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SPECIAL NOTES ON LCD MONITORS

The following symptoms are normal with LCD monitor and do not indicate a problem.

NOTES

- Due to the nature of the fluorescent light, the screen may flicker during initial use. Turn off the Power Switch and then turn it on again to make sure the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- The LCD screen has effective pixels of 99.99% or more. It may include blemishes of 0.01% or less such as a missing pixel or a pixel lit all of the time.
- Due to the nature of the LCD screen, an afterimage of the previous screen may remain after switching the image, when the same image is displayed for hours. In this case, the screen is recovered slowly by changing the image or turning off the Power Switch for hours.

Information for your safety and comfort

Safety instructions

Read these instructions carefully. Keep this document for future reference. Follow all warnings and instructions marked on the product.

CAUTION for accessibility

Be sure that the power outlet you plug the power cord into is easily accessible and located as close to the equipment operator as possible. When you need to disconnect power to the equipment, be sure to unplug the power cord from the electrical outlet.

Warnings

- Do not use this product near water.
- Do not place this product on an unstable cart, stand or table. If the product falls, it could be seriously damaged.
- Slots and openings 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.
- 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 onto or into the product.
- To avoid damage of internal components and to prevent battery leakage, do not place the product on a vibrating surface.
- Never use it under sporting, exercising, or any vibrating environment which will probably cause unexpected short current or damage rotor devices, HDD, Optical drive, and even exposure risk from lithium battery pack.

Safe listening

Follow these instructions, suggested by hearing experts, to protect your hearing.

- Gradually increase the volume until you can hear it clearly and comfortably and without distortion.
- After setting the volume level, do not increase it after your ears adjust.
- Limit the amount of time listening to music at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

Product servicing

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

Unplug this product from the wall outlet and refer servicing to qualified service personnel when:

- the power cord or plug is damaged, cut or frayed
- liquid was spilled into the product
- the product was exposed to rain or water
- the product has been dropped or the case has been damaged
- the product exhibits a distinct change in performance, indicating a need for service
- the product does not operate normally after following the operating instructions



Note: Adjust only those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.

LCD Pixel Statement

The LCD unit is produced with high-precision manufacturing techniques. Nevertheless, some pixels may occasionally misfire or appear as black or red dots. This has no effect on the recorded image and does not constitute a malfunction.

Tips and information for comfortable use

Computer users may complain of eyestrain and headaches after prolonged use. Users are also at risk of physical injury after long hours of working in front of a computer. Long work periods, bad posture, poor work habits, stress, inadequate working conditions, personal health and other factors greatly increase the risk of physical injury.

Incorrect computer usage may lead to carpal tunnel syndrome, tendonitis, tenosynovitis or other musculoskeletal disorders. The following symptoms may appear in the hands, wrists, arms, shoulders, neck or back:

- numbness, or a burning or tingling sensation
- aching, soreness or tenderness
- pain, swelling or throbbing
- stiffness or tightness
- coldness or weakness

If you have these symptoms, or any other recurring or persistent discomfort and/or pain related to computer use, consult a physician immediately and inform your company's health and safety department.

The following section provides tips for more comfortable computer use.

Finding your comfort zone

Find your comfort zone by adjusting the viewing angle of the monitor, using a footrest, or raising your sitting height to achieve maximum comfort. Observe the following tips:

- refrain from staying too long in one fixed posture
- avoid slouching forward and/or leaning backward
- stand up and walk around regularly to remove the strain on your leg muscles

-
- take short rests to relax your neck and shoulders
 - avoid tensing your muscles or shrugging your shoulders
 - install the external display, keyboard and mouse properly and within comfortable reach
 - if you view your monitor more than your documents, place the display at the center of your desk to minimize neck strain

Taking care of your vision

Long viewing hours, wearing incorrect glasses or contact lenses, glare, excessive room lighting, poorly focused screens, very small typefaces and low-contrast displays could stress your eyes. The following sections provide suggestions on how to reduce eyestrain.

Eyes

- Rest your eyes frequently.
- Give your eyes regular breaks by looking away from the monitor and focusing on a distant point.
- Blink frequently to keep your eyes from drying out.

Display

- Keep your display clean.
- Keep your head at a higher level than the top edge of the display so your eyes point downward when looking at the middle of the display.
- Adjust the display brightness and/or contrast to a comfortable level for enhanced text readability and graphics clarity.
- Eliminate glare and reflections by:
 - placing your display in such a way that the side faces the window or any light source
 - minimizing room light by using drapes, shades or blinds
 - using a task light
 - changing the display's viewing angle
 - using a glare-reduction filter
 - using a display visor, such as a piece of cardboard extended from the display's top front edge
- Avoid adjusting your display to an awkward viewing angle.
- Avoid looking at bright light sources, such as open windows, for extended periods of time.

Developing good work habits

Develop the following work habits to make your computer use more relaxing and productive:

- Take short breaks regularly and often.
- Perform some stretching exercises.
- Breathe fresh air as often as possible.
- Exercise regularly and maintain a healthy body.



Warning! We do not recommend using the product on a couch or bed. If this is unavoidable, work for only short periods, take breaks regularly, and do some stretching exercises.



For more information and help in recycling, please visit the following websites:
Worldwide:

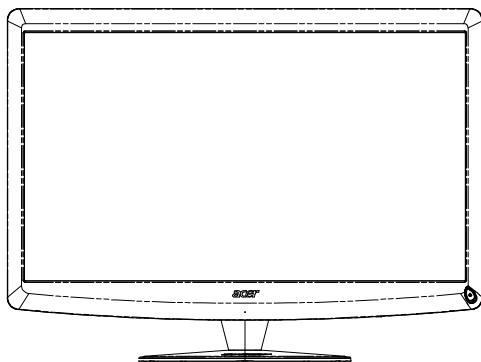
<http://www.acer-group.com/public/Sustainability/sustainability01.htm>

<http://www.acer-group.com/public/Sustainability/sustainability04.htm>

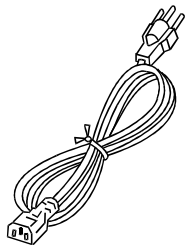
UNPACKING

Please check the following items are present when you unpack the box, and save the packing materials in case you will need to ship or transport the monitor in future.

