

# User Manual

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## 1. Introduction

Watch downloaded movies: Download and store movies on your PC then watch them on your TV from the comfort of your living room couch. No need to burn movies from your hard disk to CD or DVD, just the ease and convenience of wireless access with fingertip control. You can playback movies from online movie services and even stream movies from the Internet. The Wireless Multimedia player supports MPEG1, MPEG2, MPEG4, DivX and Xvid video formats.

Enjoy PC music anywhere at home: Stream music files from your PC and listen to them in high quality in any room on your audio system. Keep your music collection stored on your PC's hard disk. Use your remote control to select songs according to artist, album or genre. You can play songs from online music services, and even listen to Internet Radio without a PC. The Wireless Multimedia player supports WMA, MP3 and AAC-MPEG4 music formats, and so you have access to all your downloaded songs.

Share your digital photos: Relax on the couch and look at your holiday photos with the whole family or friends. Simply store your photo collections centrally on a PC and enjoy them anytime on your TV. If you have a high-definition TV input on an LCD or plasma TV, your digital photos will be brought to life!

Smart and simple: The Wireless Multimedia player is easily installed, thanks to a user-friendly step-by-step approach. All the steps needed to install it are displayed on your TV screen.

Wireless convenience: You can access multimedia content from other PCs in your house. The media manager works on most PCs, including older types. So with just one Wireless Media player you can access content on several PCs, and there's no need to copy files across. The 2.4 GHz wireless link between the Multimedia player and the PC means you don't have to lay cables or drill holes through walls.

## 1.1 Hardware

### 1.1.1 External Interfaces

- Ethernet (10/100)
- 802.11g WiFi
- USB2.0 FS HOST
- Flash card reader MS/SD/MMC/CF
- AV outputs

### 1.1.2 Video

- Composite (yellow RCA)
- SCART interface.
- Y/PbPr/YCbCr

### 1.1.3 Audio

- L/R Stereo (RW RCAX2)
- Digital audio out (Optical output)

### 1.1.4 IR input (remote control)

## 1.2 Application Features

### 1.2.1 "Browse for" and play back content stored on PCs or other DLNA server devices on the network, or from local media"

- Network content browsing dependent on DLNA media server's "presentation" of the available content
- Local content browsing (Thumb drive, Flash cards) based on simple hierarchical folder organization (file system)
- Built in radiotime internet radio and flickr photo share website.

### 1.2.2 Trick mode support

- Multi speed FF/FR/Skip ahead/Skip back
- Pause/Play/Stop
- Zoom/Rotate on photos

### 1.2.3 File Search

### 1.2.4 Photo Slideshow

### 1.2.5 Music+Photo Slideshow

#### Device setup

- Control over most aspects of device operation
- Accessed through "Setup" button on remote control
- Networking
  - Simple, intuitive - "leads" user through initial connect process
  - Prioritizes on Wired; if no Wired, then attempts to connect via Wireless
  - Automatically identifies and auto prompts user on SSID select and security key entry when connecting to a secure network
- Networking
  - Display
    - 4:3 or 16:9 format
    - PAL or NTSC
    - 480i/480p output
  - Three display/viewing modes:
    - Preview Mode.
    - Video – highlighted video file in list plays in preview window.
    - Photo – highlighted photo file in list displays in preview window, along with basic file information.

- Music – highlighted music file in list plays, with ID3 tag info displayed in preview window.
- List Mode
- Thumbnail Mode

### 1.3 Device Compatibility

#### 1.3.1 Display resolution

- Standard Definition AV processing and output (480i/480p)
- NTSC or PAL

#### 1.3.2 File format support

- Files can be from USB, Flash cards, or over the network. Only caveat is some network media servers limit what file types they make available.

- Video

- MPEG1/MPEG2/MPEG4(SP)/MPEG4(ASP)/ MJPEG

- DIVX(3.x,3.x,5.x,6.0)/XVID(include GMC and QPEL)
- Audio

- PCM/WAV/MP3/AAC

- Pictures

- JPEG (max. 5120x3840)

- BMP/TIF/GIF/PNG(limited size)

#### 1.3.3 DLNA Media Player

- Network Protocols

- TCP/IP stack

- HTTP streaming

- UPnP

- IP Addressing

- \* DHCP

- \* Static IP

- \* Auto IP

- DLNA v1.0 player/control point

- \* Works with DLNA-compliant Media Servers

- \* Tested with Microsoft WMP11, WMP10+WMC2.0, Philips PMM, and TwonkyVision

- \* Can interoperate with up to 8 servers at the same time

#### 1.3.4 Networks

- 802.11 WiFi

- .11g or Super .11g (can optionally support 802.11a)

- WEP or WPA2 security

- 802.3 Ethernet

- Supports 10/100 connectivity to either 10 Mbit or 100 Mbit networks

### 1.4 Subtitle Support

#### 1.4.1 DMATool use guide:

1. Run DMATOOL.EXE
2. Click MENU subtitle, click SUBMENU select(or PRESS Ctrl+O),the "Select Subtitle file" window will be show.
3. Click open button. show "open file" dialog
4. select single subtitle file
5. The list1 will be show the selected files. Press >> to confirm selected item.
6. Press Converter button

7. The subtitle file will be converted to AVI file.

For example: Movie001.srt to Movie001\_srt.avi

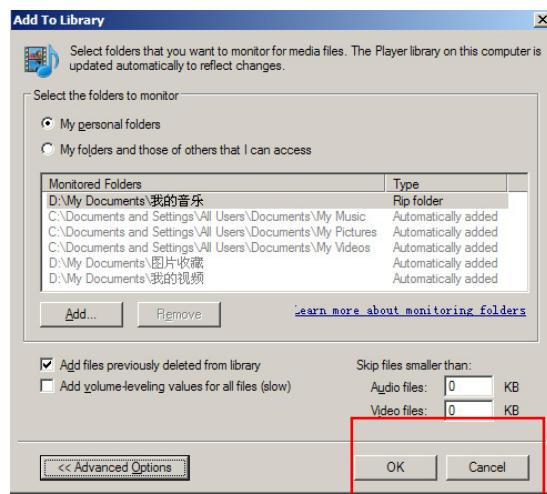
#### 1.4.2 Windows Media Player11 setup:

1. Click Menu Library, click SUBMENU Add to Library.

2. Then click Advanced Option.



3. Set "skip files small than" as 0 KB



4. Click OK to quit.

#### 1.4.2 DMA unit operation:

1. Select subtitle file



2. Press Subtitle key to make sure subtitle file be selected.

3. Select video file(MOVIE001.avi) to play.

4.OK!  
**2. Terminology**

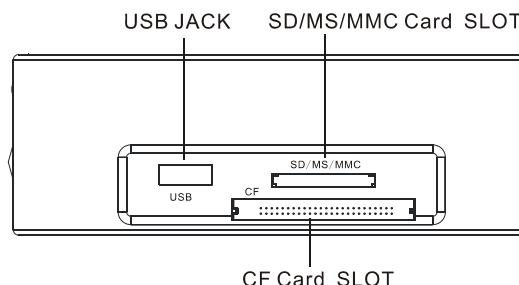
A/V	Audio/Visual
EN	Ethernet
EN cable	10/100BaseT En patch cable(straight through type)
MAC	The unique 12 character hexadecimal address of an
EN device	
NC	No Connection
O/S	Operating System
PC	Pentium based Personal Computer running XP O/S
PCA	Printed Circuit Assembly
PCB	Print Circuit Board
R/C	Remote Control (infrared)
RGW	Router Gateware
WiFi	802.11a/b/g/n Wireless Ethernet

**3. DMA Overview**

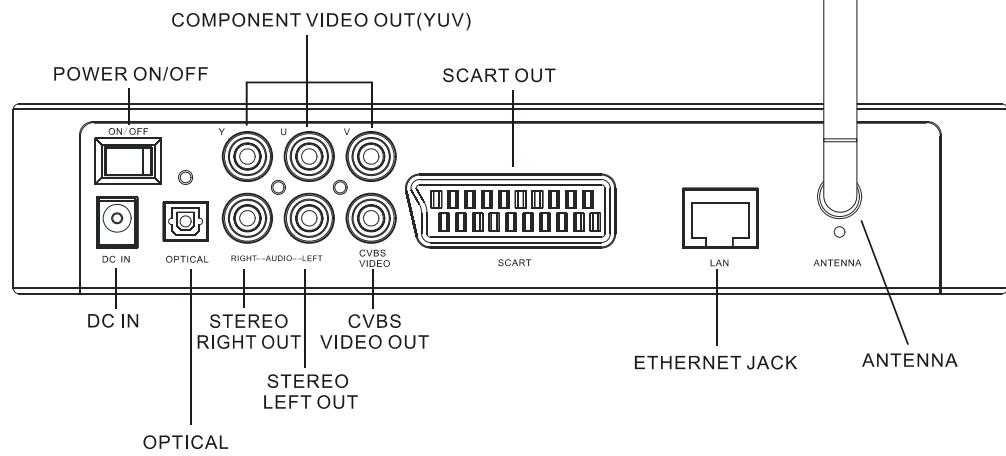
Front View:



