ADP-1XX8P Display
User Manual

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Warning!

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, it may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

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Electric Shock Hazard – Do not operate the machine with its back cover removed. There are dangerous high voltages inside.
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Disclaimer

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Chapter 1

1.1 Features

- Flat Panel Design
- Aluminum front Bezel and Steel Chassis
- Projected Capacitive Touch
- OSD Keypad Control at rear side, front side for option
- Wide Range 11~32V DC Power Input

1.2 Specifications

<table>
<thead>
<tr>
<th>Display</th>
<th>Model No.</th>
<th>ADP-1158P</th>
<th>ADP-1198P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>15&quot; 1024x768 color TFT LCD</td>
<td>19&quot; 1280x1024 color TFT LCD</td>
<td></td>
</tr>
<tr>
<td>Luminance</td>
<td>400 nits</td>
<td>350 nits</td>
<td>1000 nits (optional)</td>
</tr>
<tr>
<td>Touch point feature</td>
<td>2 fingers touch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>1024x768</td>
<td>1280x1024</td>
<td></td>
</tr>
<tr>
<td>Backlight</td>
<td>50,000 hrs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifetime</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Touch Screen</td>
<td>Projected Capacitive touch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light Transmission</td>
<td>90%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSD</td>
<td>On rear side default, on front side optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Input</td>
<td>11~32V/DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outside I/O port</td>
<td>VGA X1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVI X1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AV X1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S-Video X1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 pins Terminal block power input</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1XUSB for touch</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environment</th>
<th>Model No.</th>
<th>ADP-1158P</th>
<th>ADP-1198P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>-20~60°C</td>
<td>0~50°C</td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20~70°C</td>
<td>-20~60°C</td>
<td></td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>10~90% @40°C non-condensing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td>1G peak, 5~500Hz (at random)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certifications</td>
<td>CE/FCC Class A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shock</td>
<td>15G peak acceleration (11msec. duration)/operation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Mechanical

<table>
<thead>
<tr>
<th>Model No.</th>
<th>ADP-1158P</th>
<th>ADP-1198P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>Aluminum Sliver front/Steel Black Back</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>410x333.6x42</td>
<td>484x416.07x42</td>
</tr>
<tr>
<td>IP Rating</td>
<td>Front Panel IP65</td>
<td></td>
</tr>
<tr>
<td>Mounting</td>
<td>Panel Mount / VESA Mount 75x75</td>
<td>Panel Mount / VESA Mount 100x100</td>
</tr>
</tbody>
</table>

#### 1.3 Dimensions

![Diagram of ADP-1158P Dimensions]

**Figure 1.1: Dimensions of ADP-1158P**
Figure 1.2: Dimensions of ADP-1198P
1.4 Brief Description of ADP-1xx8P

ADP-1XX8P is a TFT LCD monitor and more outstanding features, thus giving you the best in monitoring and control applications. The front panel of the display monitor is sealed with IP 65 rating when it is panel-mounted in a NEMA rated cabinet or enclosure. It can also be VESA 75-mounted for ADP-1158P or VESA 100-mounted for ADP-1198P. It is to be equipped with a projected capacitive touch screen.

Figure 1.3: Front View of ADP-1XX8P

Figure 1.4: Rear View of ADP-1XX8P
## 1.5 Display Mode

<table>
<thead>
<tr>
<th>Display Mode</th>
<th>Hori. Sync (KHz)</th>
<th>Vert. Sync. (Hz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA 640 x 480</td>
<td>31</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>75</td>
</tr>
<tr>
<td>SVGA 800 x 600</td>
<td>35</td>
<td>56</td>
</tr>
<tr>
<td></td>
<td>38</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>48</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td>47</td>
<td>75</td>
</tr>
<tr>
<td>XGA 1024 x 768</td>
<td>48</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>56</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>75</td>
</tr>
<tr>
<td>SXGA</td>
<td>1152 x 864</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td>64</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>80</td>
<td>75</td>
</tr>
<tr>
<td>Full HD 1920 x 1080</td>
<td>75</td>
<td>60</td>
</tr>
</tbody>
</table>
Chapter 2

2.1 Front Panel OSD Functions

Auto Adjust  Up/Left  Down/Right  Power

Menu/Entry  Power Indicator

Power switch: To turn ON or OFF the power

Shift the icon to the right side or shift it up

Shift the icon to the left side or shift it down

Menu: To enter OSD menu for related icon and item.