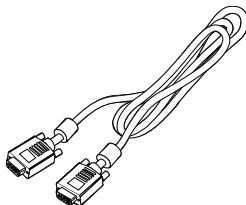
- LCD Monitor



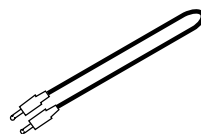
- AC Power Cord



- D-Sub Cable



- Audio Cable
(Only Audio-Input Model)
(Optional)



- User Manual



- Quick Start Guide



- USB Cable



Attaching / Removing the Base



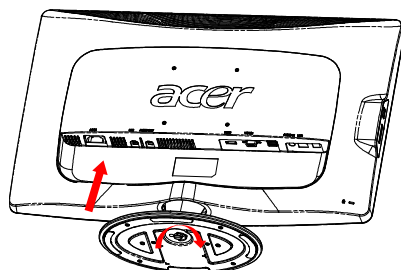
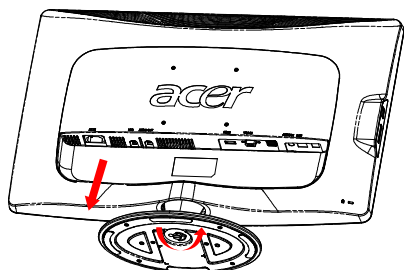
Note: Remove the monitor and monitor base from its packaging. Carefully place the monitor face-down on a stable surface -- use a cloth to avoid scratching the screen.

Install:

Align the release button on the bottom of the monitor with the corresponding slots on the bottom of the base.

Remove:

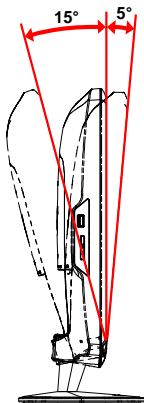
Depress the release button as indicated first before removing the base and follow the arrow direction to remove it.



SCREEN POSITION ADJUSTMENT

In order to optimize the best viewing position, you can adjust the tilt of the monitor by using both of your hands to hold the edges of the monitor as shown in the figure below.

The monitor can be adjusted to 15 degrees up or 5 degrees down as indicated by arrow below.



CONNECTING THE POWER CORD

- Check first to make sure that the power cord you use is the correct type required for your area.
- This monitor has a universal power supply that allows operation in either 100/120V AC or 220/240 V AC voltage area. No user-adjustment is required.
- Plug one end of the power cord to the AC Inlet, plug another end to a proper AC outlet.
- For unit using at 120 V AC:
Use a UL Listed Cord Set, Type SVT wire and plug rated 10 A/125 V.
- For unit using at 220/240 V AC (outside of U.S.):
Use a Cord Set consisting of H05VV-F cord and plug rated 10 A, 250 V. The cord set should have the appropriate safety approvals for the country in which the equipment will be installed.

SAFETY PRECAUTION

- Avoid placing the monitor, or any other heavy object, on the power cord to avoid damage to the cable.
- Do not expose the monitor to rain, excessive moisture, or dust.
- Do not cover the ventilation slots or openings of the monitor. Always put the monitor in a place where there is adequate ventilation.
- Avoid placing the monitor against a bright background or where sunlight or other light sources may reflect on the face of the monitor. Place the monitor just below eye level.
- Handle with care when transporting the monitor.
- Refrain from giving shock or scratch to the screen, as screen is fragile.

CLEANING YOUR MONITOR

Please carefully follow the below guidelines when cleaning the monitor.

- Always unplug the monitor before cleaning.
- Use a soft cloth to wipe the screen and cabinet front and sides.

Power saving

The monitor will be driven into Power Saving mode by the control signal from the display controller, as indicated by the amber-color power LED.

State	LED Light
ON	White
Power Saving Mode	Amber

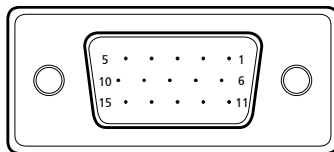
The power saving states will be kept until a control signal has been detected or the keyboard or mouse is activated. The recovery time from Power Saving state back to ON state is around 3 seconds. Long press Power Button for 3 seconds into Power Off Mode.

DDC

To make your installation easier, the monitor is able to Plug and Play with your system if your system also supports DDC protocol. The DDC (Display Data Channel) is a communication protocol through which the monitor automatically informs the host system about its capabilities, for example, supported resolutions and corresponding timing. The monitor supports DDC2B standard.

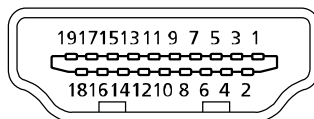
CONNECTOR PIN ASSIGNMENT

15-Pin Color Display Signal Cable



PIN	DESCRIPTION	PIN	DESCRIPTION
1.	Red	9.	+5V
2.	Green	10.	Sync-Ground
3.	Blue	11.	Monitor Ground
4.	Monitor Ground	12.	DDC-Serial Data
5.	DDC-Ground	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		

19-Pin color display signal cable*



PIN	DESCRIPTION	PIN	DESCRIPTION
1.	TMDS Data 2+	10.	TMDS Clock+
2.	TMDS Data 2 Shield	11.	TMDS Clock Shield
3.	TMDS Data 2-	12.	TMDS Clock-
4.	TMDS Data 1+	13.	CEC
5.	TMDS Data 1 Shield	14.	Reserved (N.C. on device)
6.	TMDS Data1-	15.	SCL
7.	TMDS Data 0+	16.	SDA
8.	TMDS Data 0 Shield	17.	DDC/CEC Ground
9.	TMDS Data 0-	18.	+5V Power
		19.	Hot Plug Detect

