

Acer LCD TV

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MGW User's Guide

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Acer LCD TV MGW User's Guide
Original Issue: September 2005

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Enjoying card reader content

The card reader module gives you the additional capacity of being able to access, view and play media files (pictures, music and video) on your Acer LCD TV.

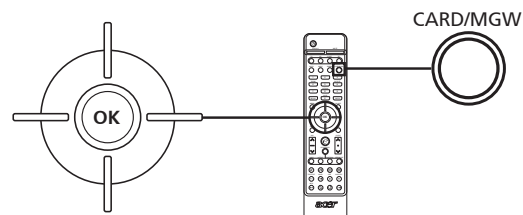
Depending on the model of your TV, the card reader is located either on the front or side of your TV set. Please see "Your LCD TV overview" on page 6 for details.

The Acer LCD TV card reader supports the following popular flash memory cards:

- Compact Flash (CF) Type 1/2
- IBM MicroDrive™
- Secure Digital (SD)
- MultiMediaCard (MMC)
- Memory Stick (MS) / Memory Stick Duo / Memory Stick Pro

MicroDrive™ is a registered trademark of IBM, Inc.

Operating the card reader



1		To access media from the card reader, first insert a media card into the slot in the front TV panel as shown to the left.
2		Press the CARD/MGW button on the remote control once to open the card reader OSD.
3		Choose the kind of card you are using from the onscreen display using the arrow keys . Press OK to select.
4		Then, using the remote arrow keys , it is possible to select the picture or music file you wish to view or listen to. Press OK to open the file.

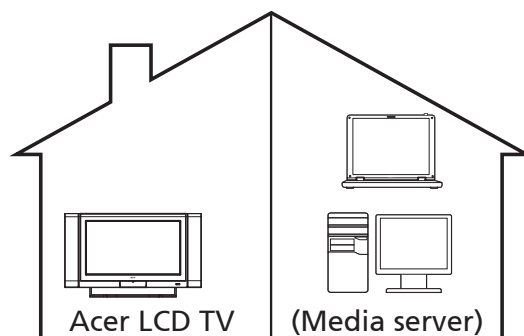


Please refer to the MGW music/video/picture sections on pages 11 to 19 for remote control functions.

Enjoying media content with the MGW

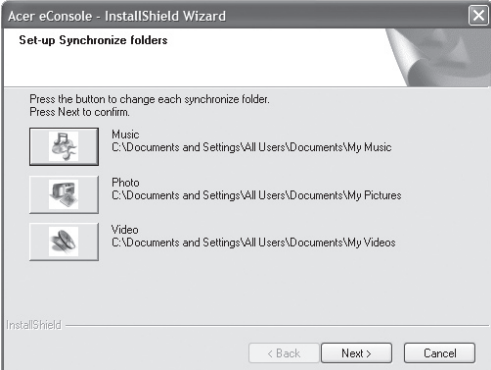
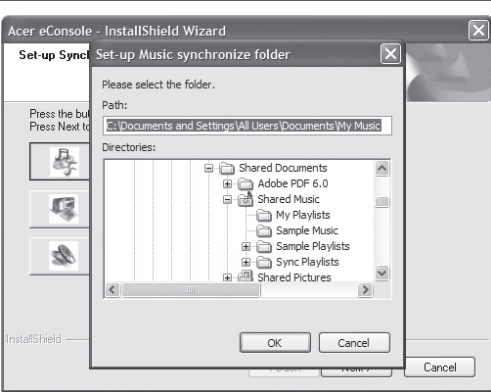
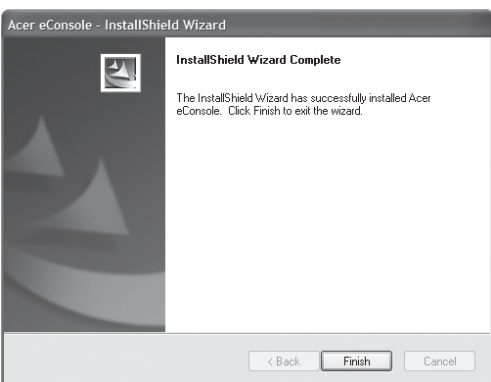
eConsole software setup

The Acer LCD TV also allows you to connect your computer and listen to music files, watch video content and view images from your computer's hard drive and online radio.



First, you need to install eConsole software on your PC. To do this, follow the instructions below.

1		To install Acer eConsole software, insert the software disk into your PC's optical drive tray. If your system is set to auto start, the InstallShield Wizard screen will appear. Select Next> to bring up the software license agreement screen.
2		Read the agreement carefully and check "I accept the terms." Then click Next> to advance to the file destination screen.
3		Select where you would like to install the eConsole files and then click Next>. The install wizard will then begin installing the eConsole software. Once finished, the "Set-up Synchronize folders" dialog box will appear.

