



# PPS1831 Series User Manual



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(Version: V1.5)

#### All information is subject to change without notice.

Approved by	Checked by	Prepared by

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# **Record of Revision**

Version	Date	Remark
1.1	Mar/30/2012	Initial Release
1.2	Apr/02/2012	Second Version
1.3	Apr/04/2012	Third Version
1.4	May/22/2012	Fourth Version
1.5	June/14/2012	Fifth Version





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1. To disconnect the machine from the electrical power supply, turn off the power switch and remove the power cord plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.

2. Read these instructions carefully. Save these instructions for future reference.

3. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

4. Disconnect this equipment from any AC outlet before cleaning. Do not use liquid or spray detergents for cleaning. Use a damp cloth.

5. Follow all warnings and instructions marked on the product.

6. Do not use this product near water.

7. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.

8. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

9. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.

10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

11. Never pour any liquid into an opening. This could cause fire or electrical shock.

12. Never open the equipment. For safety reasons, only qualified service personnel should open the equipment.

- 13. If any of the following situations arises, get the equipment checked by service personnel:
  - a. The power cord or plug is damaged.
  - b. Liquid has penetrated into the equipment.
  - c. The equipment has been exposed to moisture.

d. The equipment does not work well, or you cannot get it to work according to the user's manual.

e. The equipment has been dropped and damaged.





## Safety Symbol Description

The following safety symbols are the further explanations for your reference.

#### CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

# 

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility" and 73/23/EEC "Low Voltage Directive".

# FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

	Medical equipment with respect to electric shock, fire and mechanical hazards only in accordance with UL 60601-1, and CAN/CSA C22.2 NO. 601.1
Â	Attention, consult ACCOMPANYING DOCUMENTS.
	Ground wire Protective Ground wire.





## for FCC 15b devices

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 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 that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.

#### FCC Part 15.21 information for user

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.





Legislation RoHS and WEEE Symbol

## **Restriction of the use of certain Hazardous Substances**



This product uses components that comply with the requirements of the Restriction of the use of certain Hazardous Substances (RoHS) Directive 2002/95/ EC.

#### WEEE

2002/96/EC Waste Electrical and Electronic Equipment Directive on the treatment, collection, recycling and disposal of electric and electronic devices and their components.



The crossed dustbin symbol on the device means that it should not be disposed of with other household wastes at the end of its working life. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.





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- C&T is a trademark of Chips and Technologies, Inc.
- UMC is a trademark of United Microelectronics Corporation.
- ITE is a trademark of Integrated Technology Express, Inc.

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## 1. Item Checklist

Take out the system unit from the carton. Remove the unit by carefully clutching the foam inserts and remove slowly to protect the system. The following contents should be found in the carton:

- 1 x PPS Series Panel PC
- 1 x IP Phone Set
- 1 x CD for User Manual and Driver
- 1 x AC/DC Adaptor

If any of these items should be missing or damaged, please contact your distributor or sales representative immediately.

PPS Panel PC



Landscape



<u>Portrait</u>

IP Phone Set









CD for User Manual and Touch Driver



## Packing









## **2.0 General Information**

#### 2.1 Introduction

The intended use of the Litemax's "Infotainment System : PPS1831" is made for the security staff and care takers in daycare, hospital and clinical settings for monitoring.

PPS1831 is 18.5 inch fanless multi function panel PC, feature power efficient Intel embedded processor and advance long life LED backlight display. With projective capacity multi touch, wireless connectivity, smart card reader and VOIP telephone, PPS1831 provide infotainment solution at the same time.

The PPS1831 is a general purpose panel PC with Intel® Atom processor-based computer that is designed to serve as a point of care station, bed side terminal or multi-function computer. It is a PC-based system with 18.5" true color TFT LCD display, Zero Noise solution; integrated multimedia functions make them the perfect platforms to build comprehensive lifestyle computing applications. The PPS1831 includes all the features of a powerful computer into a slim and attractive chassis. The PPS1831 support 2.5" Hard Disk Drive storage function and one Mini-PCI for WLAN expansion. Moreover, they feature flexible I/O ports, such as six USB2.0, one RS-232, two RJ45 for GbE.

Convenient operation, Silent, compact, mobility and highly integrated multimedia system let you to focus on healthcare utility, interactive information displays, automation control systems, general desktop usage, multimedia recreation, and other medical requirements.