Side View:



Back View



## 4. The A/V Streaming System

### 4.1 Reference Design

The reference system includes the following components:

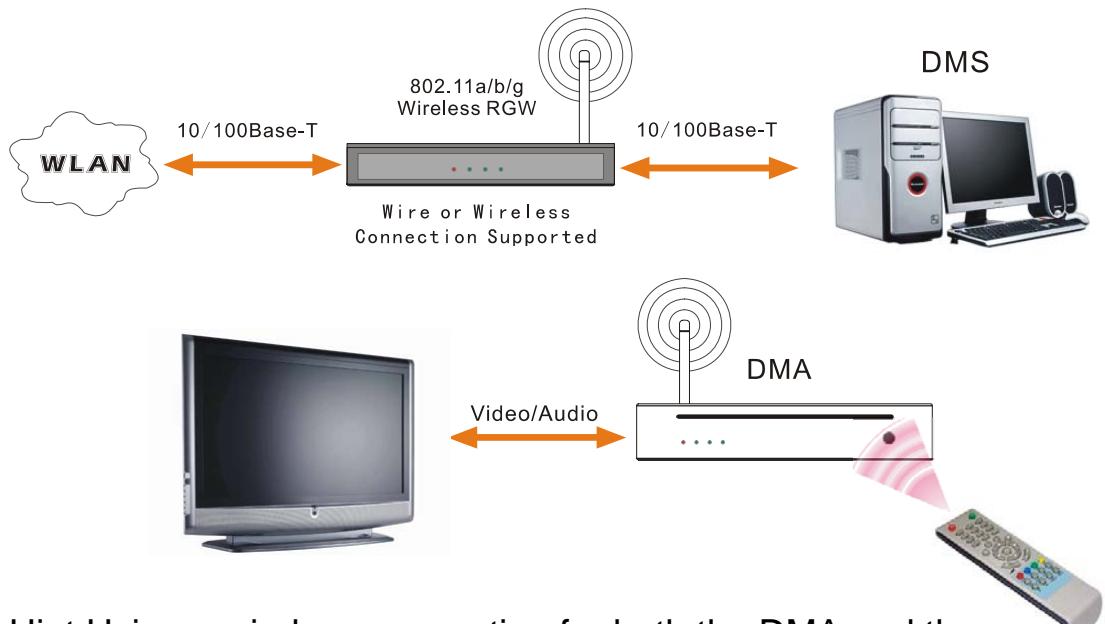
- DMP Unit
- Remote Control with 2 AAA battery
- 12V DC Power Adapter
- Wifi Mini PCI card
- Built in Wifi antenna
- AV cable

### 4.2 A/V System Overview

The typical A/V Streaming system requires the following equipment:

- 802.11b/g compatible wireless router with 10/100 Ethernet port(s)
- A PC running XP Home or Professional Operating system
- Microsoft Digital Media Server (DMS) software installed on the PC
- NTSC or PAL Display/TV with Composite video inputs

Typical Digital Media Player System



➤ Hint: Using a wireless connection for both the DMA and the Server PC doubles the media data traffic over the connection. While this rate is achievable with 802.11b/g technology in ideal conditions, it can cause undesirable interruptions in some movie viewing situations. To avoid this, use a wired network connection between the Server PC and the wireless RGW. Alternatively, a wireless 802.11 AD HOC connection

can be set up directly between the PC and the DMA.

## 4.3 DMS Software Installation

Your PC requires software to act as a media server using UPnP protocols.

Many other DLNA compliant UPnP Media Server software products are Supported. Follow the installation directions provided with that software.

**Note: The OS version of computer must be windows XP SP2 or above.**

### 4.3.1 Download and install Windows Media player 11

**IMPORTANT:** The DMA uses your wireless network and Windows Media player 11 to access the pictures on your computer. If you do not have Windows Media player 11 on your computer, or you have an earlier version, the software CD packed with your DMA automatically lets you install Media player 11.

Begin the download. You must be connected to the Internet.

If you already have Windows Media player 11, or higher, on your computer. Go to [set up media sharing](#).

[1] Let me install Windows Media player now

[2] Your browser opens and you are automatically connected to the Microsoft Windows Media player download page.



[3] Click **Download NOW**.

Do not close the Windows Media player installer window during the installation.

**TIP**—if an error screen appears, click OK on the error, then click Cancel on the Digital Picture Frame Installer screen. Restart the installation by ejecting the CD and reloading it.

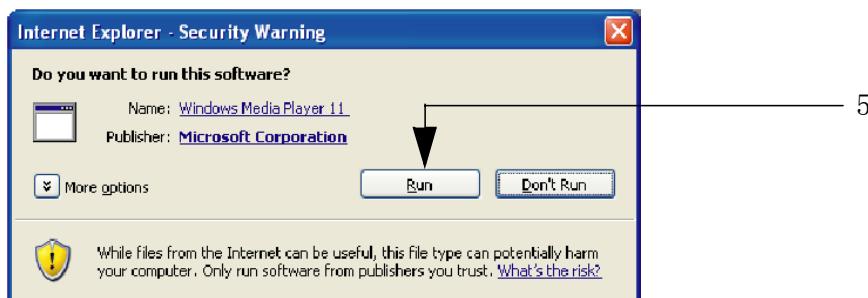
Continue with the download of Windows Media player 11.



[4] Click **Run** to start the download.

The download usually takes less than a minute with high-speed Internet access. Dial-up connections take longer.

A progress screen appears as the installation files are downloaded to your computer. TIP—if the progress screen does not appear, click **Click here** if your download did not begin



[5] Click **Run** again.

A progress screen appears as the installation files are extracted on your computer.

[6] In the Validate your copy of Windows screen, click **Next** to confirm that you have a valid copy of Microsoft Windows operating system.

[7] In the Thank you screen, click **I accept** to accept the supplemental license for Windows Media player 11.

The installation begins. A progress screen appears and monitors the installation. The Windows Media player 11 Welcome screen opens.

#### 4.3.2 Set up Windows Media player 11

Windows Media player is installed! Now choose your settings.

[1] On the Welcome screen, select Custom Settings . We strongly recommend that you select Custom Settings If you choose Express settings, the setup will take significantly longer (up to an hour).

[2] Click **Next**.

[3] In the following setup screens (Select Privacy Options; Customize the Installation Options; Select the Default Music and Video Player ), we recommend that you accept all options as they are presented, and then click **Next**.

[4] If the Choose an Online Store screen appears select, Don't set up a store now. We strongly recommend that you. Do not choose to set up a store now. If you do, the setup will take significantly longer (up to an hour).

[5] Click **Finish**.

A progress screen monitors the setup. When the setup is complete, Windows Media player 11 opens and displays available media files.

#### 4.3.3 Share media in Windows Media player 11

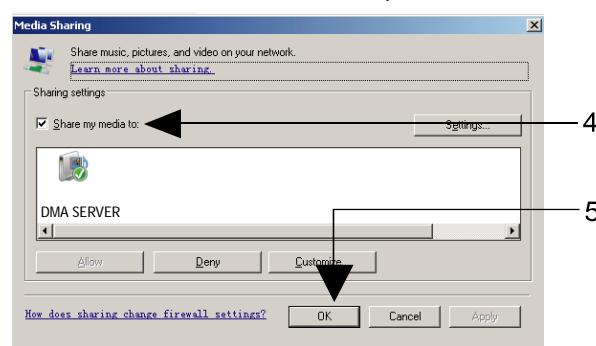
Set up Media Sharing so your frame and Windows Media player recognize each other.

[1] Open Windows Media player 11 (if you already had Windows Media player 11 Installed and bypassed the installation.

[2] Click the Library button in the top menu bar.



[3] Select Media share from the drop-down menu.