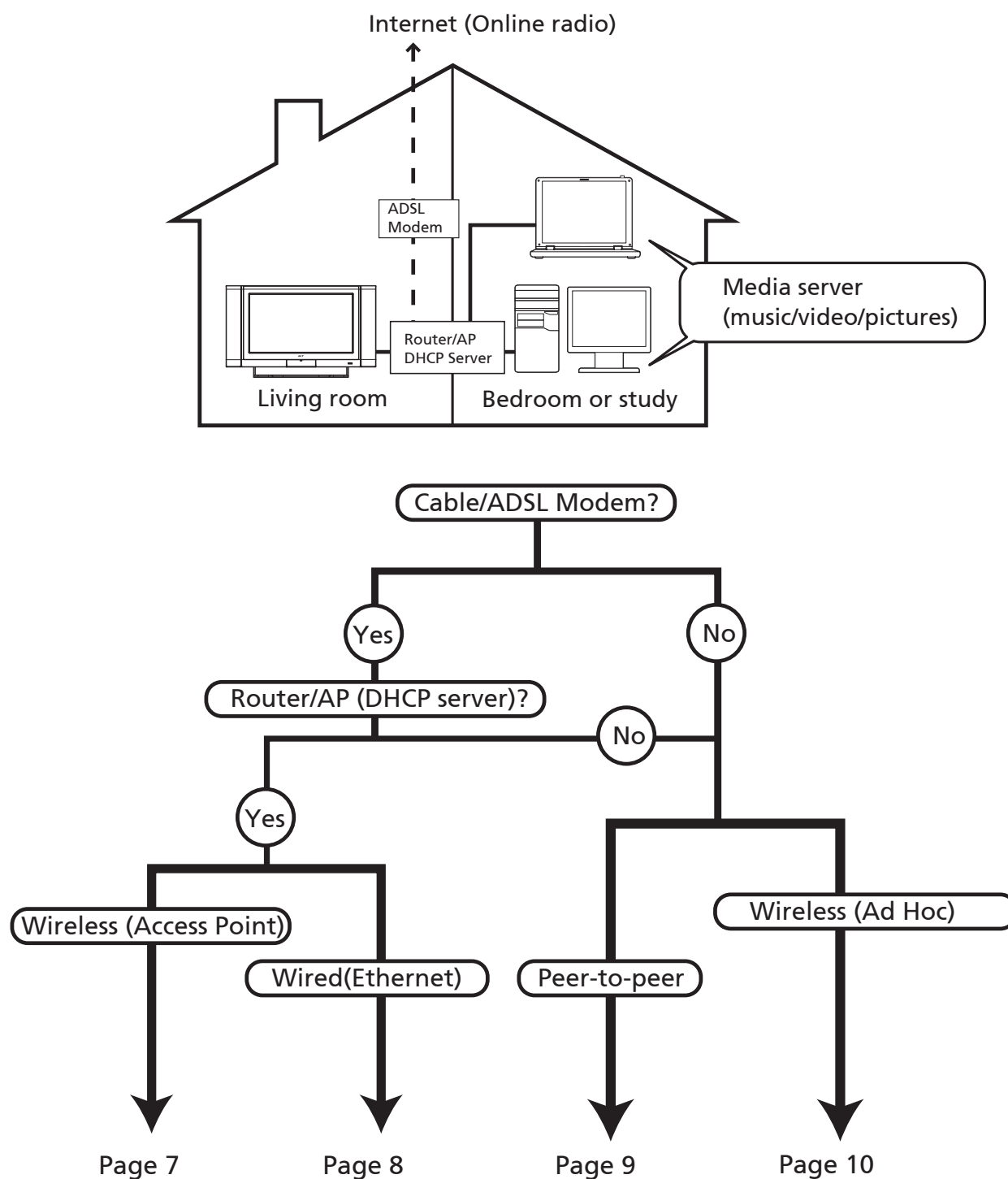
4		a. By default, the eConsole software will select the Windows designated media files (My Music, My Pictures and My Videos) to share. If the default folders are correct, click Next> to continue with the installation process.
		b. If you want to change the default settings and share different files, click on the corresponding icon and browse to select the folder you want to share. Click OK to continue. Once you have selected the folders that you want to share, click Next>.
5		When the installation process is finished, the completion screen will appear. Click Finish to close the installation software.



Now your computer is ready to share media and create playlists and favorites folders for playback and viewing on your TV. For details about how to operate the eConsole software, please refer to the User's Guide on the MGW CD.

The MGW setup

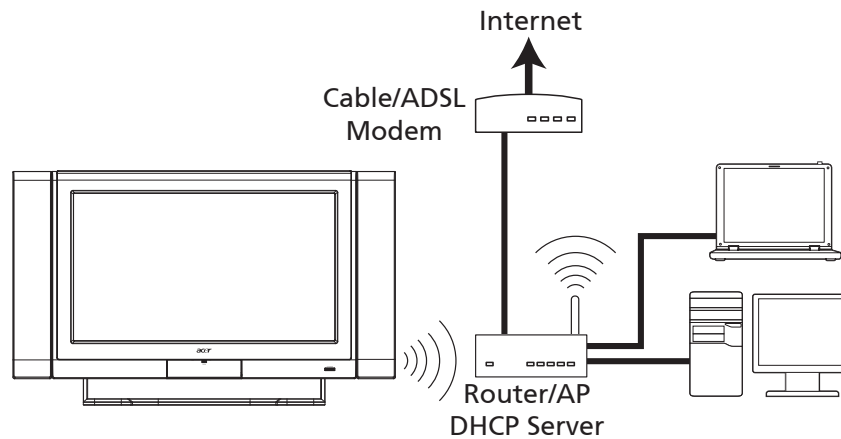
The first time you use the MGW function you will need to run through the setup to establish a link between your PC and TV.