* only for certain models

Standard Timing Table

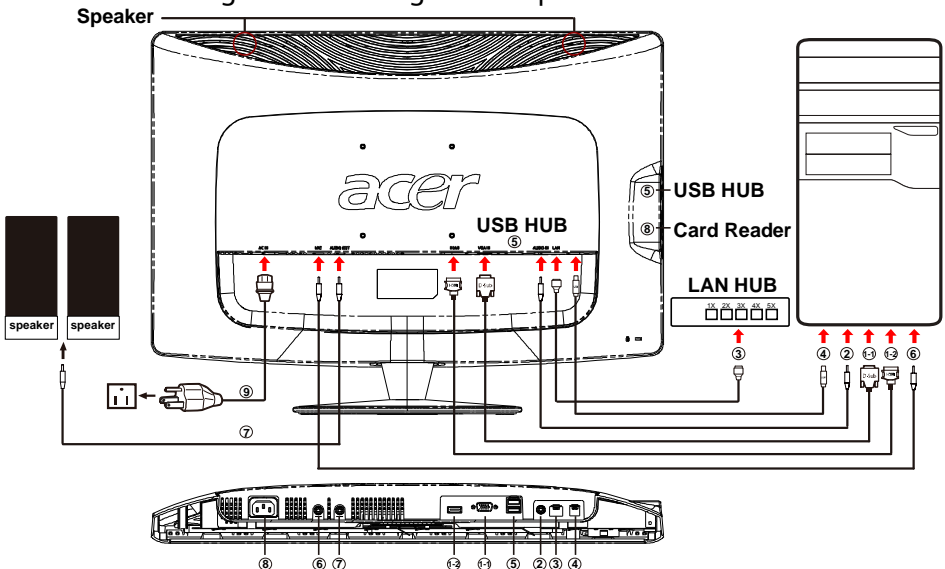
Mode	Resolution			
1	VGA	640x480	60	Hz
2	MAC	640x480	67	Hz
3	VESA	640x480	72	Hz
4	VESA	720x400	70	Hz
5	VESA	800x600	56	Hz
6	SVGA	800x600	60	Hz
7	SVGA	800x600	72	Hz
8	CVT	1024x600	60	Hz
9	VESA	1024x768	60	Hz
10	VESA	1024x768	70	Hz
11	VESA	1152x864	75	Hz
12	VESA	1280x720	60	Hz
13	CVT	1280x800	60	Hz
14	VESA	1280x960	60	Hz
15	VESA	1280x1024	60	Hz
16	VESA	1360x768	60	Hz
17	CVT	1440x900	60	Hz
18	VESA	1600x1200	60	Hz
19	CVT	1680x1050	60	Hz
20	CVT	1920x1080	60	Hz
21	CEA	1920x1080	60	Hz
22	CVT-RB	1920x1080	60	Hz

INSTALLATION

To install the monitor to your host system, please follow the steps as given below:


Steps

1. 1-1 Connect Video Cable
 - a. Make sure both the monitor and computer are powered-OFF.
 - b. Connect the VGA video cable to the computer.
- 1-2 HDMI Cable (Only HDMI-Input Model)(Optional)
 - a. Make sure both the monitor and computer are powered-OFF.
 - b. Connect the HDMI cable to the computer.
2. Connect the Audio Cable to PC Analog Audio output (Lime green connector) (Only Audio-Input Model).
3. Connect the LAN Cable (LAN Cable is for Display+ only, no function in PC mode).
4. Connect the USB Cable to PC Host.
5. USB HUB: For USB Device connect.
6. Connect to the PC Microphone Audio Input (Pink connector).
7. Connect to the Earphone or External Speaker (Optional).
8. Card Reader for SD, MMC, MS, MS PRO and XD card.
9. Connect power cord: Connect the power cord to the monitor, then to a properly grounded AC outlet.
10. Power-ON Monitor and Computer
Power-ON the monitor first, then power-ON the computer.
This sequence is very important.
11. If the monitor still does not function properly, please refer to the troubleshooting section to diagnose the problem.

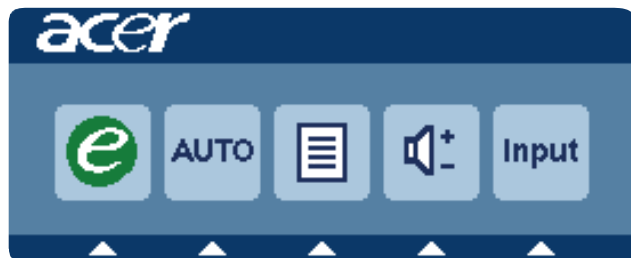


USER CONTROLS



 **Power Switch / Power LED:**
To turn the monitor ON or OFF.
Lights up to indicate the power is turned ON.

Using the Shortcut Menu



Press the function button to open the shortcut menu. The shortcut menu lets you quickly select the most commonly accessed settings.

1 **e** Empowering:

Press the Empowering Key to open the Acer eColor Management OSD and access the scenario modes.

2 **AUTO** Auto Adjust

Press this button to activate the Auto Adjustment function. The Auto Adjustment function is used to set the HPos, VPos, Clock and Focus.

3 **MENU** OSD functions

Press this button to activate the OSD menu.

4 **Volume Up / Down**

Press to adjust volume (Only Audio-Input Model)(Optional)

5 **INPUT** Input Key (PC Mode)

Use Input key to select from different video sources that may be connected to your monitor.

(a) VGA input (b) HDMI input

As you cycle through the sources you will see the following messages on right top side of screen to indicate currently selected input source. It may take 1 or 2 seconds for the image to appear.

VGA or HDMI

If either VGA or HDMI input is selected, but the VGA and HDMI cables are not connected, a floating dialog box indicates:

"Cable not Connect"

When the video cable is connected, but there is no active signal input, a floating dialog box indicates:

"no signal"

6 **Source Key**

Use Source Key to select PC Mode or Plus Mode.

Acer eColor Management



Operation instructions

Step 1: Press "e" Key to open the Acer eColor Management OSD and access the scenario modes

Step 2: Press "◀" or "▶" to select the mode

Step 3: Press "Adjust/Exit" Key to confirm the mode and run Auto Adjust.

Features and Benefits

Main Menu icon	Sub Menu icon	Sub Menu item	Description
	N/A	User mode	User defined. Settings can be fine-tuned to suit any situation
	N/A	Text mode	Optimal balance of brightness and contrast prevent eyestrain. The most comfortable way to read onscreen text
	N/A	Standard mode	Default Setting. Reflects native display capability
	N/A	Graphic mode	Enhances colors and emphasize fine detail. Pictures and photographs appear in vibrant colors with sharp detail.
	N/A	Movie mode	Displays scenes in clearest detail. Presents great visuals, even in unsuitably-lit environments.

Adjusting the OSD settings




 Note: The following content is for general reference only. Actual product specifications may vary.