#### 2.2 Features

- 18.5" TFT LCD panel PC with 1366x768 resolution
- LED backlight with low power consumption and constant brightness
- Landscape & Portrait display mode support
- Fan-less design provides silent operation, zero noise.
- Projective capacitive multi-touch screen provides easy and intuitive interactions with application
- Easily access swappable HDD and CF slot.
- VOIP telephone provides data and telephone communication onto a common network.
- CMOS 1.3MP PC camera provides clear photo taken and motion monitoring
- Smart Card Reader (SCR) and RFID enable electronic record.
- Wireless LAN and cable LAN provide flexible network connection
- Bluetooth module provides easily wireless connection
- IP54 same level facial screen with antibacterial coating provide water proof feature And reduce bacterial buildup.

#### **Optional Features:**

- RFID and SCR combo reader.
- DVB-T and ATSC TV receiver support.
- IP Phone.





### 2.3 Specification

Model Number	PPS1831	
Description	18.5" Fanless, Intel® ATOM™ D510 1.66GHz Processor, Multi-Function Panel PC	
Display	18.5" Wide LED Backlight	
Active Display Area	304.128x228.096 mm	
Brightness	250 cd/m2	
Resolution	1366x768 (HD)	
Touch Screen	Projective Capacitive Multi-Touch	
<b>Computing Platform</b>		
Processor	Intel® Atom D510 1.66GHz	
Chip Set	Intel® ICH8M	
Memory	SODIMM DDRII 533/667 Memory up to 2GB	
Ethernet	Gigabit Ethernet x 2	
Storage	2.5" SATAII HDD drive bay CF to SATAII socket module (optional)	
External Connectivity	X2 RJ-45 Gigabit Ethernet (GbE) X4 USB2.0 X1 COM port RS232 X1 Audio Mic-in, Line-out X1 Smart Card Reader X2 RJ-11 (at right and left side) X1 Four pins DC Input connector X1 DVB-T Antenna connector (IEC type)	
Internal Connectivity	Speaker: 2x2W stereo speaker Internal Microphone: Build in PC Camera: USB Video Class (UVC) compliant camera module Bluetooth: Bluetooth v2.0 + EDR Wireless LAN: WiFi 802.11 b/g OSD: (4 keys and 1 LED) Power on/off button, Power LED, Manual, Volume (+), Volume (-)	
Optional Features	IP Phone: Internet Softphone DVB-T: Digital Video Broadcasting-Terrestrial DAB: Digital Audio Broadcasting RFID: Standard protocol Mifare classic Smart Card Interface: Standard protocol ISO7816-3, EMV L1	
Power		
Voltage	DC Input: DC 12V	
Power Adaptor	DC 12V Output AC100V~240V (120Watt)	
Mechanical		
IP Rating	Front IP65 standards when console mounted.	





U	
Construction	Antibacterial plastic housing
Mounting	VESA75/VESA100
Dimension	447.2x302.9.7x58.98 mm
Net Weight	5.4Kg
Environmental	
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~ 60°C
<b>Operating Humidity</b>	5~95% @ 40°C, non-condensing

#### 2.4 System View

#### 2.4.1 Front View







#### 2.4.2 Rear View



## 2.4.3 Buttom View







#### 2.5 Product Dimension











## 3.0 Hardware Installation and Power on/off

#### 3.1 Safety Precautions

Always completely disconnect the power cord from your board whenever you are working on it. Do not make connections while the power is on, because a sudden rush of power can damage sensitive electronic components.

Always ground yourself to remove any static charge before touching the board. Modern electronic devices are very sensitive to static electric charges. Use a grounding wrist strap at all times. Place all electronic components on a static-dissipative surface or in a static-shielded bag when they are not in the chassis