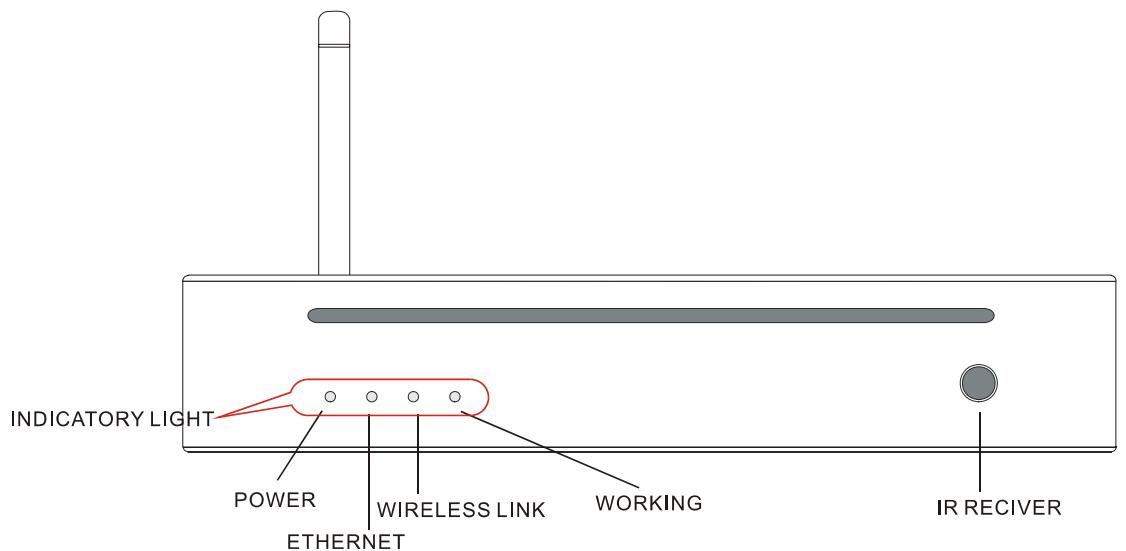


[4] In the Media Sharing screen, select Share my media.

[5] Click **OK**.

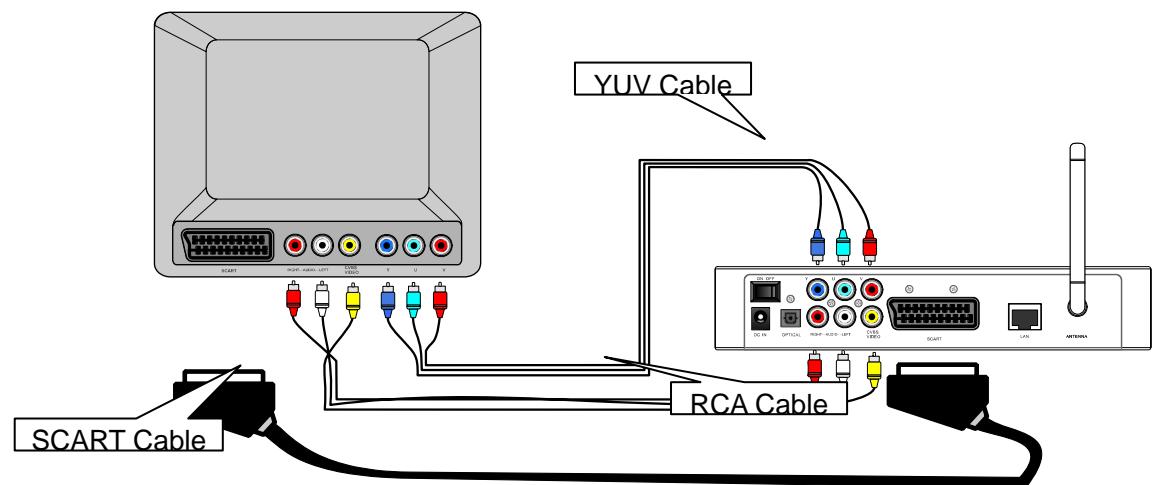
## 5. DMA Setup

### 5.1 Indicators

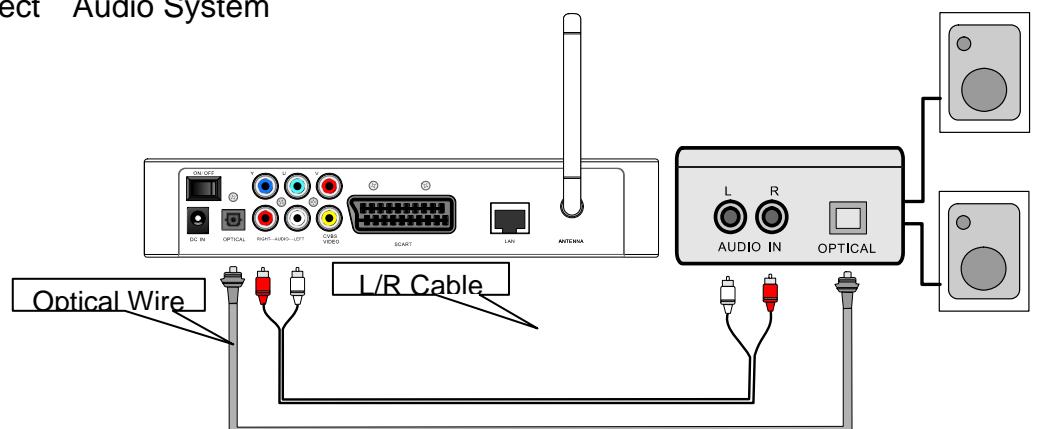


## 5.2 Cable connection

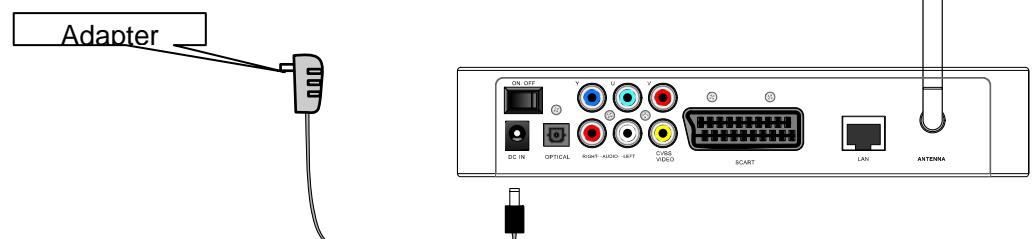
### 5.2.1 Connect TV



### 5.2.2 Connect Audio System



### 5.2.3 Plug Adapter



### 5.3 Memory cards

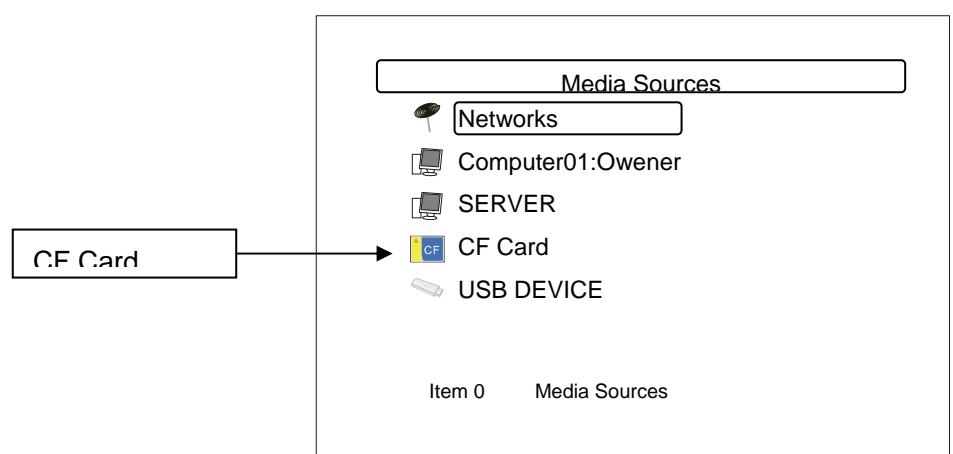
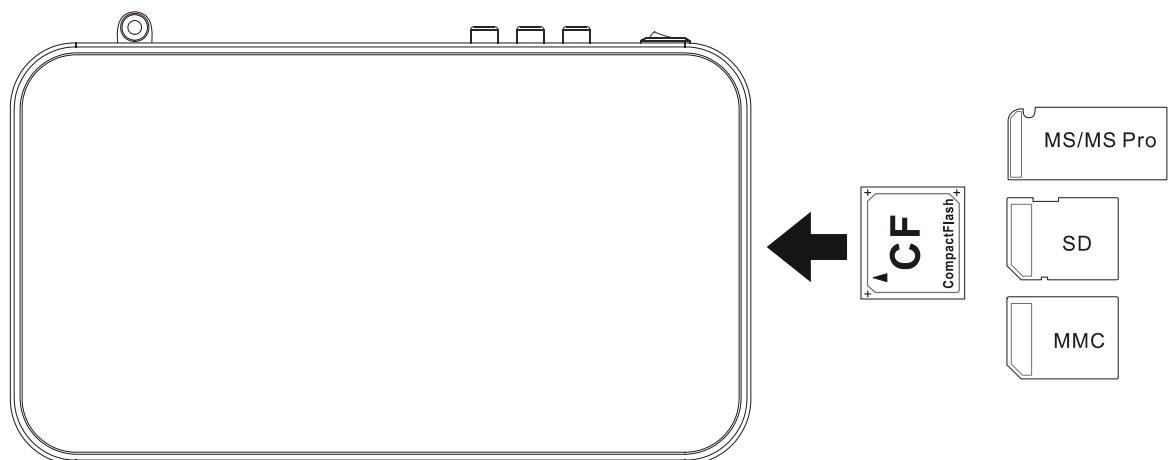
Memory Card Support – Many popular memory cards are supported:

- CF - Compact Flash I and II Type
- SD(TM) - Secure Digital Card
- MS - Memory Stick(R)
- MS Pro - Memory Stick PRO(R)
- MMC - Multimedia Card(TM)

You will find that most cameras have CF, SD, MS or MMC formats.