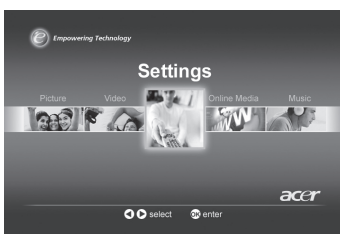
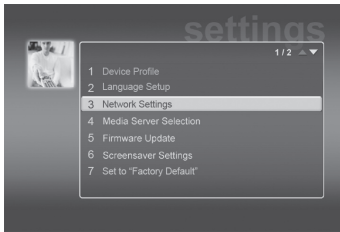
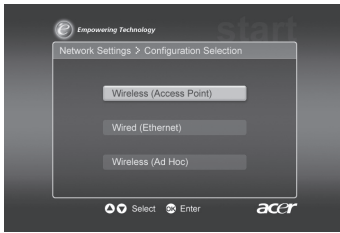
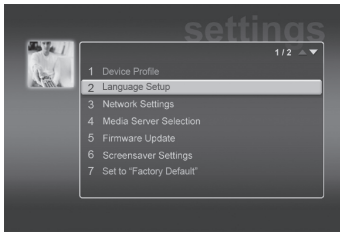
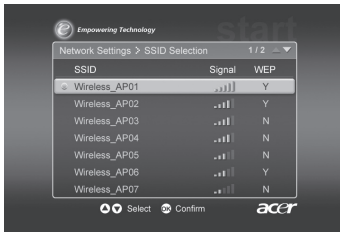
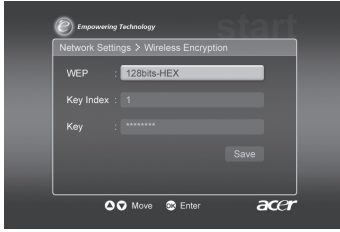
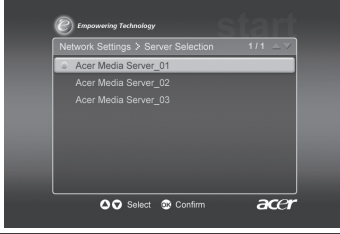
For detailed instructions about the setup and operation of the MGW, please refer to the User's Guide file on the MGW CD.

a. Connecting to a wireless network (using an access point)

To connect to your *access point* (AP), follow the instructions below:

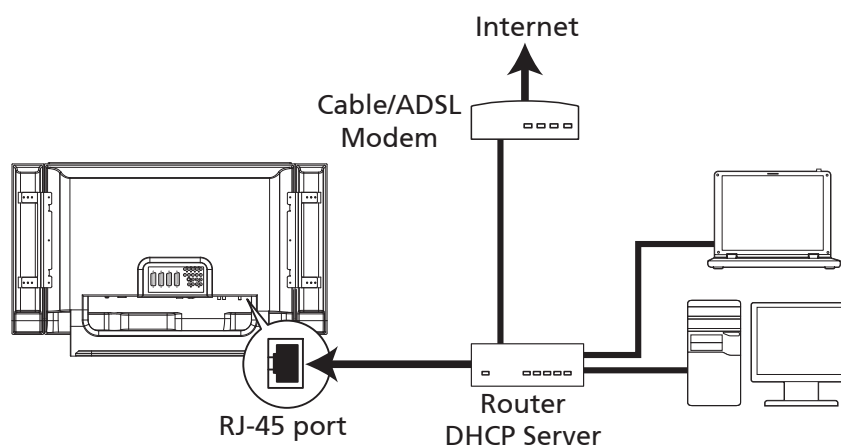


Please set up and confirm your router's SSID and WEP before setting up your MGW.

1	 	Press the CARD/MGW button to open the MGW home page. From the home page, navigate to Settings and press OK to begin the setup procedure.	4-1		Select Network Settings.
			4-2		Select wireless (access point) and press OK . The system will now search for your wireless <i>Service Set Identifier (SSID)</i> .
2		Select Language Setup from the menu.	4-3		If successful, the search will show the available access points. Choose the <i>SSID</i> of your desired access point and press OK .
3		Select your preferred language and press OK to proceed.	4-4		If <i>Wireless Encryption (WEP)</i> is required, you will be directed to the <i>encryption</i> page.
 ----- Please see the networking glossary on page 20 for an explanation of terms that are in <i>italics</i>. If you require a Mac address for advanced WLAN management, please refer to the WLAN Mac label on the back panel of your LCD TV.			4-5		If successful, you will be presented with a list of media servers. Select the media server and press OK to confirm.

b. Connecting a wired (Ethernet) network

To connect your access point, follow the instructions below:

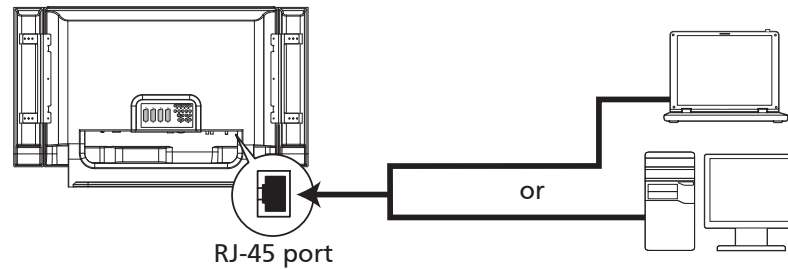


Please setup and confirm your router's IP and DHCP settings before starting to set up your MGW.

1	 	Press the CARD/MGW button to open the MGW home page. From the home page, navigate to Settings and press OK to begin the setup procedure.	4-1		Select Network Settings
			4-2		Select Wired (Ethernet) and press OK .
2		Select Language Setup from the menu.	4-3		Define the <i>IP</i> settings: a. Assign the IP address automatically (using <i>DHCP</i>).
		Select your preferred language and press OK to proceed.			b. Refer to your router's configuration for static IP settings.
Please see the networking glossary on page 20 for an explanation of terms that are in <i>italics</i>.			4-4		Once you've successfully connected to your home network, the MGW will search for, and display, available media servers. Select the media server desired and press OK to confirm.

c. Setting up a wired peer-to-peer connection

Connect your LCD TV to your PC as indicated below:



Set up PC (media server):

1		Open your Network Connections window from the Start Menu.	3		Select Internet Protocol (TCP/IP) and click the Properties button.
2		Select Local Area Connection, and click the Properties button.	4		Ensure the properties are set to Obtain an IP Address Automatically .