#### 3.2 HDD Installation

3.2.1 Remove the HDD cover screw.



3.2.2 Assembly 2.5" HDD on the HDD carrier metal.







3.2.2 Push HDD set into the HDD housing, the connector of HDD toward the housing.





3.2.3 Make sure HDD is connected properly with HDD bay, and then close HDD cover with screw.







## 3.3 CF Card Installation

3.2.1 Remove the HDD cover screw. (CF card is set in the same bay with HDD)



3.2.2 Assembly CF card on the CF carrier metal.



3.2.2 Push CF set into the CF housing, the connector of CF card toward the housing.



3.2.3 Make sure CF card is connected properly with CF bay, and then close HDD cover with screw.





## 3.4 Telephone Set Installation

3.4.1 Tighten the mounting screws on the edge side of phone holder.



3.4.2 Put on the IP Phone and connect the phone cable with bottom side RJ11 connector.







#### 3.5 MSR Installation

3.5.1 Tighten the MSR metal set on the edge side of computer.



3.5.2 Assembly MSR module into the metal set.



3.5.3 Connect the MSR cable with edge side USB connector.







#### 3.6 Power on/off

3.6.1 Power on the unit, touch the Power on/off symbol for 5 seconds till LED indicator lighting.



3.6.2 If the computer is working on Windows system, power off the unit through OS shut down bottom. Or touch the power on/off symbol for 5 seconds.





## 4.0 BIOS Setting

#### 4.1 Main Features Setup

Aptio Setup Ut Hain Advanced Chipset Bu	ili <b>c Constantight (C) 2010 American )</b> Save 8 Exit
BIOS Information BIOS Ver Core Version Ormpliency Project Version Bwild Date and Time	American Megatrends 4.6.4.0 UEFI 2.0 GLN5 1.05 x64 04/20/2011 09:49:04
System Date System Time Access Level	[Mon 08/15/2011] [15:52:29] Administrator

## 4.2 Advanced Chipset Setup







### 4.3 Chipset Setup



## 4.4 Boot Devices Setup

•
t <mark>y – Copyright (C</mark> Security Save &
1 [Off]
[Disabled]
07.62





#### 4.5 Security and Password Setup



#### 4.6 Save and Exit Option







## **5.0 Driver Installation**

#### 5.1 Wire-Less LAN Driver Installation

Please found driver file in the driver CD, file name is "Install Bluewu2.3.04.101224 driver"



Please click "Install"

Computer	a-3	a-9	
Recycle Bin	a-4	a=10	
		5.55	3DSP WLAN and Bluetooth USB Adapter - InstallShield Wizard
			30SP WLAN and Bluetooth USB Adapter requires the following items to be installed on your computer. Click Install to begin installing these requirements.
Control Pan	Mobil ink 3	bil	
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			renamy biocouci 3.1.311.13_A(A00)
	1	Sec. 10	
		Law and	
HD VDeck	a-5	હની	
PPS1851 AP	0-0-0		
_	-		Install Cancel
ad	01		
a-2	a-8		





Please click "Yes"

Computer	a-3	a-9	
Recycle Bin	a-4	3-10	3DSP WLAN and Bluetooth USB Adapter - InstallShield Wizard
	2		3DSP WLAN and Bluetooth USB Adapter requires the following items to be installed on your computer. Click Install to begin installing these requirements.
Control Pane	I MobiLink 3	6-1	Status Requirement
HD VDeck		el.	SDSP WLAN and Bluetooth USB Adapter - InstallShield Wizard      SDSP WLAN and Bluetooth USB Adapter optionally uses BlueSoleil     S.4.314.15_X(X86). Would you like to install it now?
			Yes No
PPS1831 AP	a=0	œ-2	
			Install Cancel
art	a-1		
a-2	a-8		
<b>7</b>			- 🛷 🐺 👆 🐸

#### Please click "OK"

Computer	a-3	a-9		
Recycle Bin	a-4	a-10	3DSP WLAN and Bluetooth USB Adapter - InstallShield Wizard	
Control Pane	MobiLink 3	6-1	3DSP WLAN and Bluetooth USB Adapter requires the following items to be installed on your computer. Click Install to begin installing these requirements.     Status Requirement Installing BlueSolel 5.4.314.15_X(X86)	
HD VDeck		ed.	Choose Setup Language	
PPS16B1 AP		e2	DK Cancel Installing BlueSoleil 5.4.314.15_X(X86)	
<b>1</b>	•7		Install Cancel	
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Please click "Next"

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Control Panel Mobilitink 3 bet	
Image: Second	
RPS1681 AP as c2 BlueS leit	
Sadk Next> Cancel	

Please select "I accept the terms in the license agreement", and then click "Next"