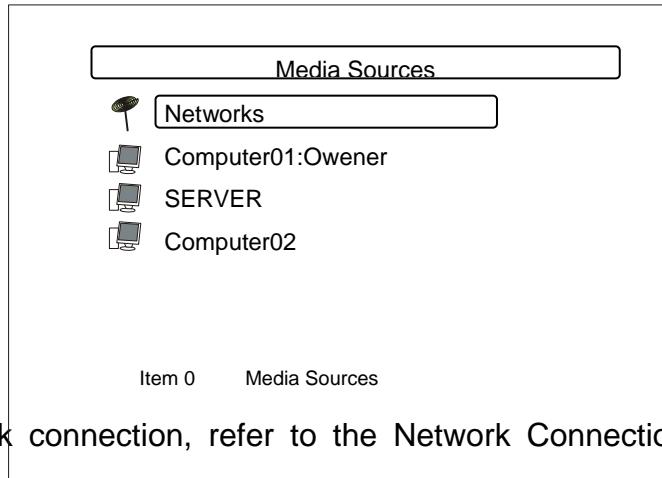
SD slot	CF slot
  	
MS/MS Pro/SD/MMC	COMPACT Flash (Type I & Type II)

Content can be audio, photo or video, and will appear in the Media Sources list once the memory card is inserted and recognized.



## 5.4 Power up

Connect the DMA power adapter. Power on the display, and point the remote control towards the front panel of the DMA unit and press the POWER button on the R/C. When on servers are available or set up, the display will appear as follows:

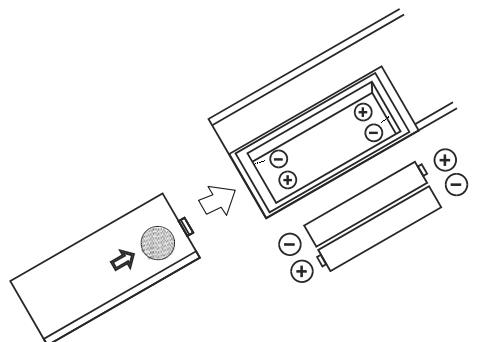
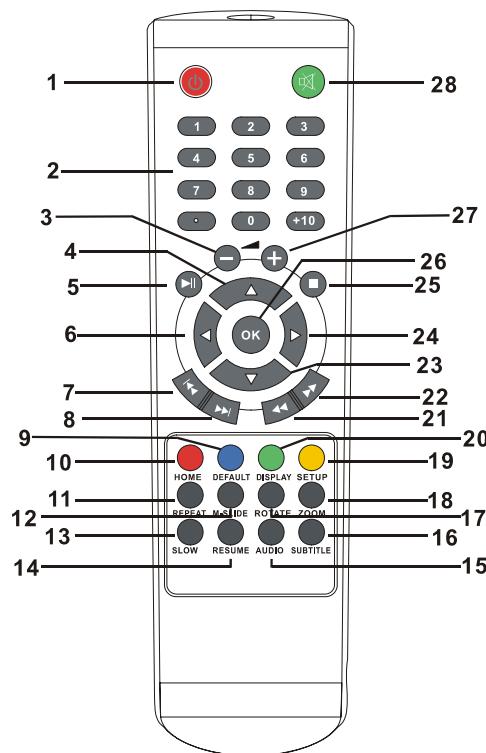


To set up the network connection, refer to the Network Connection Setup section.

The DMA unit provides memory card support. If a memory card with content is installed, it will be identified in the Media Sources display.

## 5.5 DMA Remote

The DMP Remote control (R/C) uses infrared so it must be aimed toward the front of the DMP enclosure. The remote has the following keys and functions for navigating the Setup interface



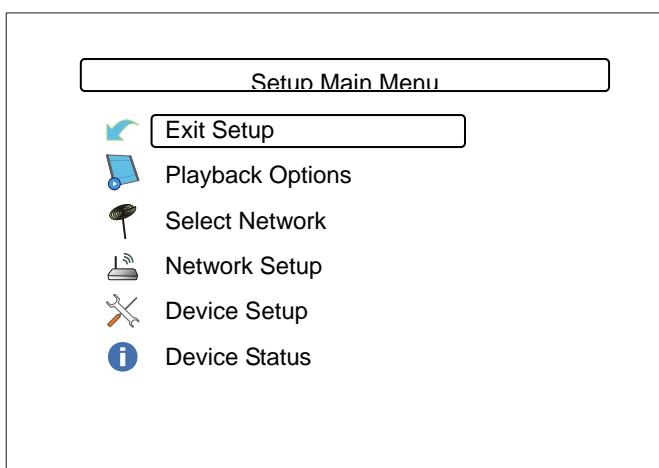
To use the remote control unit to operate the DMA player, insert two batteries (size AAA) making sure that the + and - ends of the batteries are matched to the +/- marks printed inside the battery compartment.

ITEM	KEY ID	DESCRIPTION	ITEM	KEY ID	DESCRIPTION
1	POWER	Power device on/off	15	AUDIO	Toggles between available audio languages
2	Digits	0-9:Press to enter number directly	16	SUBTITLE	This button toggles between available subtitle languages
3	VOL-	Decrease volume	17	ROTATE	Rotate the photo display
4	UP	Cursor up/ move up one entry	18	ZOOM	Zoom video or photo
5	PLAY/PAUSE	Play or pause a file	19	SETUP	Enter SETUP menu
6	LEFT	Cursor left/ Skip up one page or top of top page	20	DISPLAY	Toggle time counter on/off
7	PREV	Go to previous file	21	REV	Fast reverse
8	NEXT	Go to next file	22	FWD	Fast forward
9	DEFAULT	Restore setup setting as default setting.	23	DOWN	Cursor down/ move down one entry
10	HOME	Return to main menu	24	RIGHT	Cursor right/ Skip down one page or bottom of last page
11	REPEAT	Select repeat mode	25	STOP	Stop playing
12	M-SLIDE	Enable slide show mode	26	OK	Confirms selection of an item in the menu
13	SLOW	Press SLOW during playback to obtain a slow motion playback	27	VOL+	Increase volume
14	RESUME	Remember where you stopped viewing a media file and press the key to resume play at that point	28	MUTE	Mute volume

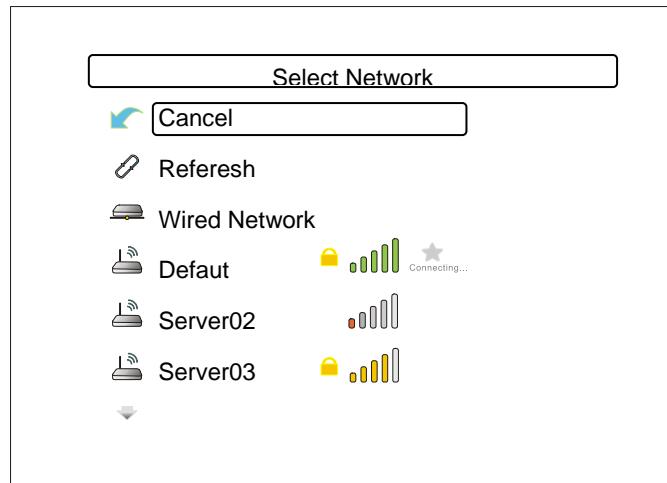
## 6. Operation Setup Section

### 6.1 Wired Setup

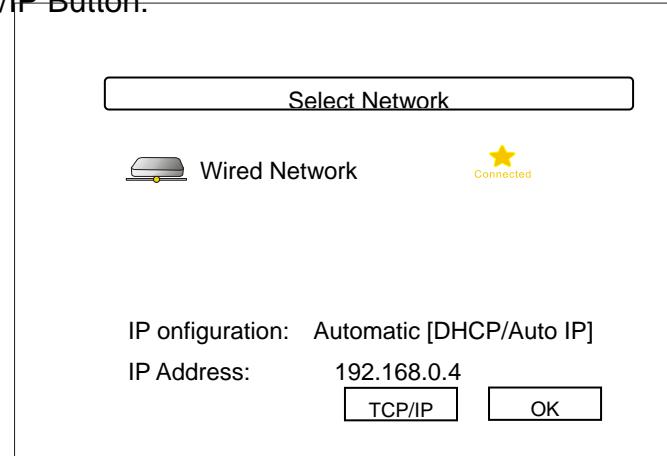
If you are using a wired network connection, and your network router system is set for DHCP mode, there is no need to change any Network Settings. If using Static IP mode, press SETUP key on the remote control to navigate to the Setup Main Menu screen.