Set up TV:

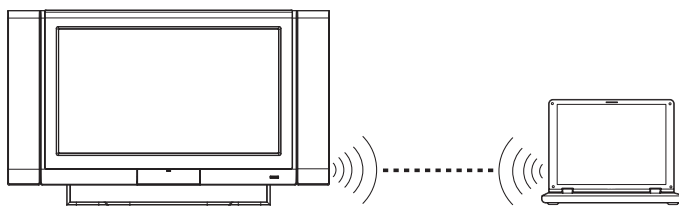
1		Press the CARD/MGW button to open the MGW home page.	4-1		Select Network Settings
		From the home page, navigate to Settings and press OK to begin the setup procedure.	4-2		Select Wired (Ethernet) and press OK .
2		Select Language Setup from the menu.	4-3		Define the <i>IP</i> settings: Assign the IP address automatically (using <i>DHCP</i>).
3		Select your preferred language and press OK to proceed.	4-4		Once you've successfully connected to your home network, the MGW will search for, and display, available media server. Select the media server desired and press OK to confirm.



Please see the networking glossary on page 20 for an explanation of terms that are in *italics*.

d. Connecting a wireless (ad hoc) network

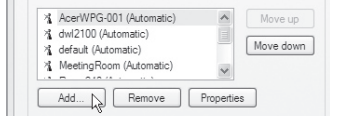
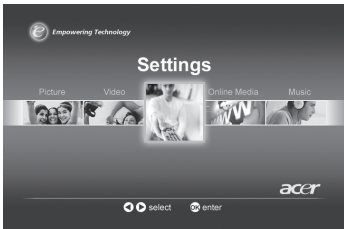
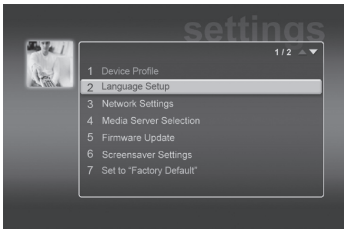
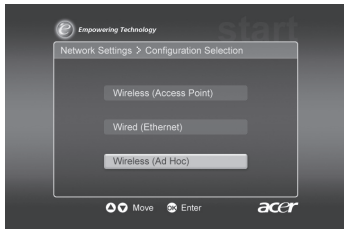
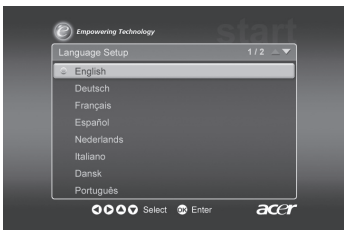
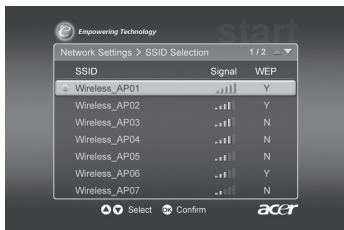
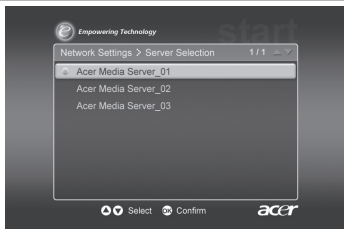
To connect your PC via a wireless network, follow the instructions below:



Set up PC (media server):

1		Open your Network Connections window from the Start Menu.	3		Click on the Wireless Networks tab, and click the Advanced button.
2		Select Wireless Network Connection, and click the Properties button.	4		Select Computer-to-computer (ad hoc) networks only and click Close to close the window.
			5		Click Add and define an <i>SSID</i> for your computer. You may also define any <i>WEP</i> settings you desire. Make a note of the <i>SSID</i> and <i>WEP</i> settings for future reference.

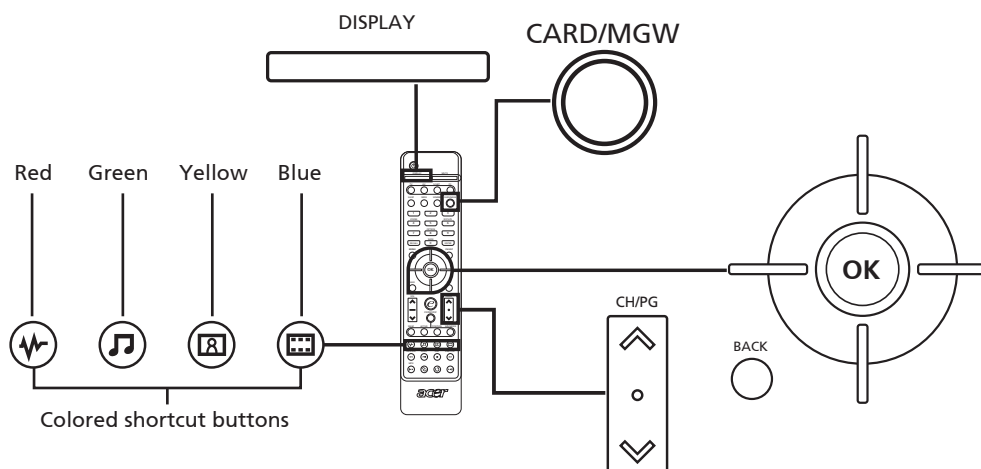
Set up TV

		Press the CARD/ MGW button to open the MGW home page.			
1		From the home page, navigate to Settings and press OK to begin the setup procedure.	4-1		Select Network Settings
2		Select Language Setup from the menu.	4-2		Select Wireless (<i>Ad Hoc</i>) and press OK . The system will now search for your wireless <i>Service Set Identifier (SSID)</i> .
3		Select your preferred language and press OK to proceed.	4-3		If successful, the search will show the available access points. Choose the SSID of your desired access point and press OK .
	Please see the networking glossary on page 20 for an explanation of terms that are in <i>italics</i> . If you require a Mac address for advanced WLAN management, please refer to the WLAN Mac label on the back panel of your LCD TV.		4-4		If <i>Wireless Encryption (WEP)</i> is required, you will then be directed to the encryption page.