Auto Button: One-touch auto adjustment

1.) Getting into Burn-in Mode

Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don’t let them go) the buttons until the AC power cord is connected and the “RGB” appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

2.) Getting Out of Burn-in Mode

Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the button (If not workable, press the button and don’t let them go) until the AC power cord is connected. Please don’t let your fingers go until the AC power cord is connected again and the wording of “RGB” appears on the top left corner of your screen, and wait for 3 seconds. Under the non-signal entry situation, if is seen, exit is thus successfully made.

Cable Not Connected
2.2 OSD Controls

To make any adjustment, select the following:

1. Press (Menu) to show the OSD menu or disable the OSD menu.
2. Select the icon that you wish to adjust with the ( or +/-) key in the menu.
3. Press (Menu) and then choose the item with the ( or +/-) key.
4. Press (Menu) and then adjust the quality with the ( or +/-) key.

1.) If the “RGB” is still on the top left corner of the screen, press (Menu) to enter “Miscellaneous” and choose “Reset”, and then Yes, and press (Menu). When the screen goes black, disconnect power and repeat the above steps.

2.) If the “RGB” is not found, disconnect the AC power cord first. Then press the buttons (don’t let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When “RGB” appears, repeat the above steps.

3.) Functions of OSD Keys
2.3 Main Menu

In the Main menu, there are the following items:

- Color
- Image Setting
- Position
- OSD Menu
- Language
- Misc
- Exit

For Color, check out the following:

- Contrast
- Brightness
- Color Adjust
- Color Temp
- Back

For Image setting, check out the following:

- Clock
- Phase
- Gamma
- Sharpness
- Back
In the **Position**, there are the following:

- H. Position
- V. Position
- Back

In the **OSD** menu, there are:

- OSD H. Pos.
- OSD V. Pos.
- OSD Timer
- Back

In the **Language** menu, there are:

- English
- Frances
- Germany
- Spanish
- Traditional Chinese
- Simplified Chinese
- Japanese

In the **Misc** menu, there are:

- Signal Source
  - Select VGA: Analogue VGA Input
  - Select DVI: Digital DVI-D Input
  - Select AV: Composite Video Input
  - Select SV: S-Video Video Input
- Reset
- Back
2.4 AD Board (VA-3600) OSD Functions

2.) Getting into Burn-in Mode

Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don’t let them go) the buttons until the AC power cord is connected and the “RGB” appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

2.) Getting Out of Burn-in Mode

Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the button (If not workable, press the button and don’t let them go) until the AC power cord is connected. Please don’t let your fingers go until the AC power cord is connected again and the wording of “RGB” appears on the top left corner of your screen, and wait for 3 second. Under the non-signal entry situation, if is seen, exit is thus successfully made.

When the Burn-in Mode is Unable to Eradicate...

4.) If the “RGB” is still on the top left corner of the screen, press to enter “Miscellaneous” and choose “Reset”, and then Yes, and press . When the screen goes black, disconnect power and repeat the above steps.

5.) If the “RGB” is not found, disconnect the AC power cord first. Then press the buttons (don’t let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When “RGB” appears, repeat the above steps.

6.) Functions of OSD Keys

![OSD Keys Diagram]

Auto Adjust  Up/Left  Down/Right  Power

Menu/Entry  Power Indicator
Chapter 3

3.1 Introduction to Control Board

This chapter describes how to install drivers and other software that will allow your Touch Screen Controller Board to work with different operating systems. eGalaxy touch panel control board is a touch screen control board designed for USB interface and specific for touch screens. It is designed with USB interface features with multiple devices supporting function. It is designed for Projected Capacitive Touch Panel (PCAP) application; through glass touch sensing is ready for products that require a complete flat surface. It also can drive the touch panel to get two fingers touch function that based on the Windows 7 support.