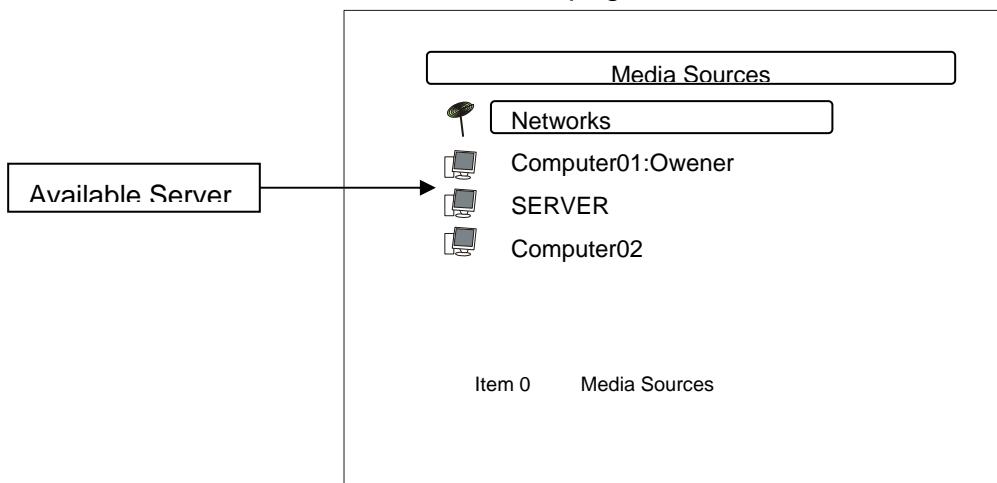
Press the Down Arrow key to highlight the Wired Network line and press OK.



The following screen indicates the current IP settings. To change these settings, select the TCP/IP Button:



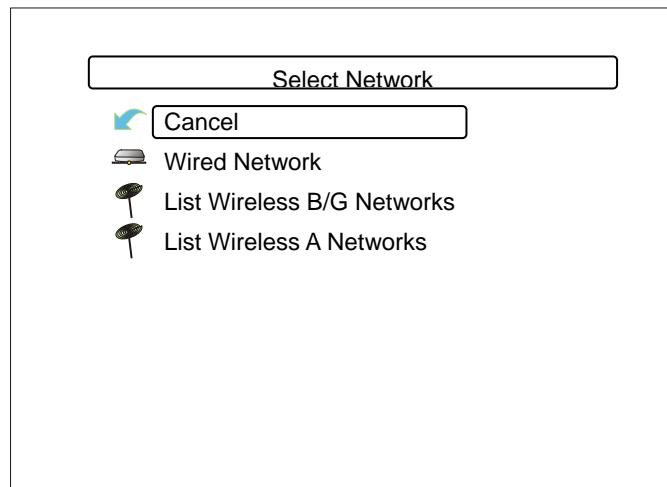
Once connected, available server(s) active on the network will be displayed below the "Networks" line on the Media Sources page.



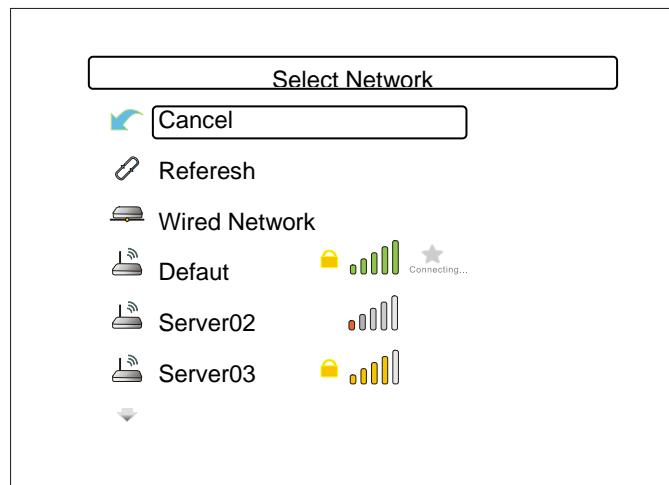
NOTE: Some servers require newly discovered DMA devices on the network to be authorized. Check the server software interface on the PC to make sure the new DMA device has been properly authorized.

## 6.2 Wireless setup

To setup a wireless network connection, from the Network Setup screen select the Wireless Type A or B/G by moving the cursor down to the desired Wireless network type and press OK:

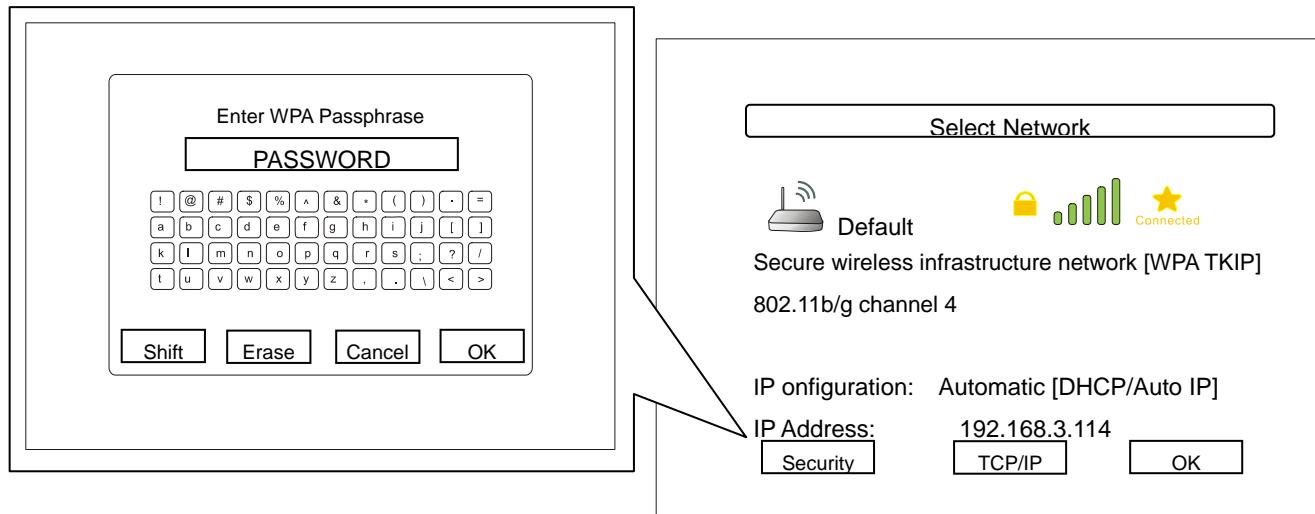


The DMA will search for available advertised Network names and display the mass own. Move the cursor highlight down to the desired Network name and press OK:

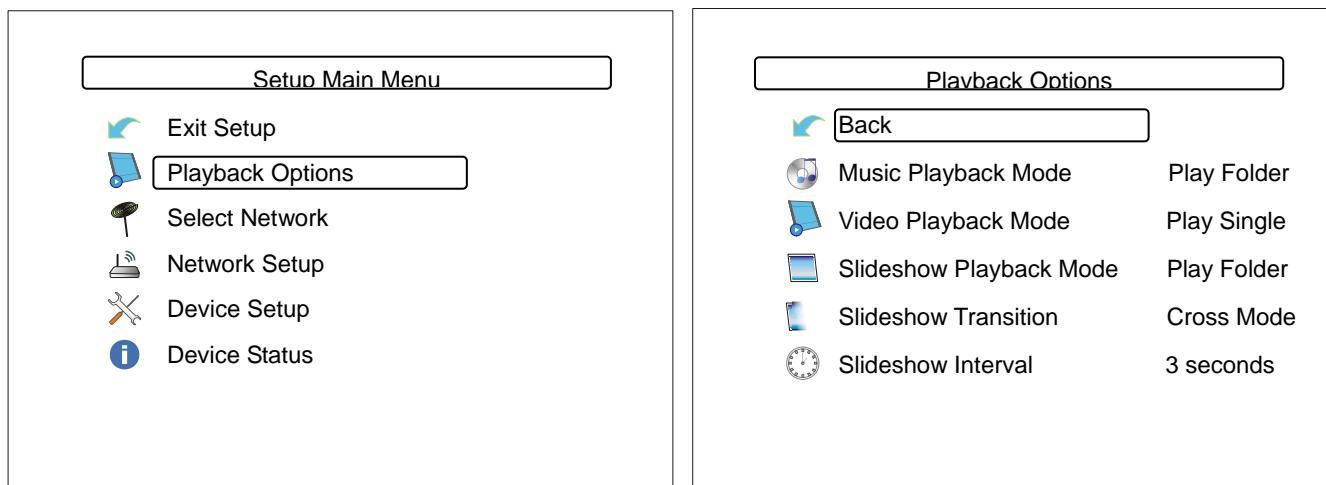


Note: The previously used network will appear at the top of the list.