The OSD can be used for adjusting the settings of your LCD Monitor. Press the MENU key to open the OSD. You can use the OSD to adjust the picture quality, OSD Timeout and general settings. For advanced settings, please refer to following page:


Adjusting the picture quality



- 1 Press the MENU key to bring up the OSD.
- 2 Using the ▲ / ▼ keys, select  Picture from the OSD. Then navigate to the picture element you wish to adjust. Use the **Enter** to Enter to the item page.
- 3 Use the ◀ / ▶ keys to adjust the sliding scales.
- 4 The Picture menu can be used to adjust the current Brightness, Contrast, Colour Temp, Auto Config and other image-related qualities.


Adjusting the OSD Timeout



- 1 Press the MENU key to bring up the OSD.
- 2 Using the directional keys, select  OSD from the on screen display. Then navigate to the feature you wish to adjust.


Adjusting the setting



- 1 Press the MENU key to bring up the OSD.
- 2 Using the ▲ / ▼ keys, select  Setting from the OSD. Then navigate to the feature you wish to adjust. Use the **Enter** to Enter to the item page.
- 3 The Setting menu can be used to adjust the screen Menu Language and other important settings.

Product information



- 1 Press the MENU key to bring up the OSD.
- 2 Using the ▲ / ▼ keys, select  Information from the OSD. Then the basic information of LCD monitor will show up for current input.

TROUBLESHOOTING

Before sending your LCD monitor for servicing, please check the troubleshooting list below to see if you can self-diagnose the problem.

(VGA Mode)

Problems	Current Status	Remedy
No Picture	LED ON	<ul style="list-style-type: none"> Using OSD, adjust brightness and contrast to maximum or reset to their default settings.
	LED OFF	<ul style="list-style-type: none"> Check the power switch.
		<ul style="list-style-type: none"> Check if AC power cord is properly connected to the monitor.
	LED displays amber color	<ul style="list-style-type: none"> Check if video signal cable is properly connected at the back of monitor.
<ul style="list-style-type: none"> Check if the power of computer system is ON. 		
Abnormal Picture	Unstable Picture	<ul style="list-style-type: none"> Check if the specification of graphics adapter and monitor is in compliance which may be causing the input signal frequency mismatch.
	Display is missing, center shift, or too small or too large in display size	<ul style="list-style-type: none"> Using OSD, adjust RESOLUTION, CLOCK, CLOCK-PHASE, H-POSITION and V-POSITION with non-standard signals.
		<ul style="list-style-type: none"> Using OSD, in case of missing full-screen image, please select other resolution or other vertical refresh timing.
		<ul style="list-style-type: none"> Wait for a few seconds after adjusting the size of the image before changing or disconnecting the signal cable or powering OFF the monitor.
Abnormal Sound (Only Audio-Input model) (Optional)	No sound, or sound level is too low	<ul style="list-style-type: none"> Check the audio cable with the host PC is connected.
		<ul style="list-style-type: none"> Check if the volume setup of the host PC is in minimum position and try to raise the volume level.



Declaration of Conformity

We,

Acer Incorporated

8F, 88, Sec. 1, Hsin Tai Wu Rd., Hsichih, Taipei Hsien 221, Taiwan

Contact Person: Mr. Easy Lai, e-mail: easy_lai@acer.com.tw

And,

Acer Europe SA

Via Cantonale, Centro Galleria 2 6928 Manno Switzerland

Hereby declare that:

Product: LCD monitor
Trade Name: Acer
Model Number: D241H
SKU Number: D241H xxxxxx (“x” = 0~9, a ~ z, or A ~ Z)

Is compliant with the essential requirements and other relevant provisions of the following EC directives, and that all the necessary steps have been taken and are in force to assure that production units of the same product will continue comply with the requirements.

EMC Directive 2004/108/EC as attested by conformity with the following harmonized standards:

- EN55022, AS/NZS CISPR22, Class B
- EN55024
- EN61000-3-2 Class D
- EN61000-3-3

Low Voltage Directive 2006/95/EC as attested by conformity with the following harmonized standard:

- EN60950-1

RoHS Directive 2002/95/EC on the Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment

- The maximum concentration values of the restricted substances by weight in homogenous material are:

Lead	0.1%	Polybrominated Biphenyls (PBB's)	0.1%
Mercury	0.1%	Polybrominated Diphenyl Ethers (PBDE's)	0.1%
Hexavalent Chromium	0.1%	Cadmium	0.01%

Directive 2005/32/EC of the European Parliament and of the Council with regard to Eco-design Requirements.

R&TTE Directive 1999/5/EC as attested by conformity with the following harmonized standard:

I Article 3.1(a) Health and Safety

- EN60950-1
- EN62311

I Article 3.1(b) EMC

- EN301 489-1
- EN301 489-17

I Article 3.2 Spectrum Usages

- EN300 328

Year to begin affixing CE marking 2009.

Easy Lai

Easy Lai Manager
Regulation Center, Acer Inc.

Oct. 9, 2009

Date



Federal Communications Commission Declaration of Conformity

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.

The following local Manufacturer /Importer is responsible for this declaration:

Product:	LCD Monitor
Trade Name:	Acer
Model Number:	D241H
SKU Number:	D241H xxxxxx ("x" = 0~9, a ~ z, A ~ Z or Blank)

Name of Responsible Party: Acer America Corporation

Address of Responsible Party: 333 West San Carlos St.
San Jose, CA 95110
U. S. A.