	1		·	
Computer	a-3	a-9	د۶	
	1	1		
Recycle Bin	a-4	a-10	BlueSoleil 5.4.314.15 - InstallShield Wizard	
			License Agreement Please read the following license agreement carefully.	
Control Pane	I MobiLink 3	b-1		
			Bluesoleil End User License Agreement	
HD VDeck	<b>—</b>	el	NOTICE TO USER: PLEASE READ THIS AGREEMENT CAREFULLY. THE BLUESOLEIL END USER LICENSE AGREEMENT (AGREEMENT) IS A VALID AND BINDING AGREEMENT BETWEEN YOU, AS A USER, AND IVT CORPORATION (IVT), BY USING ALL OR ANY PORTION OF THE	
			SOFTWARE, YOU ACCEPT ALL THE TERMS AND CONDITIONS	
			I accept the terms in the license agreement      Print	
PPS18B1 AP	0+0	<u>e-2</u>	I do not accept the terms in the license agreement	
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<b>7</b>	0		🛷 🐺 ዿ 💌 🕀	▲ 🔀 🔚 🕩 1:35 PM 2/16/2011





Please click "Next"

Computer	a-3	a-9	<u>د</u> ه
Recycle Bin	a-4	a=10	BlueSoleil 5.4.314.15 - InstallShield Wizard
Control Panel	MobiLink 3	64	Destination Folder     BlueSteil       Click Next to install to this folder, or click Change to install to a     BlueSteil       different folder.     Install BlueSoleil 5.4.314.15 to: C: \Program Files\UT Corporation\BlueSoleil\
HD VDeck		el	
PPSIEEL AP	<b>20</b>	<b>2</b>	
al.	07		<pre>&lt; Back Next &gt; Cancel</pre>
32		e4	
🖉			<ul> <li></li></ul>

#### Please click "Install"

Computer	a-3	a-9	e5
-			
Recycle Bin	a-4	a-10	BlueSoleil 5.4.314.15 - InstallShield Wizard
0			Ready to Install the Program The wizard is ready to begin installation. BlueS leil
Control Pane	MobiLink 3	b-1	Click Install to begin the installation.
			If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
$\mathbf{O}$			
HD VDeck	a-5	e-1	
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PPS18B1 AP	3-6	e-2	InstallShield
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Please click "Finish"

Computer	a-3	a-9	
Recycle Bin	a-4	a-10	BlueSoleil 5.4.314.15 - InstallShield Wizard
Control Panel	MobiLink 3	6-1	InstallShield Wizard Completed The InstallShield Wizard has successfully installed BlueSoleil 5.4.314.15. Click Finish to exit the wizard.
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POSIBEL AP	<b>26</b>	•2	BlueS leil
at	a1		
		•4	

Please click "Next"

Computer	a-3	a-9	<b>-</b> -5		
Recycle Bin	a-4	a-10			
Control Pane	MobiLink 3	b-1		Welcome to the InstallShield Wizard for 3DSP WLAN and Bluetooth USB Adapter The InstallShield(R) Wizard will install 3DSP WLAN and Bluetooth USB Adapter on your computer. To continue, dick	
HD VDeck		el.		Next. WARNING: This program is protected by copyright law and international treaties.	
PPSIEBI AP	<b>1</b>	•2	C B		
at at	37			< Back Next > Cancel	
.2		e4			
<b>7</b>	<i>(</i> )		🛷 😨 🍒		▲ 😽 🖏 👀 1:38 PM 2/16/2011





Please click "Install"

Computer	a-3	-9	<b>2</b>
		-	
Recycle Bin	a-4	a-10	🔁 3DSP WLAN and Bluetooth USB Adapter - InstallShield Wizard
			Ready to Install the Program       The wizard is ready to begin installation.
Control Panel	I MobiLink 3	b-1	Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
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		1.000	
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Please click "Finish"

Computer	a-3	a-9	c-5	c-11							
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at at	a1					CDALK	FILISI	Carter			
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			<b>S</b>						- V	😼 🐗 🌗	2/16/2011





Please click "Yes", and then restart the system







#### **5.2 Card Reader Driver Installation**

#### Please found the Card Reader Driver from CD, file name is "\\Driver\Setp 5 - Option\Castles\_SCR & RFID\Win7 driver\Windows7 32bit\setup"

Share with   New folder				8== -
Name ^	Date modified	Type Size		
😋 setup	10/15/2009 4:56 AM	Application 7, 184	В	
	Share with  Name  Name  Share with  Share  S	Share with  Vew folder  Date modified  Date modified  10/15/2009 4:56 AM	Share with ♥ New folder Neme ^ Date modified Type Size Size 10/15/2009 4:56 AM Application 7,184 K	Share with ♥ New folder          Name ^       Date modified       Type       Size         Image: Setup       10/15/2009 45:56 AM       Application       7,184 KS