Operating the MGW

Your Acer LCD TV incorporates media gateway technology to allow you to view and play your computer media files on the TV screen.

Please ensure that you have completed the installation and setup. Details can be found on page 6.



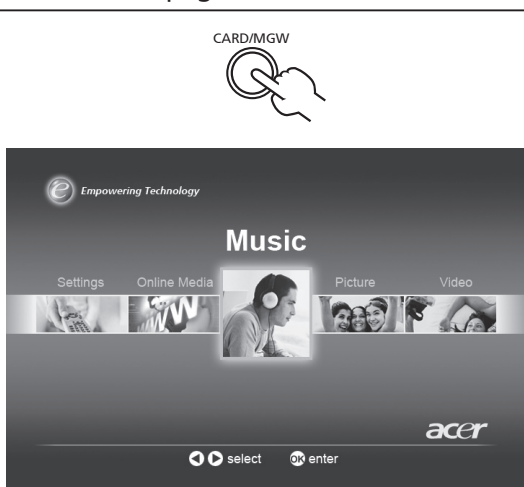
Navigating the MGW menus

To navigate around the MGW screens:

1. Use the directional keys to move between the onscreen buttons. Press **OK** to select your highlighted choice.
2. The MGW also has dedicated keys on the remote control .
3. Colored shortcut buttons are also used when in MGW mode. Functions for shortcuts are displayed at the bottom of each screen when available.

Music mode

MGW home page



a. Press the **CARD/MGW** key.

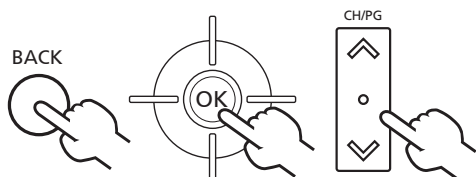
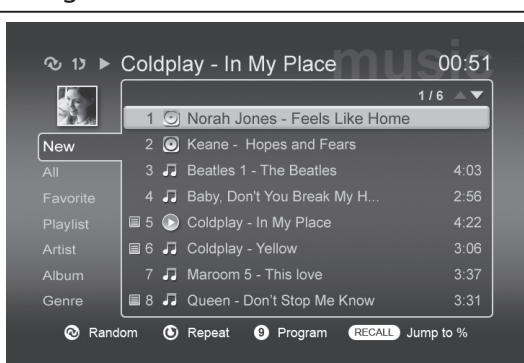
b. While in MGW mode, and with MGW as the Empowering Key default, press the **Empowering Key** to access the main page. Alternatively, press the **Music** shortcut (green) button on the remote control to access the music folder page.

Selected folder



View, and select from, the folders defined in Acer eConsole.

Using the left-hand menu



The page will automatically open with the first file listed under the "New" tab highlighted. To change the tab, press the left button on the remote control to highlight the tab, and using the up or down buttons, navigate to the tab you desire. The tabs are as follows:

New: Lists the most recently added files.

All: Lists all the files in the folder.

Favorite: Lists your favorites as defined using Acer eConsole.

Playlist: Lists any playlists you have defined using Acer eConsole.

Artist: Lists the files by artist.

Album: lists the files by album.

Genre: Lists the files by genre.

Albums are displayed using a disk icon, while a musical note icon represents a song.

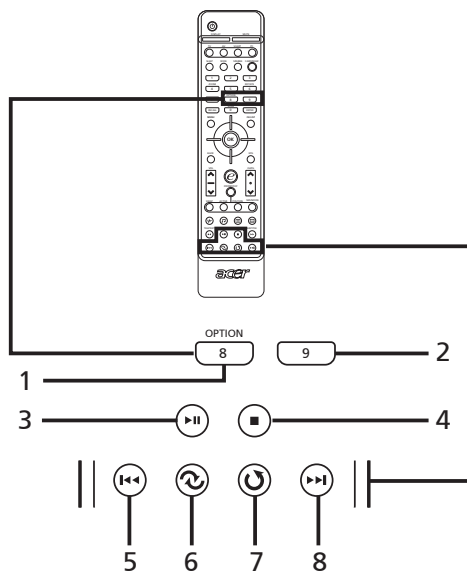
To enter and explore the contents of an album, highlight the album and press **OK**.

Playing a song



To listen to a song, highlight it using the arrow buttons on the remote and press **OK**. A green play symbol appears next to it to indicate that this is the song currently playing. To stop the song currently playing, push the **STOP** button on the remote.

Remote control shortcuts



Once a song is playing, use the shortcut buttons on the remote control.

- 1 **8 OPTION**
To delete the ad hoc playlist.
- 2 **9 PROGRAM**
Press to create an ad hoc playlist while in music mode; press **▶▶ Play** to activate this playlist.
- 3 **▶|| Play/Pause**
Press to play/pause music.
- 4 **■ Stop**
Press to stop music playback.
- 5 **◀◀ Previous**
Press to return to the previous music track.
- 6 **◀ Random**
Press to randomize selection of next song during audio playback.
- 7 **Repeat**
Press to repeat the current track. Press twice to repeat all.
- 8 **▶▶ Next**
Press to advance to the next music track.

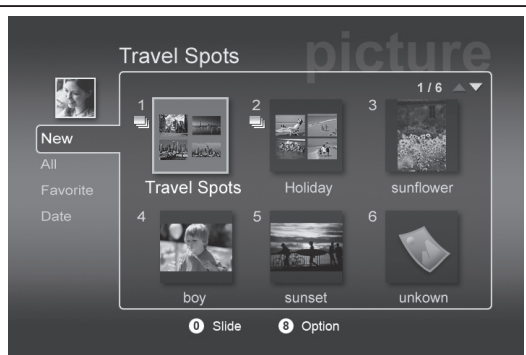
Picture mode

MGW home page



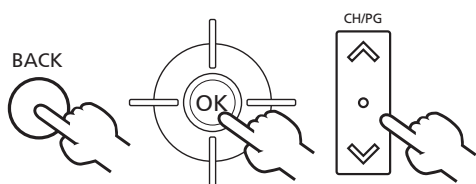
a. Press the **CARD/MGW** key.

b. While in MGW mode, and with MGW as the Empowering Key default, press the **Empowering Key** to access the main page. Alternatively, press the **Picture** shortcut (yellow) button on the remote control to access the picture folder page.



c. View, and select from, the folders defined in Acer eConsole.