If the selected wireless network has security enabled the Pass-phrase entry screen will popup where you may enter the pass-phrase. Alternatively, selecting the SECURITY button will bring up the Pass-phrase entry screen. Enter the Pass-phrase character string and highlight OK button and press OK key.



### 6.3 Playback Options



#### Music Playback Mode

There are four available settings: ①Play Folder ②Play Single ③Repeat Folder ④Repeat Single

#### Video Playback Mode

There are four available settings: ①Play Folder ②Play Single ③Repeat Folder ④Repeat Single

### Slideshow Playback Mode

There are two available settings: ①Play Folder ②Repeat Folder

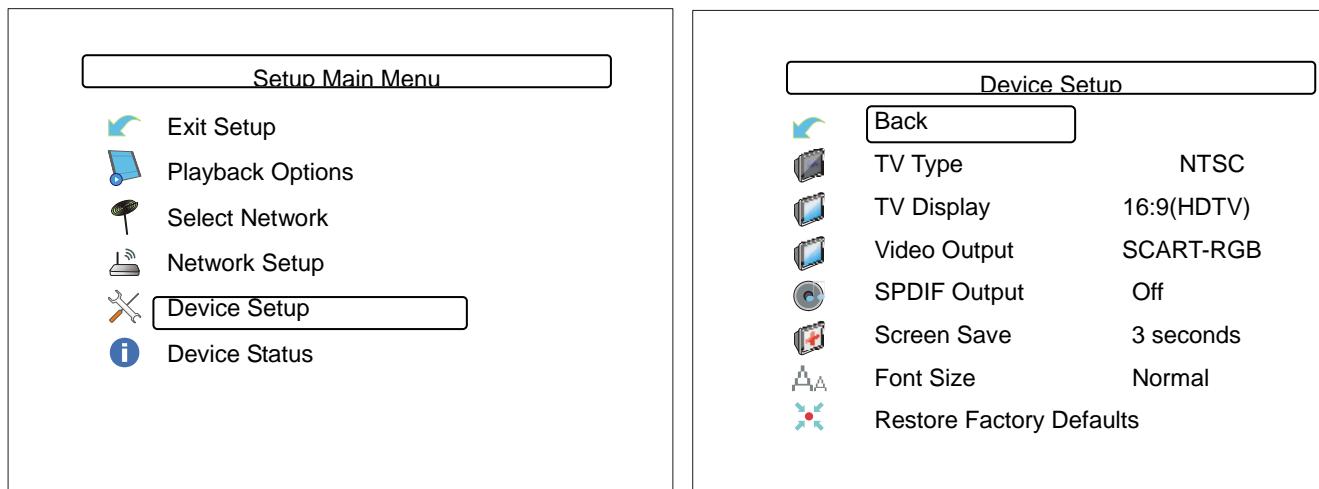
### Slideshow Transition

This unit is setting the JPEG file slide show mode, as shown below: ①Full Screen ②Top to Bottom ③Bottom to Top ④T/B to Center ⑤Center to T/B ⑥Blind: Top to Bottom ⑦Left to Right ⑧Right to Left ⑨L/R to Center ⑩Center to L/R ⑪Implode ⑫Blind Left to Right ⑬Cross Fade ⑭Random

### Slideshow Interval

This unit is setting interval time among the showing picture to next picture on slide show mode, as shown below: ①1 Second ②3 Seconds ③5 Seconds ④10 Seconds ⑤Manual Transition

## 6.4 Device Setup



### TV Type

There are three available settings: ①Mutisync ②NTSC ③PAL

### TV Display

There are three available settings: ①4:3 Full Screen ②4:3 Letter Box ③16:9 (HDTV)

### Video Output

There are two available settings: ①YCbCr ②SCART-RGB

### SPDIF Output

There are three available settings: ①Off ②SPDIF/RAW ③SPDIF/PCM

⇒ SPDIF/RAW:

Set to this selection will output the raw bit stream signal of Dolby® Digital or DTS from the optical jack. In order to enjoy Dolby® Digital DTS media files, this unit's digital output jack must be connected to the digital-input jack of a Dolby® Digital or DTS compatible receiver or processor.

⇒ **SPDIF/PCM:**

PCM stands for Pulse Code Modulation and is digital audio. Connecting this unit to an amplifier with a built-in D/A converter can play the same digital audio format media files. Additionally, 2-channel analogue audio will output from the audio output jacks of amplifier.

### **Screen Saver**

There are four available settings: ①Never ②3 Minutes ③5 Minutes ④15 Minutes

### **Font Size**

There are two available settings: ①Normal ②Small (HDTV)

### **Restore Factory Defaults**

When you select this item and press OK key, then all the initial settings will be restored to the factory default settings.

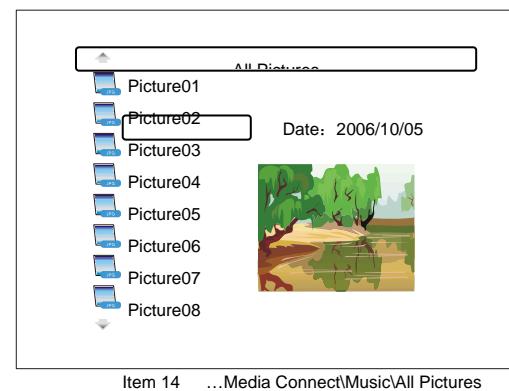
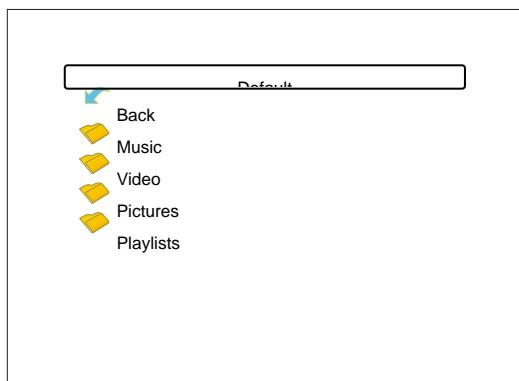
## **7. Content Navigation Modes**

Once a content source is selected, the directory format presented is determined by that source. Use the remote control (R/C) cursor keys to navigate through the content directories. The content can be displayed in List Mode, List/ Preview Mode or Thumbnail mode. These display form at modes are selectable by pressing the DISPLAY key.

Preview Mode LIST MODE Thumbnail Mode

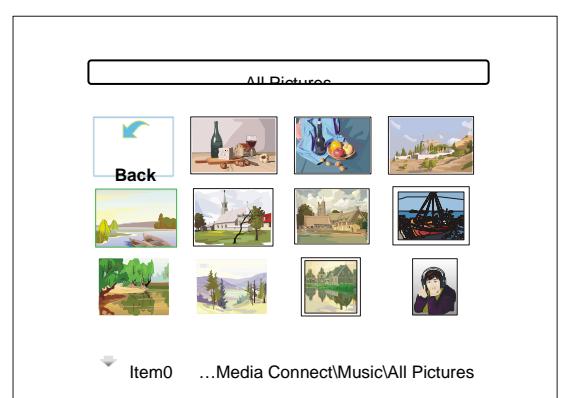
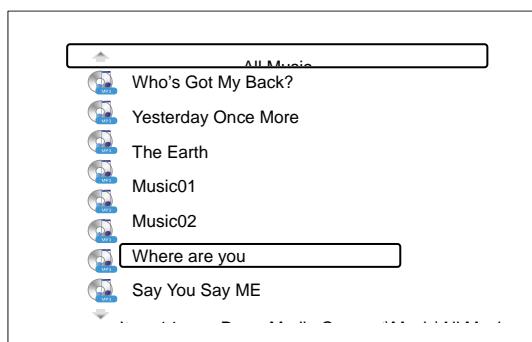
**SELECT FOLDER:**

**PREVIEW MODE:**



**LIST MODE:**

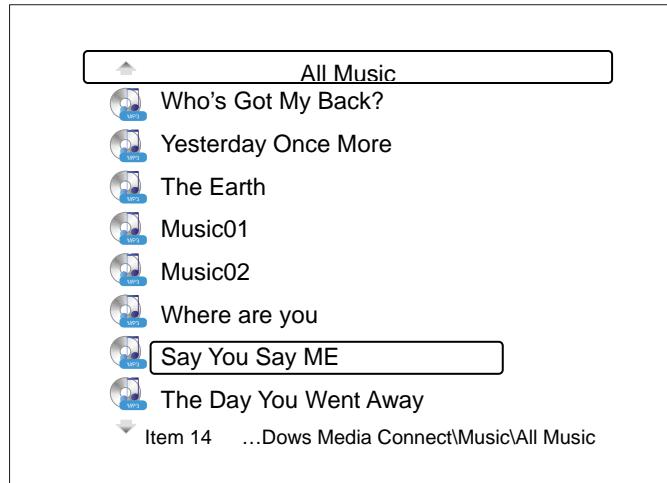
**THUMBNAIL MODE:**



The R/C key functions for content navigation vary slightly depending on the display mode: List mode, Audio Preview, Photo Preview and Video modes. The R/C functions for each of these modes are shown in the following sections.