#### Please click " ok"

EzUSB S	Smart Card Reader Setup For Windows 7_Server 2008 🗙
ٹ	Select the language for the installation from the choices below.
	English (United States)
	<u>D</u> K Cancel





#### **Please click "Next"**



#### Please click "Install"

🛃 EzUSB Smart Card Reader Setup For Windows 7_Server 2008 R2 32 bit - InstallS 🗙
Ready to Install the Program         The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back Install Cancel





#### Please click "OK"



#### Please click "Finish"

🙀 EzUSB Smart Card Reader Setup For Windows 7_Server 2008 R2 32 bit - InstallS 🗙						
2	InstallShield Wizard Completed					
	The InstallShield Wizard has successfully installed EzUSB Smart Card Reader Setup For Windows 7_Server 2008 R2 32 bit. Click Finish to exit the wizard.					
SVA.						
	< Back Finish Cancel					





#### Setup EZ710 smart card in device manager

Please select "Update Driver Software"



#### Please select"Browse my computer for driver software"

🔋 Up	odate	Driver Software - Unknown Device	×
$\bigcirc$		Update Driver Software - Unknown Device	
	How	do you want to search for driver software?	
	+	<b>Search automatically for updated driver software</b> Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
	•	Browse my computer for driver software Locate and install driver software manually.	
			Cancel





#### Please found the Card Reader Driver from CD, file name is "\\Driver\Setp 5 - Option\Castles\_SCR & RFID\Win7 driver\release\_ez710" Please click "OK"

Browse For Folder	×
Select the folder that contains drivers for your h	ardware.
EZ PCSC TestingAP V4.0	EZ 100PL
EZ710_Mifare_Demo	
🖃 🍌 Win7 driver	
release ez710	
Windows7 32bit	
Windows7 64bit	
USB Phone	-
1	
Eolder: release_ez710	
ОК	Cancel

#### Please click "Next"

🔋 Up	🔋 Update Driver Software - Unknown Device			
Θ	Update Driver Software - Unknown Device			
	Browse for driver software on your computer			
	Search for driver software in this location:			
	ver\Step 5 - Option\Castles_SCR & RFID\Win7 driver\release_ez710  Browse Browse			
	✓ Include subfolders			
	Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the device, and all driver software in the same category as the device.			
	<u>N</u> ext Cancel			





#### Please click "Close"

Update Driver Software - EZ710 Smartcard/Contactless Reader		
Update Driver Software - EZ710 Smartcard/Contactless Reader		
Windows has successfully updated your driver software		
Windows has finished installing the driver software for this device:		
EZ710 Smartcard/Contactless Reader		
	Close	

#### Please select "Update Driver Software"

🔛 Computer Management		
File Action View Help		
🗢 🄿 🔰 🖬 🗐 😨 🖬		
🛃 Computer Management (Local)	E vincent-PC	Actions
🖃 🎁 System Tools	B-B Bluetooth USB	Device Manager 🔺
Task Scheduler	B - Ne driver	More Actions
Event viewer	B- Joshan valanters	More Actions
Local Users and Groups	B 0 the Human Interface Devices	
Performance	B C IDE ATA/ATAPI controllers	
🚔 Device Manager	B Tanging devices	
E Storage	P Keyboards	
Disk Management	H-M Mice and other pointing devices	
	H Wetwork adapters	
	E-To Other devices	
	B T Ports (COM & LF Disable	
	Processors Uninstall	
	Brand Card Feed	
	B J System devices Properties	
	🗄 – 📮 Universal Serial Bus controllers	
	1	1
Launches the Update Driver Software V	Vizard for the selected device.	





Please select"Browse my computer for driver software"

🔋 Up	date Driver Software - Unknown Device	×
$\bigcirc$	Update Driver Software - Unknown Device	
	How do you want to search for driver software?	
	Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
	Browse my computer for driver software Locate and install driver software manually.	
		Cancel

Please found the Card Reader Driver from CD, file name is "\\Driver\Setp 5 - Option\Castles\_SCR & RFID\Win7 driver\release\_ez710" Please click "OK"

Browse For Folder	×
Select the folder that contains drivers for your har	dware.
TT D 20 driver	
E Castles_SCR & RFID	
EZ PCSC TestingAP V4.0(E	Z100PL
EZ710_Mifare_Demo	
🖂 퉲 Win7 driver	_
light release_ez710	
Windows7 32bit	-
	•
Eolder: release_ez710	
OK C	ancel
	1