Using the left-hand menu



The home page will automatically open with the first folder listed under the "New" tab highlighted. To change the tab, press the left button on the remote control to highlight the tab, and using the up or down buttons, navigate to the tab you desire. The tabs are as follows:

New: Lists the most recently added files.

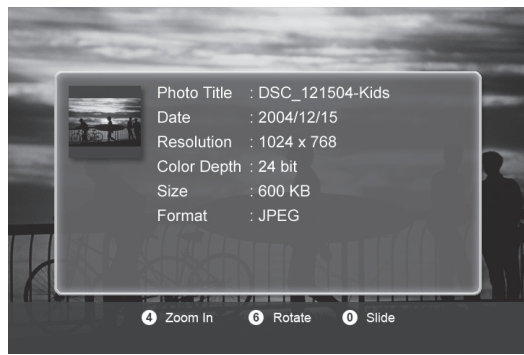
All: Lists all the files in the folder.

Favorite: Lists your favorites as defined using Acer eConsole.

Date: Lists the files by the date of creation.

Image folders have a small icon next to the reference number, and the pictures inside are displayed as mini thumbnails. Individual pictures will be displayed as single thumbnails.

Viewing pictures



To view a picture, highlight it using the arrow buttons on the remote and press OK. The picture will appear as a full-screen image.

To access the picture file information at any time, press the DISPLAY button on your remote.

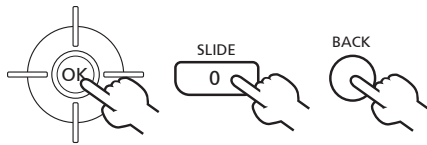
Once viewing a file in picture mode, you can use the arrow buttons to move to the next picture as they are displayed on the picture mode menu.

Example: While viewing picture one, pressing right will take you to picture two, and pressing down will take you to picture three.

Slideshows

Slideshows are a great way to view collections of your favorite pictures. They can also be viewed while listening to your choice of music to further enhance the experience.

Viewing a slideshow

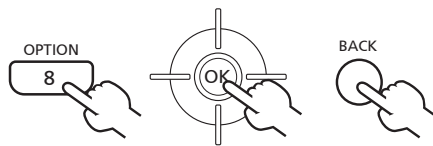


To watch a slideshow, use the arrow buttons to navigate to the folder you wish to view. Press **OK** to enter the folder, and once inside, highlight a single picture.

Press the **SLIDE/#0** button to begin the slideshow. Press **SLIDE/#0** button again to pause; press it once more to continue.

Press **BACK** at anytime to return to the picture mode page.

Editing slideshow time intervals

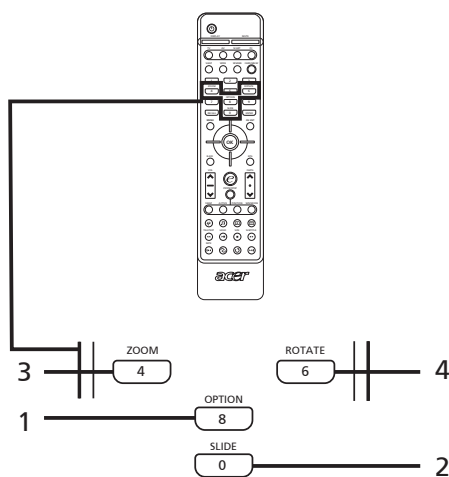


To change the time delay for each slide during a show, press the **OPTION/#8** button while you are in a picture folder. The time interval screen will appear.

Use the left button to decrease and the right button to increase the time interval. (Minimum time interval is 3 seconds and maximum is 20 seconds.) Press **OK** or **BACK** to save your settings and then exit.

Remote control shortcuts

Use the shortcut buttons on the remote control to zoom in, zoom out, rotate or start a slideshow when you're viewing your pictures.

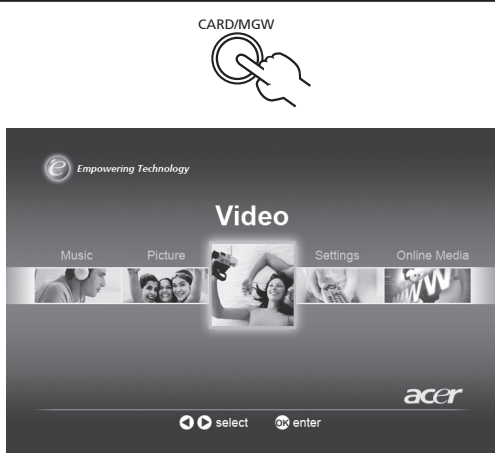


Once a picture is playing, use the shortcut buttons on the remote control.

- 1 **[8] OPTION**
Press the #8 button to show the available functions.
- 2 **[0] SLIDE**
Press to enter the slideshow mode. Press again to pause.
- 3 **[4] ZOOM**
Zoom in on the displayed picture. Keep pressing to revert to the original size
- 4 **[6] ROTATE**
Rotates the displayed picture clockwise by 90 degrees each time.