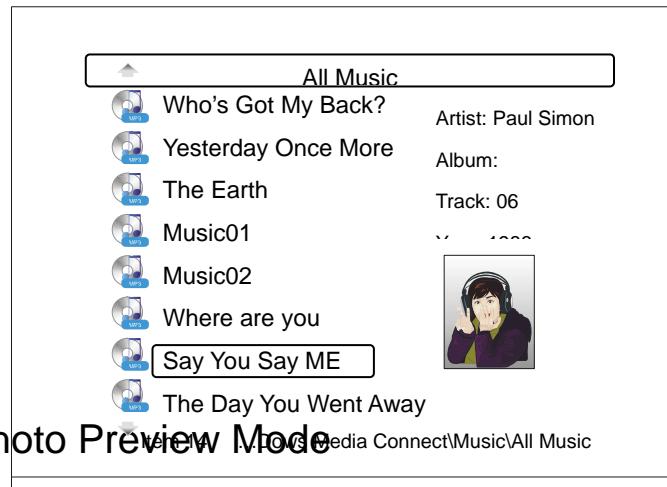
## 7.1 List Mode

R/C key Function:

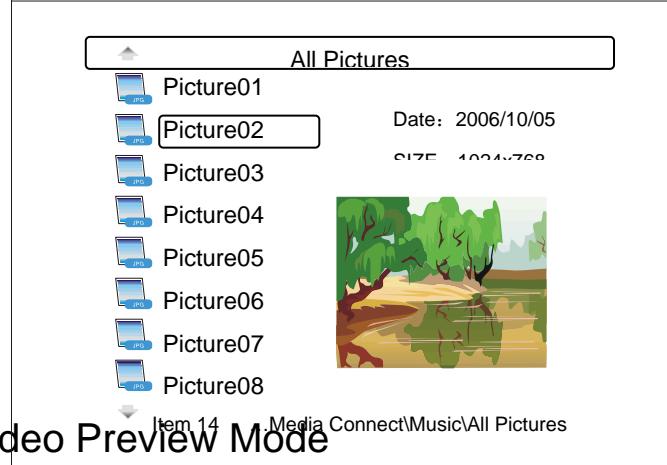


ITEM	KEY ID	DESCRIPTION	ITEM	KEY ID	DESCRIPTION
1	POWER	Power device on/off	15	AUDIO	
2	Digits		16	SUBTITLE	
3	VOL-	Decrease volume	17	ROTATE	
4	UP	Cursor up/ Go to previous file	18	ZOOM	
5	PLAY/PAUSE	Play or pause a file	19	SETUP	Enter SETUP menu
6	LEFT	Skip up one page and select bottom item of this page	20	DISPLAY	Toggle time counter on/off
7	PREV	Back to top of first page( BACK Position)	21	REV	Fast reverse
8	NEXT	Go to next file	22	FWD	Fast forward
9	DEFAULT	Restore setup setting as default setting.	23	DOWN	Cursor down/ Go to next file
10	HOME	Return to main menu	24	RIGHT	Skip down one page and select top item of this page
11	REPEAT	Select repeat mode	25	STOP	Stop playing
12	M-SLIDE	Enable slide show mode	26	OK	Confirms selection of an item in the menu or Play the file
13	SLOW		27	VOL+	Increase volume

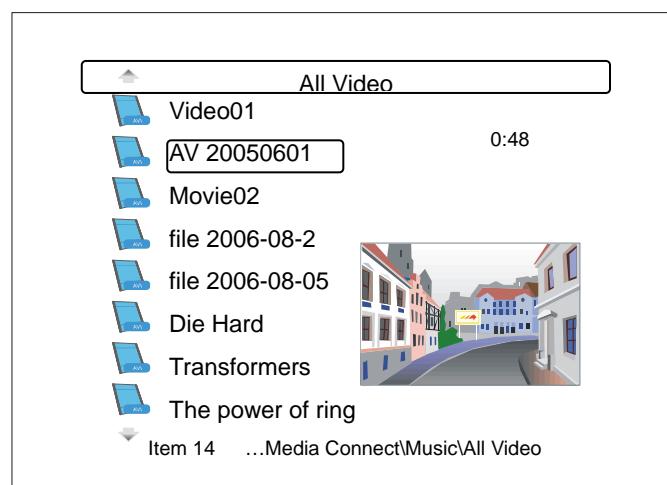
## 7.2 Audio Preview Mode



## 7.3 Photo Preview Mode



## 7.4 Video Preview Mode



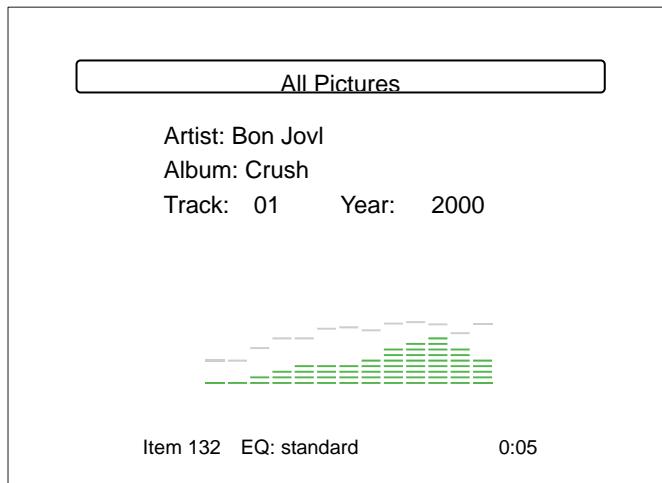
## 8. Content Play Modes

The R/C key functions vary slightly depending on which play mode is active. These R/C functions are shown below in each of the play modes: Audio, Photo

and Video play modes.

### 8.1 Audio Play Mode

Use UP/DOWN/LEFT/RIGHT key select music file, then press PLAY/PAUSE or OK key to play the music file.



### 8.2 Photo Play Mode

Use UP/DOWN/LEFT/RIGHT key select JPEG file, then press PLAY/PAUSE or OK key to show the photo on the TV screen.

**NOTE:** To play music with photo slide show, Browse into the desired audio folder and press the M-Slide key to toggle MUSIC SLIDE SHOW feature on and off. The photo zoom mode is disabled when music-slide show is active.

### 8.3 Video Play Mode

Use UP/DOWN/LEFT/RIGHT key select Video file, then press PLAY/PAUSE or OK key to Play the Video file.

**Recommend: Each movie each folder in PC, pls. go to folder view in DMA to see the movie**

## 9. Trouble shooting (FAQs)

For more information on setting up and using the wireless features of your DMA, visit

### Frequently asked questions

1. I already have Windows Media player on my computer. Do I have to install it again?

You must have Windows Media player 11, or greater, so your DMA can access the pictures on your computer.

Check your Windows Media player version number. (Right-click in the top menu bar, then select >help:about Windows Media Player.) If your version is earlier than 11, upgrade to version 11.

2. I lost my Internet connection in the middle of my setup. What should I do?  
Reconnect to the Internet and repeat the installation and setup, starting on
3. I lost my wireless connection in the middle of the setup. What should I do?

Make sure your wireless connection is live and repeat up, starting on

4. I can't find my network. Why?

Is your network set up to broadcast SSID? If so, you must enter your wireless network information manually. The person who set up your network can help you with this information.

Does your network have security enabled (WEP or WPA)? If so, follow the instructions on **Page 16**.

5. I can't find my network computer. Why?

Make sure your router and your computer are on.

Make sure your computer is on your wireless network. See the documentation that came with your router and your computer.