![Figure 3.1: Bird’s Eye View of control board](image)

3.2 Installation of Control Board

Before installing the Windows 2000/XP driver software, you must have the Windows 2000/XP system installed and running on your computer.
Chapter 4

4.1 Windows 2000/XP Driver Installation for eGalaxy Control Board

Before installing the Windows 2000/XP driver software, you must have the Windows 2000/XP system installed and running on your computer. You must also have eGalaxy Interface controller board installed.

Follow the steps below to install eGalaxy Windows 2000/XP driver.

**Step 1.** Insert the CD-ROM. Go to Driver folder. Click **Driver**.

**Step 2.** There is eGalaxTouch, double click the folder.
Step 3. Click setup.

4.2 Configuring eGalaxTouch Windows 2000/XP Driver

After click setup, InstallShield Wizard screen appears click Next to continue.
Step 1. Tick **Install RS232 interface driver**. Then click **Next**.

Step 2. Select **None**. Then click **Next** to continue.
Step 3. Please make sure your touch monitor or touch controller’s USB cable is plugged into the computer now. Click OK to continue the installation.

Step 4. If you want to use Multi-Monitor, check Support Multi-Monitor System. Then, click Next to continue the installation.

Step 5. Click Browse to create a new folder. Click Next to setup eGalaxTouch in the destination folder you want to install. Click Next to continue the installation.
Step 6. Under eGalaxTouch, select **Accessories**.

Step 7. Check **Create a eGalaxTouch Utility shortcut on desktop**. Click **Next** to continue.
**Step 8.** The installation files are extracted.

![Image of eGalaxTouch setup status]

**Step 9.** eGalaxTouch driver has been installed. To do 4 point calibration, click **Yes** to continue.

![Image of eGalaxTouch question window]
Chapter 5

5.1 Software Functions

General
In this window, you can see there is a USB Controller. Click OK to continue.

Monitor Mapping
to adjust touch panel

Add
to search for device
Setting Check Beep On Touch and Beep from System Beep, click OK to continue.

Beep
Beep On Touch: when you touch, it will beep.
Beep On Release: when you release, it will beep.
Beep From System Beep
Beep From Sound Card

Linearization Style
9 points
25 points

Double Click Time
Shorter
Longer

Double Click Area
Smaller
Bigger
Normal mode
Simulate the mouse mode

Check Enable Constant Touch, Enable Auto Right Click, Enable Touch, Enable Cursor Stabilization. Click OK to continue.

Option
Function
- Enable Constant Touch
- Enable Auto Right Click
- Enable Touch
- Enable Cursor Stabilization

Constant Touch Area
- Smaller
- Larger

Auto Right Click Time
- Shorter
- Longer

Option
Function
- Enable Constant Touch
- Enable Auto Right Click
- Enable Touch
- Enable Cursor Stabilization
- Constant Touch Area
- Auto Right Click Time
Tools

Click **OK** to continue the settings.

4 Points Calibration
Do 4 points alignment to match display.

Clear and Calibrate
Clear linearization parameter and do 4 points alignment.

Linearization
Do 9 points linearization for better touchscreen linearity.

Draw Test
Do draw test to verify the touch accuracy.
Display
In this window, it shows the mode of display. Select **Full Screen**, click **OK** to continue.

Enable Multiple Monitors.
Map to main display if system has only one display monitor
- Full Screen
- Lower Screen
- Left Screen
- Upper Screen
- Right Screen
Other mode of display. Quarter1~4 and Customized area.

Active Area
Drag active area to enable Active Area Function.
Hardware  

Click **OK**.

![Hardware Configuration](image)

Hardware Configuration  

Click **OK** to continue.

![Saturn - Hardware Configuration](image)
About
To display information about eGalaxTouch and its version.