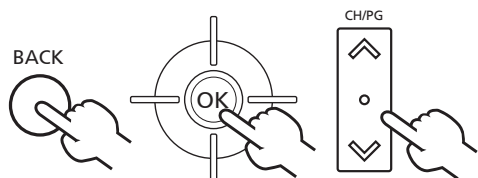
Video mode

MGW home page



- Press the **CARD/MGW** key.
- While in MGW mode, and with MGW as the Empowering Key default, press the **Empowering Key** to access the main page. Alternatively, press the **Video** shortcut (blue) button on the remote control to access the video folder page.
- View, and select from, the folders defined in Acer eConsole.

Using the left-hand menu



The home page will automatically open with the first folder listed under the "New" tab highlighted. To change the tab, press the left button on the remote control to highlight the tab, and using the up or down buttons, navigate to the tab you desire. The tabs are as follows:

New: Lists the most recently added files.

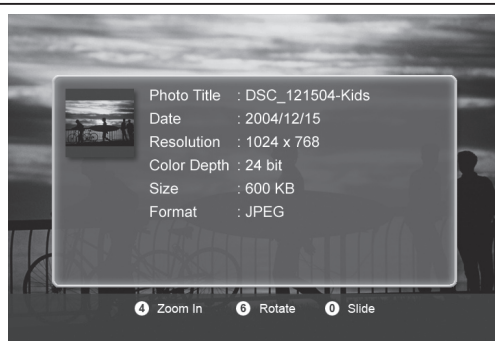
All: Lists all the files in the folder.

Favorite: Lists your favorites as defined using Acer eConsole.

Date: Lists the files by the date of creation.

Video folders have a small icon next to the reference number, and the clips inside are displayed as mini thumbnails. Individual clips will be displayed as single thumbnails.

Viewing video clips

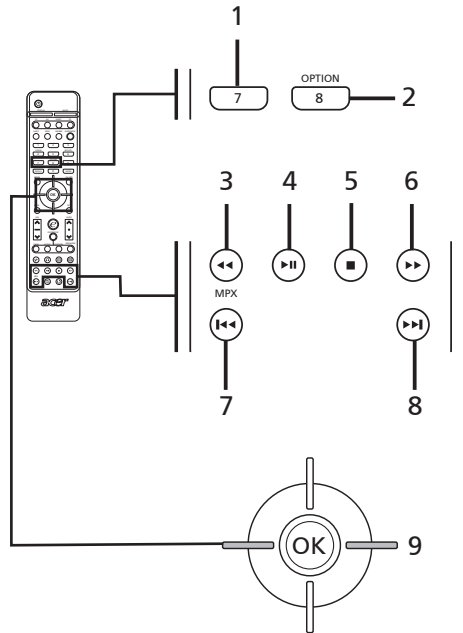


To view a video clip, highlight it using the arrow buttons on the remote and press the **OK** or **PLAY** button. The clip will begin to play. To stop the clip playback, press either the **STOP** or **BACK** buttons.

To freeze the clip at any time during the playback, press the **PAUSE** button; press it again to continue watching.

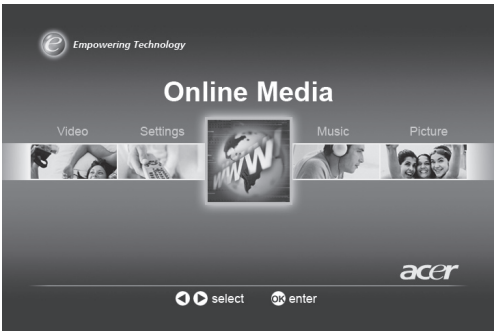
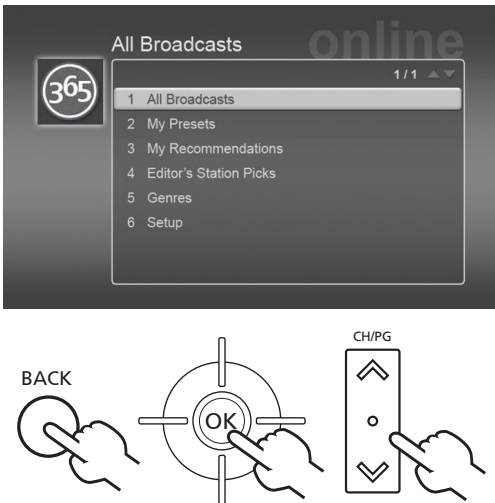
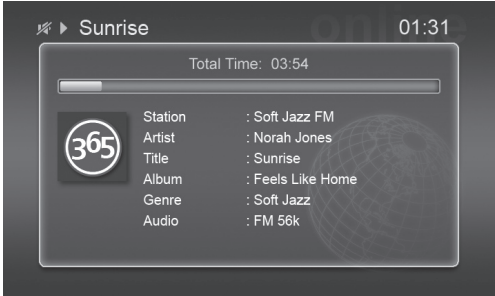
To access the video clip information at any time, press the **INFO** button on your remote control. This will bring up the information on screen.

Remote control shortcuts



- 1 **7 Sound tracks**
Press to toggle the different sound modes.
- 2 **8 OPTION**
Press to access Sound tracks and for jump by segment.
- 3 **◀◀ Rewind**
Press to rewind during video playback.
- 4 **▶▶ Play/Pause**
Press to play/pause video.
- 5 **■ Stop**
Press to stop video playback.
- 6 **▶▶ Fast Forward**
Press to fast forward during video playback.
- 7 **◀◀ Previous**
Press to return to the previous video track.
- 8 **▶▶ Next**
Press to advance to the next video track.
- 9 **Directional keys**
Press the left or right directional keys to jump to a designated position in a video clip.

