the scrambled channels. Use the V+ or V- button to change the skip of channel ON or OFF.

Band:
Make use of band selection to quicken the searching process in your desired band. Use the V+ or V- button to change the band VFL, VFH or UHF.

MST: <Manual Search Tuning>
When sound and picture's effect of a channel is poor (for example: one or two CATV channel's sound and picture are not standard), you can correct them by making use of Manual Search Tuning. Use the V+ or V- button to tune.

Search:
Use to search for current channel using the frequency. Use the V+ or V- button to search. Use the V+ or V- button to search.

Auto:
This is a simple and easy method to search the channels. All active channels will be preset and stored into the memory automatically. After presetting, the TV will return to the first channel program.
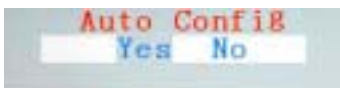During the process of AUTO SEARCH, you can press the AUTO button on the remote control and it will stop the process and the TV will return to the first channel program.

Picture VGA Setup Icon (In VGA & DVI mode)

Use the C+ or C- buttons to increase or decrease the selections, then select by pressing OK.

Auto Configuration:

Auto Configuration automatically adjusts image position, clock, and phase in VGA & DVI mode.

Clk: <Main Clock Value>
Adjust the main clock value. Use the V+ or V- button to change the main clock.

Phs: <Phase of the Clock>
Adjust the phase of the clock. Use the V+ or V- button to change the phase.

Hpos: <Height Position>
Controls the horizontal image position within the display of the LCD. Use the V+ or V- button to move the image right or left.

VPos: <Vertical Position>
Controls the vertical image position within the display of the LCD. Use the V+ or V- button to move the image up or down.

14. Power Management System

Power Mode	LED Color	Power Consumption DC 12V(Watt)
On	Green	(Audio OFF) 28 (Audio ON) 34
Standby	Red	4
Fully Off	None	None

When the LCD is standby mode, the power switch can waken it.

15. Preset Timing Modes

Please use VESA 1280x1024/75Hz for the best performance.

16. Specifications

Model Name	M170T
Display Type	TFT
Display Size	17"
Resolution	1280x1024
Pixel Pitch	0.264(H) x 0.264(V)
Display Area	337.92 (H) x 270.336(V)
Response Time	20ms
Number of Colors	16,777,216
Contrast	500:1
Brightness	250cd/m^2
Viewing angles	Horizontal: -80° ~80° Vertical: -70° ~70°
Input Signal	Analog RGB: 0.7 Vpp DVI AV

	S-Video
	TV
Input Connector	D-SUB 15 PIN
Plug & Play Support	VESA DDC1/2B
Power Management	DPMS
Vertical Frequency	56~75Hz
Input Voltage	AC100V~230V, 50/60Hz
Power Consumption	DC 34W(Max.)—Operation
	DC 4W(Max.)—Energy Saving Mode
Accessories	Power Cord, Signal Cable, Audio Cable, Remoter, User's Manual
Operating	Temperature: 0~50　　Humidity:　85%
User Controls	OSD: Menu, V+, V-, C+, C-, Select, Auto, Mute, Input Select, ⏻
Outline Dimension	383.5 (H) x 306.5 (V) x 22.8 (D)mm
Weight	Net:　　　　　Gross:

17. Troubleshooting

This section describes common problems that you may encounter through the daily use of your Pixstorm LCD TV.

If this section does not resolve your problem, please contact Pixstorm Customer Service (refer to Section 3) for further assistance.

Q: My screen is on, but there is no sound?

A: Make sure the unit is not on Mute, check the volume, and in Video or PC mode check whether the Audio in cable is connected properly to both the LCD TV and the external device. In TV mode, make sure the Antenna is working properly.

Q: The LED is on, but my screen is still black?

A: Check the video cables to make sure they are properly connected to both your LCD TV and the external device. Check if both units are turned on.

Q: My screen is too dark, how do I adjust the brightness?

A: Select the Picture Icon in the Menu, and then configure the brightness and contrast settings to your desired specifications.

Q: Why are there dead pixels on my screen?

A: All LCD screens will eventually have dead pixels. Although we strive to select top-quality panels, we cannot assure you that your LCD screen will not have dead pixels because it is the nature of the technology.

Q: How can I adjust the display size and position?

A: You can configure these settings by selecting the Picture Position Setup Icon in the Menu and by setting the Hpos and Vpos settings.

Q: Why is the text blurred?

A: Adjust the Clock Phase and Contrast Ratios settings to make the screen crisper and sharper.

Q: Why is my TV reception bad?

A: To ensure good reception you should make sure that you are using a coaxial cable and high power antenna.

Q: The picture is scrambled, what should I do?

A: Check the signal connection between the LCD TV and the external device.

Q: The picture is wavy?

A: Check the signal connection between the LCD TV and the external device.

Q: The colors are distorted and some areas are dark and shadowed?

A: Adjust the color settings by selecting the Picture Icon in the Menu.

Q: There are ghost images on my LCD TV, what should I do?
A: Check the signal connection between the LCD TV and the external device.

18. Registering your Pixstorm Product

To register your Pixstorm Product please mail a completed registration card to:

ATTN: Customer Service

PRENS International Trading Inc.

55 Stockton St., Suite 410

San Francisco, CA 94108

USA

Or go to http://www.pixstorm.com to register your product.

19. Copyright Notice

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