Contact Person: Acer Representative

Phone No.: 254-298-4000

Fax No.: 254-298-4147

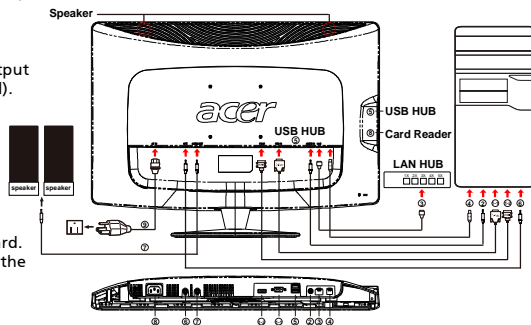
Safety Instructions

Observe the following safety guidelines when connection and using your monitor:

- Be sure that your monitor is electrically rated to operate with the AC power available in your location.
- Locate your monitor near an easily accessible electrical outlet.
- Place the monitor on a solid surface and treat it carefully. The screen can be damaged if dropped, sharply hit, or touched with a sharp or abrasive implement.
- Put your monitor in a location with low humidity and a minimum of dust.
- Never use your monitor if the power cable has been damaged. Do not allow anything to rest on the power cable, and keep the cable away from where people could trip over it.
- Never insert anything metallic into the monitor openings. Doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of the monitor. Only a qualified technician should open the monitor's case.
- Be sure to hold the plug, not the cable, when disconnecting the monitor from an electrical outlet.
- Openings in the monitor cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Also, avoid using the monitor on a bed, sofa, rug, or other soft surface.
- Doing so may block the ventilation openings in the bottom of the cabinet. If you put the monitor in a bookcase or some other enclosed space, be sure to provide adequate ventilation.
- Do not expose the monitor to rain or use it near water. If the monitor accidentally gets wet, unplug it and contact an authorized dealer immediately. You can clean the exterior of the monitor with a damp cloth when necessary, but be sure to unplug the monitor first. If your monitor does not operate normally-in particular, if there are any unusual sounds or smells coming from it -unplug the monitor immediately and contact an authorized dealer or service center.

Connecting Your Monitor to a Computer

- 1-1 Connect Video Cable
 - a. Make sure both the monitor and computer are powered-OFF.
 - b. Connect the VGA video cable to the computer.
- 1-2 HDMI Cable (Only HDMI-Input Model)(Optional)
 - a. Make sure both the monitor and computer are powered-OFF.
 - b. Connect the HDMI cable to the computer.
2. Connect the Audio Cable to PC Analog Audio output (Lime green connector) (Only Audio-Input Model).
3. Connect the LAN Cable (Optional).
4. Connect the USB Cable to PC Host.
5. USB HUB: For USB Device connect.
6. Connect to the PC Microphone Audio Input (Pink connector).
7. Connect to the Earphone or External Speaker (Optional).
8. Card Reader for SD, MMC, MS, MS PRO and XD card.
9. Connect power cord: Connect the power cord to the monitor, then to a properly grounded AC outlet.
10. Power-ON Monitor and Computer
Power-ON the monitor first, then power-ON the computer.
This sequence is very important.
11. If the monitor still does not function properly, please refer to the troubleshooting section to diagnose the problem.



Troubleshooting Tips

No Power - The monitor power indicator is off.

Make sure the monitor power cable is fully inserted in the monitor's power port and the electrical outlet. Test the electrical outlet by plugging in a working electrical device such as a lamp.

Try another power cable on the monitor. You can use the computer's power cable to perform this test.

No Video - The monitor power indicator is on but there are no image on the screen.

Ensure that the video connector is properly connected to the computer.

Ensure that the computer is on and functioning properly.

Turn off the monitor and check the video cable pins. Make sure no pins are bent.

Operation Detail

Please refer to user guide in CD-ROM packaged with this monitor.

Regulations and safety notices

FCC notice

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

CE declaration of Conformity

Hereby, Acer Inc., declares that this LCD monitor is in compliance with the essential requirements and other relevant provisions of EMC Directive 2004/108/EC, Low Voltage Directive 2006/95/EC, and RoHS Directive 2002/95/EC and Directive 2005/32/EC of the European Parliament and of the Council with regard to Eco-design Requirements.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with EMC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user authority, which is granted by the Federal Communications Commission, to operate this product.

In addition, the instructions shall include, as far as applicable, a warning that excessive sound pressure from earphones and headphones can cause hearing loss.

Operation conditions

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.


Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

LAMP Disposal



















 LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG. FOR LAMP SPECIFIC DISPOSAL INFORMATION CHECK WWW.LAMPRECYCLE.ORG.

Disposal of Waste Equipment by Users in Private Household in the European Union



This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

SPECIFICATION

LCD Panel	Driving system	TFT Color LCD
	Size	24.0" W/ 61cm
	Pixel pitch	0.276mm(H)x 0.276mm(V)
	Brightness	300cd/m ² (Typical)
	Contrast	80000:1 Max (ACM)
	Viewable angle	170° (H) 160° (V)
	Response time	2 ms
VGA	Video	R,G,B Analog Interface
	H-Frequency	30KHz - 80KHz
	V-Frequency	55Hz - 75Hz
Display Colors		16.7M Colors
Dot Clock		165MHz
Max. Resolution		1920 x 1080 @ 60Hz
Plug & Play		VESA DDCCI/DDC2B
Power Consumption (at 100 nits)	On Mode	34.4W (typ.)
	Sleep Mode	1.25W (typ.)
	Off Mode	0.75W (typ.)
Input Connector		D-Sub
		HDMI (Only HDMI-Input Model)
Input Video Signal		Analog:0.7Vp-p(standard), 75 OHM, Positive
		HDMI signal (Only HDMI-Input Model)(Optional)
Speakers		2W x 2 (Only Audio-Input Model)(Optional)
Maximum Screen Size		Horizontal : 531 mm, Vertical : 299 mm
Power Source		100-240VAC,50/60Hz
Environmental Considerations		Operating Temp: 5° to 35°C, Storage Temp.: -20° to 60°C, Operating Humidity: 10% to 85%
Dimensions		574.8(W) x 430(H) x 172.3(D)mm
Weight (N. W.)		6.9 kg Unit (net)
External Controls:	Switch	Power Button,Input Key, </>, MENU/ENTER, Auto adjustment/ Exit, Empowering Key
	Functions	Brightness, Contrast, H.Position, V.Position, Focus, Clock, Colour Temp, Auto configuration (only Analog input model), OSD timeout, Wide Mode, DDCCI On/Off, ACM On/Off, Input signal Selection (only Dual or HDMI input model), Language, Reset, Display information, Exit
* All specifications are subject to change without notice.		
Regulatory Compliance		
                 		

ADM(Acer_eDisplay_Management)

Regarding the features and operation instructions, please refer to the "Help" section in the ADM software on the CD Manual.(For Windows 98SE/ME/NT 4.0/2000/XP/Vista)

Acer Display+ LCD Monitor

Setup Guide

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Acer Display+ LCD Monitor Setup Guide
Original Issue: 10/2009

Acer Display+ LCD Monitor Setup Guide

Model number: _____

Serial number: _____

Date of purchase: _____

Place of purchase: _____

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Setting up

To set up Acer Display+ as an independent display, please follow the steps below:

- 1 Connect the keyboard.
- 2 Connect the Ethernet cable or configure your Wi-Fi settings.
- 3 Connect external speakers (optional).
- 4 Connect the power cord to the monitor, then to a properly grounded AC outlet.
- 5 Turn the monitor on.
- 6 If the monitor does not function properly, please refer to the troubleshooting section to diagnose the problem.