Online media

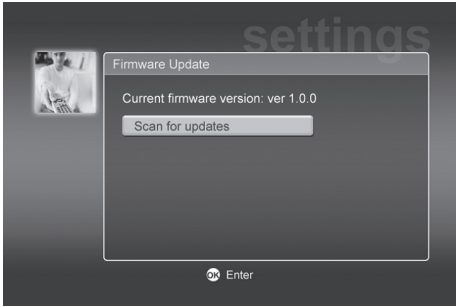
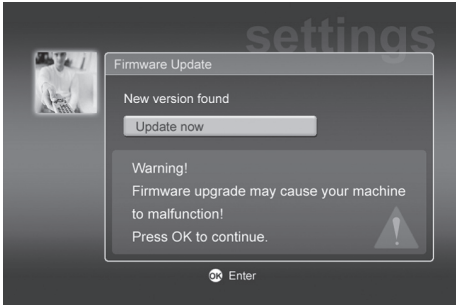
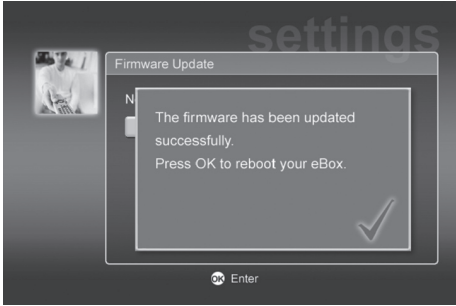
MGW home page	
 	a. Press the CARD/MGW key. b. While in MGW mode, and with MGW as the Empowering Key default, press the Empowering Key to access the main page. Alternatively, press the Online Media shortcut (red) button on the remote control to access the Online Media page.
	
	c. Make your selection from the Online Media available.
	The station information and song details will be shown on the screen as you listen.



This function only works when your LCD TV is connected to a router. For router setup, please see page 8.

Settings

Firmware updates are made available by Acer to correct software issues and/or add new features to the MGW in your LCD TV. To access the updates, your TV will need to be connected to the Internet via a home network. Follow the steps below to update the firmware.

1		Open the Settings menu on your OSD.
2		Select Firmware Update ; this will display your current firmware version. Click on Scan for updates .
3		Press OK to continue once you've reviewed the warning messages.
4		Press OK to reboot your MGW.



If you wish to change other settings, navigate to Settings from the home page, and change your settings by selecting from the options listed.

Networking glossary

802.11b/g:

Wireless networking standards that support data encryption and data transfer rates of 11 and 54 megabytes per second (Mb/s), respectively. 802.11g is backwards-compatible with the 802.11b standard.

Ad hoc wireless network:

A network where two PCs communicate on a peer-to-peer basis, without an access point or router.

DHCP (Dynamic Host Configuration Protocol):

Used by network devices to automatically obtain network address information (IP address, subnet mask, gateway, and DNS address.) Any PC with Internet Connection Sharing Software running can act as a DHCP server; alternatively you can use a router or an ISP server. If your network does not have a DHCP enabled device, then you will need to assign an IP address for your Acer LDC TV.

DNS (Domain Name System):

A system used by DNS servers to translate computer names into IP addresses. For example, www.acer.com translates into 211.79.203.2

Ethernet:

A commonly used wired network technology, ranging in speed from 10 up to 1000 Mb/s.

Gateway:

The gateway is the IP address of a device, such as a router, that connects you to another network. The router acts as the gateway between your Local Area Network (LAN) and the Internet.

Access point wireless network:

A network that uses a router, hub or an access point.

IP address (Internet Protocol address):

An IP address consists of four groups of digits separated by periods. Each group of digits contains an 8-bit value as a number ranging from 0 to 255. Each computer must have its own unique IP address. The IP addresses on your network must be within the same range and must be sequential. For example, if one device has an IP address of 192.168.1.2, the IP addresses for the other devices in the network should be 192.168.1.3 and 192.168.1.4.

Encryption key:

Encryption keys allow you to easily change wireless encryption settings to maintain a secure network. The MGW supports 64-bit and 128-bit keys.

Netmask:

Also known as a subnet mask, this is used to determine which subnet an IP address belongs to.

SSID (Service Set Identifier):

Each Wireless Local Area Network (WLAN) has a designated SSID. This can easily be changed to connect to an existing wireless network.

Static IP:

As opposed to an automatically configured IP address, a static IP address is configured manually. A static IP address must be unique and remains the same.

WEP (Wired Equivalent Privacy):

A security protocol that provides the equivalent level of wired security for wireless local area networks (WLAN). WEP encrypts data sent through WLANs.

Network encryption

WEP (Wired Equivalent Privacy): An industry-standard wireless device encryption technology. When using WEP, it is important to determine the level of encryption.

The type of encryption determines the key length. 128-bit encryption uses a longer key than 64-bit encryption.

Keys are defined by entering a string in either HEX (hexadecimal - using characters 0-9, A-F) or ASCII (American Standard Code for Information Interchange – alphanumeric characters) formats.

ASCII format is designed to make strings that are easier to remember. The ASCII string is converted to HEX for use. Up to four keys can be defined to make key changes easy. A default key is selected for use on the network.

There are five options configurable under the configuration setting: Disable, 64-bit HEX, 128-bit HEX, 64-bit ASCII, and 128-bit ASCII.

Key Index: Select a number between 1 and 4.

Key: To connect to an encrypted wireless device, the key you enter must match the device key exactly.

Key Types and Examples:

64-bit HEX: Keys are 10 characters in length.

Example: 01234567RH is a valid string of 10 characters for 64-bit encryption.

128-bit HEX: Keys are 26 characters in length.

Example: 789ABCDE123444100005271730 is a valid string of 26 characters for 128-bit encryption.

64-bit ASCII: Keys are 5 characters in length.

Example: ACERG is a valid string of 5 characters for 64-bit encryption.

128-bit ASCII: Keys are 13 characters in length.

Example: 2005GALEDWIN9 is a valid string of 13 characters for 128-bit encryption.