#### Please click "Next"

🔋 Update Driver Software - Unknown Device	×
🕒 📱 Update Driver Software - Unknown Device	
Browse for driver software on your computer	
Search for driver software in this location:	
ver\Step 5 - Option\Castles_SCR & RFID\Win7 driver\release_ez71	0 ▼ B <u>r</u> owse
✓ Include subfolders	
Let me pick from a list of device drivers on my computer This list will show installed driver software compatible with the devic the same category as the device.	e, and all driver software in
	Next Cancel

#### Please click "Close"

🔋 Up	date Driver Software - EZ710 Smartcard/Contactless Reader	×
$\bigcirc$	Update Driver Software - EZ710 Smartcard/Contactless Reader	
	Windows has successfully updated your driver software	
	Windows has finished installing the driver software for this device:	
	EZ710 Smartcard/Contactless Reader	
	Gose	





#### Completed

Computer Management		_ 변 스	
Ele Action View Help			
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🛃 Computer Management (Local)	□ vincent-PC	Actions	
🖃 🎁 System Tools	B-8 Bluetooth USB	Device Manager	
Control Task Scheduler	B S Computer	Mara Actions	
Event viewer	B S drives	More Actions	
Local Users and Groups	Ange House State Control of the State		
Performance	E C IDE ATA/ATAPI controllers		
🚔 Device Manager	🕀 🚟 Imaging devices		
E Storage	B — Keyboards		
Disk Management	₽-13 Mice and other pointing devices		
Services and Applications			
	Processors		
	e- 🛗 Smart card readers		
	EZ710 Smartcard/Contactless Reader		
	EVID Smartcard/Contactess Reader		
	B-M Source view and game controllers		
	B - Universal Serial Bus controllers		





## 6.0 OSD Setting

#### 6.1 Brightness Menu

By pressing the "menu" button, you will see the below picture. Across from timing you will see resolution, frequency, and V-frequency of the panel. Version shows the firmware control version. These cannot be altered by the user.



There are 7 sub menus within the OSD user interface: Brightness, Signal Select, Sound, Color, Image, Tools, and Exit.

When you press the "menu" button, you enter the "Brightness" sub directory. In this directory, you will see 4 selections:

#### OSD Brightness:



press "right" key

Press the "menu" once, to adjust the brightness. Press "left" to dim down the brightness to "0", press "right" to increase the brightness to "100"



**Ambient light sensor:** Press this Icon for auto dimming. (OPTION) To use this option, the Litemax ambient light sensor needs to have been installed



Potentiometer: Navigate to this icon to adjust the VR function.



Ambient light sensor with OSD offset: To set minimum brightness level based on ambient light.





Press "right" key



Press 'menu" once, to adjust minimum luminance to fit your application (OPTION)

**Contrast:** Press "menu" and "right" buttons to adjust the contrast from "0" to "100". To adjust from "100" to "0", press "menu" and the "left" buttons.



**Exit:** You can exit this sub menu back to normal screen.

## 6.2 Audio Menu



There are 3 options for "Sound" sub page.



Audio Volume: Audio volume adjustment.

UnMute/Mute: You can mute the speaker by pressing this option.

Exit: back to the beginning menu.





## 6.3 Auto Color





**Auto Color:** By navigating over to the "Auto Color" option, optimal color performance is invoked.



SRGB: Windows standard color setting

#### 6.4 Color Temperature Menu





Color Temperature: You have 3 options in this selection



Color Temperature User Define: Default is 100 for "R", "G", and "B".



Color Tempture\_6500K: Warm color scheme





Color Tempture\_93OOK: Cold color scheme



Exit: back to the normal screen.

#### 6.5 Auto Adjust Menu





**Auto Adjust:** Choose this option and the AD5766 will adjust to the optimal horizontal and vertical frequency. You will see "Auto tune...." on the screen for around 3 seconds.

**Clock:** If you are not satisfied with the Auto tune result, you can adjust manually by pressing "Clock". Using this will make the image wider.



**Phase:** If "double images" appear around the characters, choose "Phase" to remove them..



**HPos:** You can shift the screen horizontally using this function.

**Vpos:** You can shift the screen vertically using this function.



Exit: Back to normal screen.



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