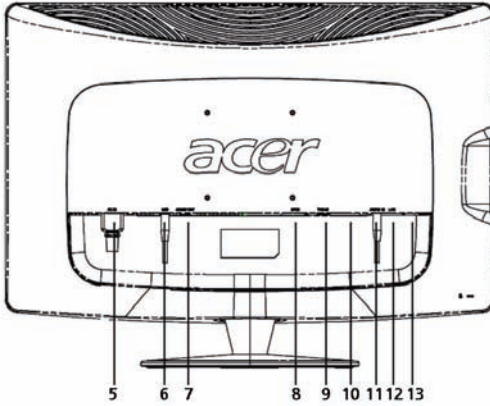
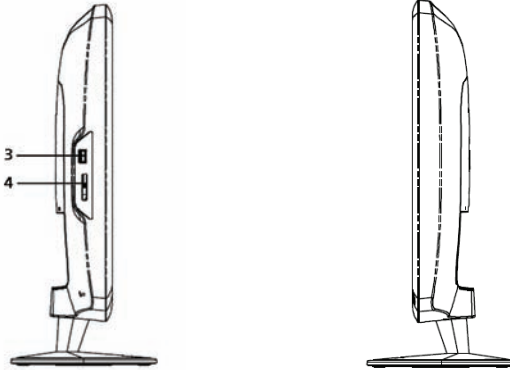
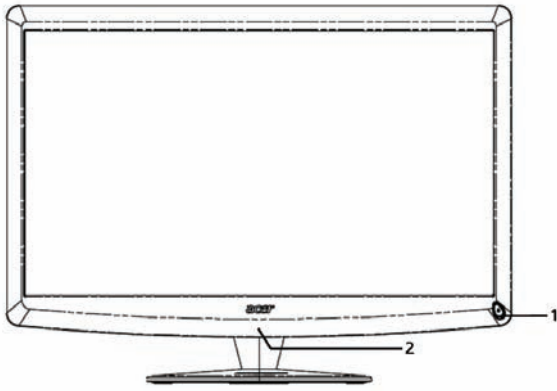
To install Acer Display+ on your host system, please follow the steps below:

- 1 Connecting the video cable
 - a Make sure both the monitor and computer are switched off.
 - b Connect the VGA video cable to the computer.
- 2 Connecting the HDMI cable.
 - a Make sure both the monitor and computer are switched off.
 - b Connect one end of the HDMI cable to the back of the monitor and the other end to the computer's port.
- 3 Connect the audio cable to the PC to play audio via display speaker.*
- 4 Connect external speakers.*
- 5 Connect the USB cable to the PC to enable the USB device and memory cards to act as extended hub for the PC.*
- 6 Connect the microphone cable to the PC to enable the built-in microphone on Acer Display+ to act as an extended microphone for PC use.*
- 7 Connect the power cord to the monitor, then to a properly grounded AC outlet.
- 8 Turn on the monitor first, then the computer. This sequence is very important.
- 9 If the monitor does not function properly, please refer to the troubleshooting section to diagnose the problem.



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Note: * Steps 3 to 6 are optional.


Overview



Number	Item	Description
1	Power button	Turns the device on and off.
2	Microphone	Internal microphone.
3	USB port	Connects to USB 2.0 devices.
4	Multi-in-1 card reader	Accepts Memory Stick (MS), Memory Stick PRO (MS PRO), MultiMediaCard (MMC), Secure Digital (SD), xD-Picture Card (xD)
5	AC-in	Connects to an AC adapter.
6	Mic-in	Accepts input from external microphones.
7	Audio-out	Connects to external speakers.
8	HDMI	Supports high-definition digital video connections.
9	VGA-in	Connects to a PC.
10	USB ports x 2	Connect to USB 2.0 devices.
11	Audio-in	Accepts audio line-in devices.
12	Ethernet (RJ-45) port	Connects to an Ethernet 10/100- or 10/100/1000-based network.
13	Mini USB port	Connects to a PC.

Keyboard



ESC	Go back one function level.
<F11> 	Open the widget bar.
Enter	Use this to select a widget in the widget bar and to affix the widget on the selected section.
Navigation keys	Navigate up, down, left and right through widget settings options.
Colored dots	Shortcut widget functions.

Widgets

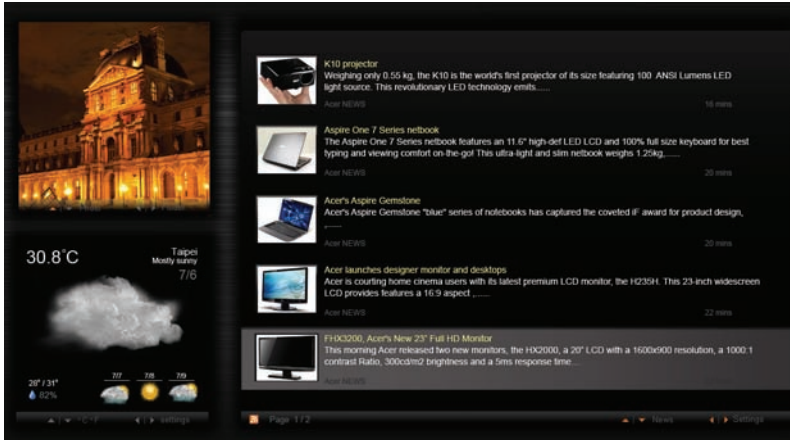
Your Acer Display+ monitor has built-in widget-based functions such as calendar, memo, weather, news, clock, and digital photo frame function for browsing pictures even when the monitor is not connected to a computer.



Note: For instructions on how to configure the settings for each widget, refer to "Settings" on page 14.