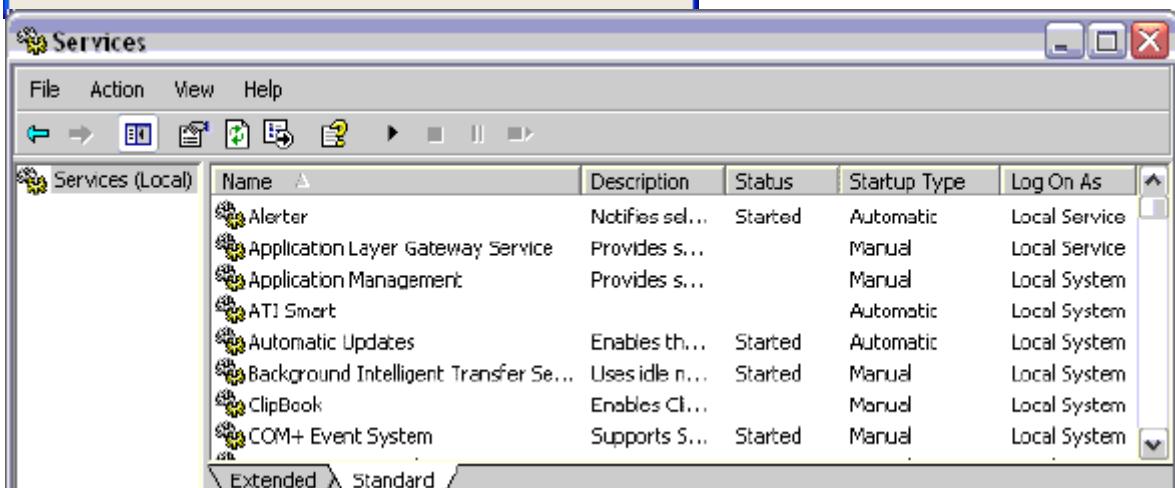
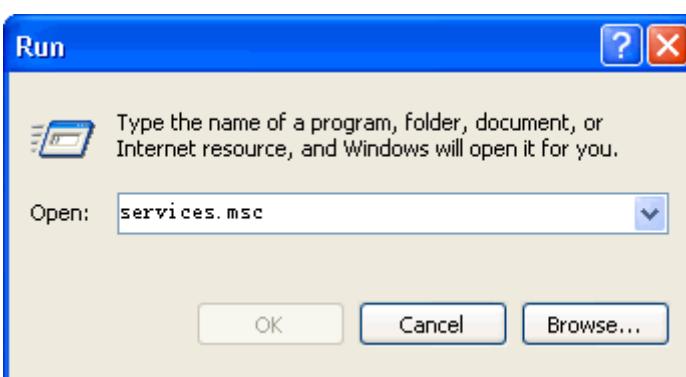
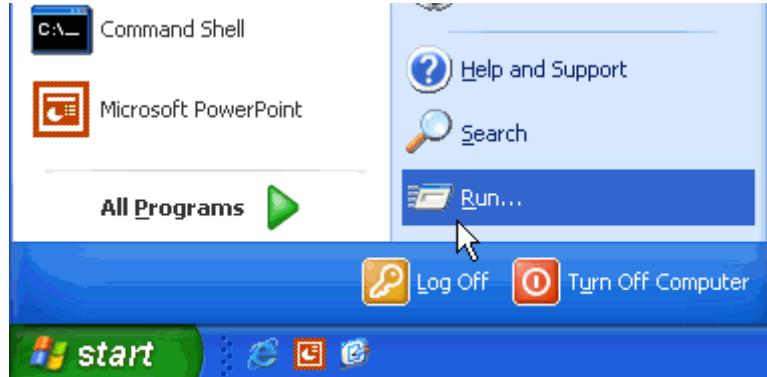
Is Media sharing enabled in Windows Media player 11? See **Page 8**.

Is your DMA allowed to share content with your computer? See **Page 9**.

6. If PC can't find the DMA?

Maybe your firewall or windows setting problem, Please do as below step:

Click Start, Run "services.msc", you will see below:



- HTTP SSL change to start, automatic
- SSDP DISCOVERY SERVICE change to start, automatic
- Universal Plug and Play change to start, automatic
- Windows media player Network Sharing Service change to start & automatic, then restart the computer

2. I didn't connect to my network the first time I turned on my DMA. Can I do it now?  
Yes, you can.  
Press Home on the remote control, then select Settings>network>Normal>Enable/disable connections>enable.

3. No reaction to the supplied remote control.  
Connect the power adapter to the power supply.  
Point the remote control at the product.  
Insert the batteries correctly. Insert new batteries in the remote control.

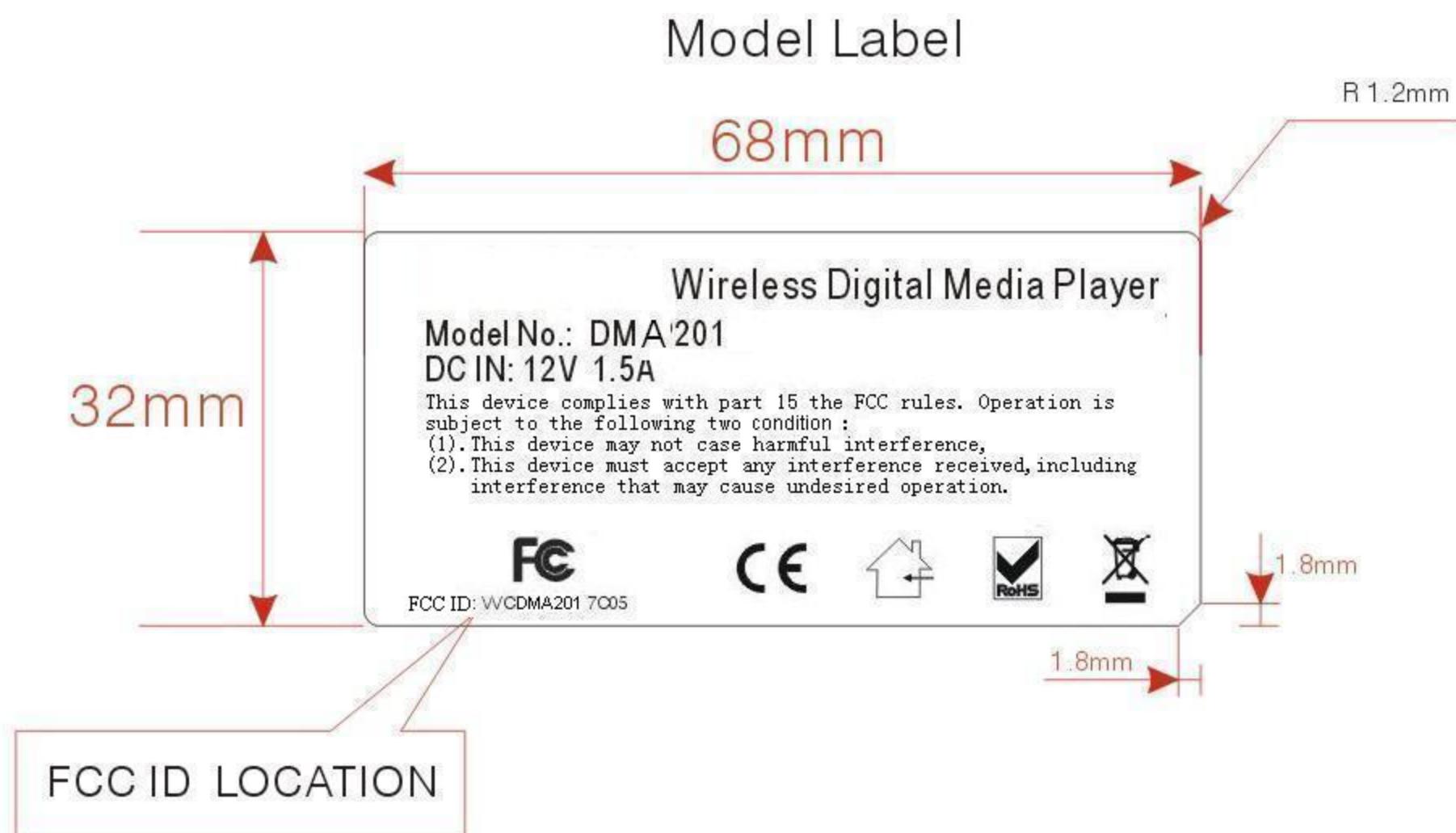
4. No video signal on the TV screen.  
Turn the TV on.  
Set the TV to the correct external input.  
Set the video output connection on the rear of the product to the correct position and restart the product.  
Make sure that the TV supports the video signal of the product. Press the Default key on the supplied remote control to restore the video output signal to the factory default values.

5. No sound signal from loudspeaker of audio system or TV.  
Turn the audio system on.  
Set the audio system to the correct external input.  
Increase the volume level of audio system.  
Check whether the volume of product is set to "0". Check whether the AV cable is properly connected to the port. Check whether the media file is damaged.

6. Cannot find the wired network.  
Turn the other wired network devices on.  
Use a straight network cable(Ethernet, UTP5e) to make a connection from the product to the wired network.

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FCC ID:VVCDMA2017C05



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

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

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

**Location:Bottom of product**



Keep dry. Precipitation, humidity, and liquids, contain minerals that will corrode electronic circuits.

Do not use or store in dusty, dirty areas.

Do not store in hot areas. High temperatures can shorten the life of electronic devices and warp or melt certain plastics.

Do not store in very cold areas. Moisture can form inside the case, which may damage electronic circuit boards.

Do not attempt to open the case. Non-expert handling of the device may damage the system.

Avoid dropping and strong impact.

Do not change or modification. It is not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.