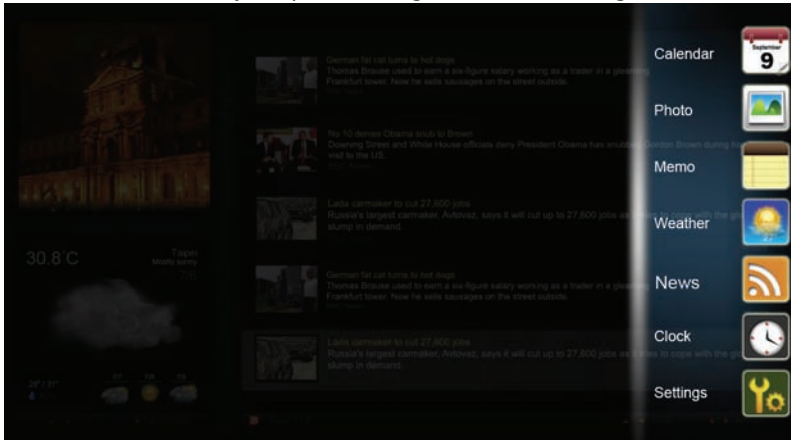
Customizing your screen

Customize your widgets' size and layout on your screen. You can place up to three widget applications on your screen -- two small widgets on the left and a big widget on the center-right. You can also set up the digital photo frame function in full screen mode.

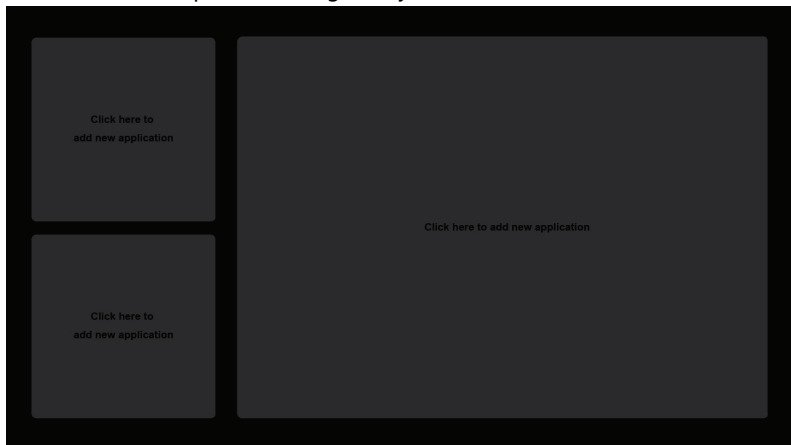


To customize your layout:

- 1 Press the **Home** key to open the widget toolbar on the right..



- 2 Use the up and down navigation keys to select a widget and press **Enter**.
- 3 Press **Enter** to place the widget on your selected container.



Note: To customize settings for each widget, click **Settings**.

Calendar

When you set the calendar as a small widget, use the left and right navigation keys to switch months.



When you set the calendar as a big widget, use the left and right navigation keys to switch months. You can also choose to show your Google calendar, create events, and switch views (month / week / day / agenda).

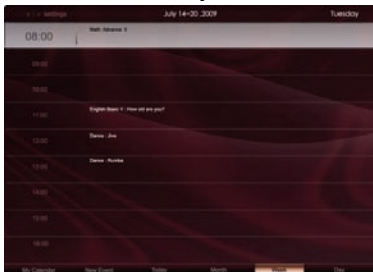
Month



Week



Day



Agenda



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Note: You need to be connected to the Internet to be able to synchronize Google calendar in Acer Display+.

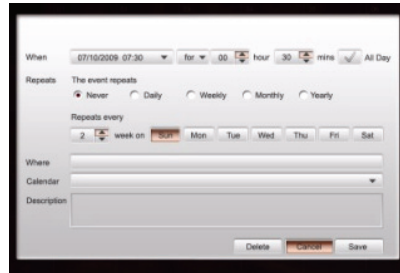


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Note: You cannot set up a new Google account through Acer Display+, however, you can log in to your Google calendar using Acer Display+.

Adding an event

- 1 Click **New Event** and add the information needed on the pop-up window.
- 2 Click **Save** to save the event.

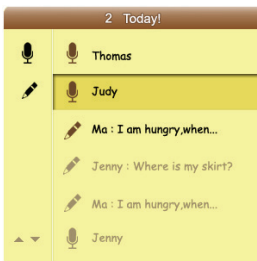


Deleting / modifying an event







- 1 Select the event and click **Delete** on the pop-up window.
- 2 To modify an event, select the event and modify the details on the pop-up window.
- 3 Click **Save** to save the changes.

Memo

You can display up to six written or voice notes on your screen.



To make notes:

- 1 Select  or .
- 2 Create your note.
- 3 Select **Save** to add new memo, or **Cancel** to quit.
- 4 Press **Enter** to read or listen to the note.
- 5 To switch pages, click ,  (in the small widget), and ,  (in the big widget).
- 6 Select **Delete** to delete a note.



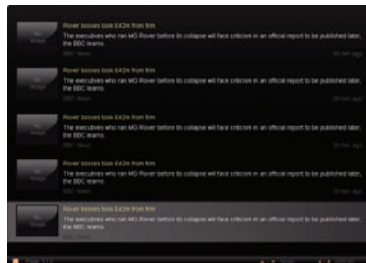
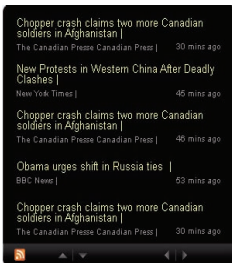
Note: When making voice notes, be sure to speak clearly in front of the microphone. You can record up to a total of 60 minutes of voice notes, with a maximum of 3 minutes per note.

News

You can set up your news widget to show only the headline, or to show the headline and article.

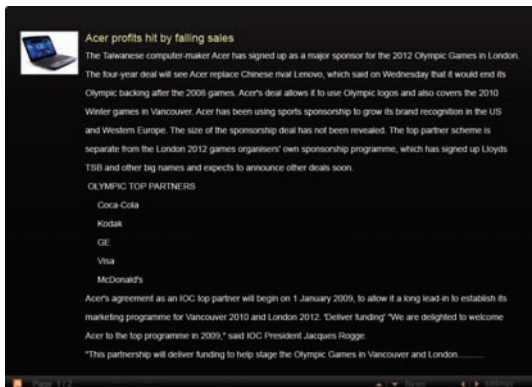
When showing only the headline:

- 1 Press the right navigation key to go to the language page.
- 2 Press the right navigation key again to go to the news source page.
- 3 Select your preferred language and source, and press the left navigation key to go back to the main view.



To show the headline and full article:

- 1 Select the news you want to read, then press **Enter**.
- 2 Press **ESC** to go back to the previous page.



When showing the headline and full article:

- 1 Press the right navigation key to go to the next news.
- 2 Press the left navigation key to go to the previous news.
- 3 Press the up and down keys to move to the next or previous page of the selected news article.

Photo

Acer Display+ functions as a digital photo frame function for browsing pictures and viewing slideshows from various sources — multi-in-1 card reader, USB and Picasa.

When setup as a small widget:

- 1 Use the up and down navigation keys to navigate pictures in the same folder.
- 2 Use the left and right navigation keys to switch folders.



- 3 Press **Enter** to show the slideshow toolbar.



- 4 Select **Slideshow** to activate the slideshow on that selected widget section.
- 5 Select **Full screen** to show full screen photo playback.



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 Note: The onscreen function bar will automatically hide itself after 30 seconds. Press any key to bring the function bar up again.

When setup as a big widget:

- 1 Use the up and down navigation keys to navigate pictures in the same folder.
- 2 Use the left and right navigation keys to switch folders.

- 3 Press **Enter** to show the slideshow toolbar. Select **Slideshow**, **Source** or **Full screen** .



When in full screen mode:

- 1 Use the left and right navigation keys to navigate pictures in the same folder.
- 2 Use the up and down navigation keys to switch folders.
- 3 Press **Enter** to show the slideshow toolbar. Select **Slideshow**, **Source** or **Full screen** .



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Note: You need to be connected to the Internet to be able to synchronize your Picasa account.

Time and Date

Use the left and right navigation keys to change time zones. Use the up and down keys to change cities.



Weather

The weather widget is synchronized with Google weather. Use the left and right navigation keys to switch countries/cities. Use the up and down navigation keys to switch between temperature scales.



Settings

Calendar

You can set up your Google calendar on the Acer Display+. Click the **Apply / Cancel** button to apply or cancel your selected settings. Click **Back** to go back to the main view.

The screenshot shows the 'Calendar' settings screen. On the left is a vertical menu with icons and labels for 'Settings', 'Calendar', 'Photo', 'News', 'Auto On/Off', 'Network', 'Time and Date', 'System', 'Language', and 'Back'. The 'Calendar' option is selected. The main area is titled 'Google Account' and contains a 'Username:' field, a 'Password:' field, and a checkbox labeled 'Notify me' with a dropdown menu set to '30 minutes before every appointment'. At the bottom right are 'Cancel' and 'Apply' buttons.

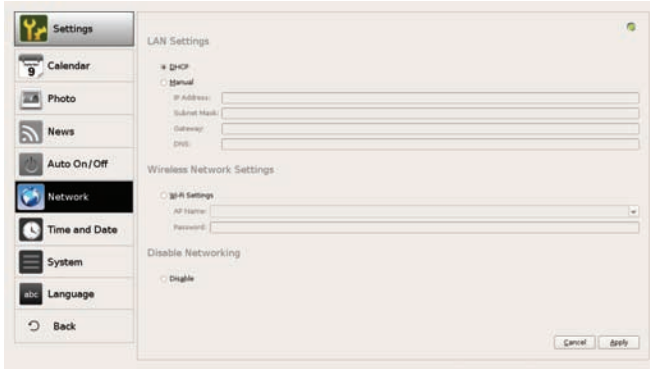
Photo

You can set up to 10 Picasa accounts and configure the slideshow effect / time period for the photo slideshow. Click the **Apply / Cancel** button to apply or cancel your selected settings. Click **Back** to go back to the main view.

The screenshot shows the 'Photo' settings screen. The left menu is the same as in the previous screenshot, with 'Photo' selected. The main area is titled 'Slideshow Settings' and includes an 'Effect' dropdown menu with options: 'Random', 'Slide', 'Blinds', 'Box out', and 'wipe from top'. Below this is a 'Time period' dropdown menu with options: '3 secs', '30 secs', '60 secs', and '5 mins'. The section 'Picasa Accounts' contains two columns of five input fields each, labeled '1' through '10', with 'Username' and 'Password' labels. At the bottom right are 'Cancel' and 'Apply' buttons.

Network

You can set up Acer Display+ to connect to the Internet via LAN or wireless network. Click the **Apply / Cancel** button to apply or cancel your selected settings. Click **Back** to go back to the main view.



Time and Date

You can set up your time and date based on the central time zones or manually. Click the **Apply / Cancel** button to apply or cancel your selected settings. Click **Back** to go back to the main view.



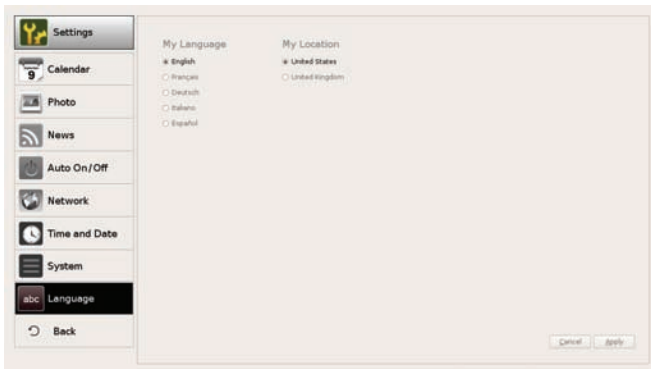
System

Change your settings back to the default, as well as adjust the volume in this section. Click the **Apply / Cancel** button to apply or cancel your selected settings. Click **Back** to go back to the main view.



Language

You can choose your preferred language under Language in the Settings page. Click the **Apply / Cancel** button to apply or cancel your selected settings. Click **Back** to go back to the main view.



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Note: Language availability varies by region.

Software update

To update your software:

- 1 Download the latest software code from <http://csd.acer.com.tw> and copy to an SD card.
- 2 Insert the SD card and follow the instructions on the pop up window.



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Important: Do not turn the display off while the update is ongoing.