



MOTOROLA

**User's Guide
For LS420**

**4.2" Dual Digital Photo Frames
with Slideshow**

Warning

Use only the power adapter supplied with your product.

Welcome...

to your new Motorola Digital Photo Frame!

Please retain your original dated sales receipt for your records. For warranty service of your Motorola product, you will need to provide a copy of your dated sales receipt to confirm warranty status. Registration is not required for warranty coverage.

For product related questions, please call:

1-888-331-3383 in US and Canada

0845 218 0890 in UK

(65) 68412668 in Singapore

0860100551 in South Africa

0508 663 4255 in New Zealand

1300 768 112 in Australia

+91 11 41752314 in India

On the Web: www.motorola.com

This User's Guide provides you with all the information you need to get the most from your Digital Photo Frame.

Before you start using, you will need to set up your Digital Photo Frame. Follow the simple instructions in "Getting started", on the next few pages.

IMPORTANT

- Only use the power adapter supplied.

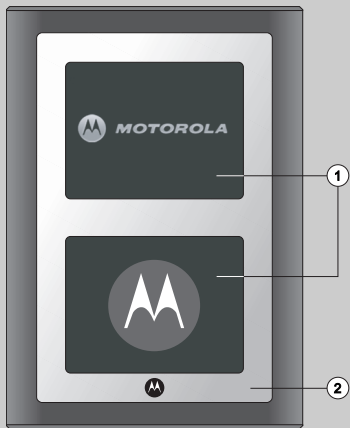
Got everything?

- 1 x Digital Photo Frame
- 1 x Power adapter
- 1 x Stand
- 1 x User's Guide
- 1 x Quick Start Guide

Key features

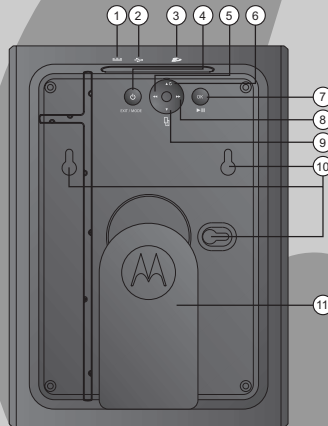
- 3 view modes: Clock/Calendar mode, dual slideshow mode and thumbnail mode
- 5 slideshow transition effects
- Date and Time settings
- Programmable On/Off Time
- Supports flash drive, SD, SDHC and MMC memory cards

Frame overview












A

1. LCD screen
2. Face plate



B

1. Power supply jack 
2. USB connector 
3. Memory card slot 
4. Power/Exit/Mode button 
5. Previous button 
6. Up/Rotate button 
7. OK/Play/Pause button 
8. Next button 
9. Down/Swap screen button 
10. Wall mount hangers
11. Stand



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1. Getting started

WARNING

- Do not place your Digital Photo Frame in the bathroom or other humid areas.
- Do not place your Digital Photo Frame near sources of heat and extreme temperatures, such as fluorescent lighting, microwave ovens, heating appliances and direct sunlight.
- Do not disassemble your Digital Photo Frame; there are no user-serviceable parts inside.
- If the LCD screen breaks, do not touch the glass or liquid. Contact Motorola customer support for assistance.
- Use only the power adapter supplied with your Digital Photo Frame.

Compatible picture format

Your Digital Photo Frame can only display pictures that are in JPEG format. Other picture formats may not be detected or displayed correctly.

The pictures will be displayed in alphabetical order.

Care and maintenance

Wipe the frame and the LCD screen gently with a soft, clean, dry cloth.

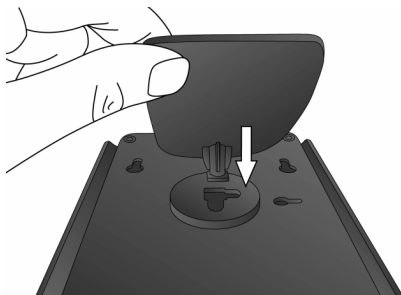
To remove fingerprints on the LCD screen, wipe gently with a soft, lint-free cloth. Do not use cleaning solutions unless they are designed specifically for LCD screens.

IMPORTANT

Always switch off and disconnect the power adapter before cleaning the Digital Photo Frame.

Setting up your Digital Photo Frame

Attaching the stand





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You can set to display your frame in landscape or portrait orientation.

Push the stand into the slot on the back of the frame and slide it down in either directions as indicated below.



Landscape



Portrait

IMPORTANT

To change the orientation of the stand, remove the stand and re-attach it as above. Do not turn the stand when it is attached.

Connecting the power cable plug



IMPORTANT

Use only the power adapter supplied with your Digital Photo Frame.

Inserting a memory card

Your Digital Photo Frame supports SD, SDHC and MMC memory cards.



To insert a memory card, push the card firmly into the memory card slot in the correct direction as indicated above.

Removing a memory card

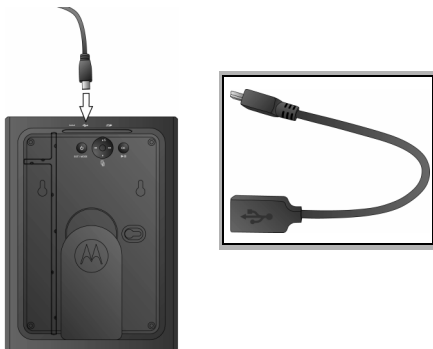
Simply pull the card out of the slot gently.

IMPORTANT

Do not insert a micro or mini memory card without an adapter.

Connecting a USB device

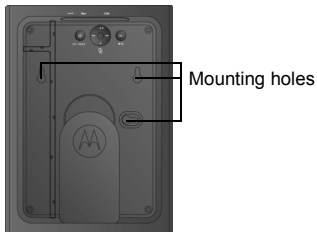
Your Digital Photo Frame supports USB flash drive and card reader.



NOTE

Please use a USB converter cable (not included) if the USB cable of your device cannot fit into the USB port of the Digital Photo Frame.

Mounting your Digital Photo Frame on the wall



Use wall mounting screws (not included) to mount your Digital Photo Frame securely to the wall.


Switching on your Digital Photo Frame

Press any key to power up your Digital Photo Frame.

TIP

Your Digital Photo Frame will also power up automatically when the power source is connected and switched on for the first time.

Switching your Digital Photo Frame to standby mode

Press and hold  button for 2 seconds.



Viewing your first slideshow

If you have inserted a memory card with pictures that are in JPEG format, the slideshow starts automatically when you switch on your digital photo frame.

TIP

If there is no memory card inserted the first time you switch on your Digital Photo Frame, the slideshow starts automatically with the preloaded photos on one screen and the clock/calendar on the other screen.



2. Doing more with your Digital Photo Frame

CONGRATULATIONS!

Now that you have set up your Digital Photo Frame and enjoyed your first slideshow, you are ready to learn about more great features of your Digital Photo Frame.

2.1 Viewing mode


There are 3 viewing modes in your Digital Photo Frame.

- Dual Slideshow
- Thumbnail
- Clock/Calendar

To switch between viewing modes, press .


2.2 Dual Slideshow Mode

This mode lets you view two pictures/slideshows in full-screen.

Press  repeatedly until you enter dual slideshow mode.

2.2.1 Selecting a screen



The current selected screen is indicated with a yellow border.

To switch between the two screens, press .





2.2.2 Pause picture transition

You can pause the automatic transition of pictures in the selected screen.

1. Press .
2. To resume automatic transition, press  again.


2.2.3 Changing pictures manually

You can change the picture that is showing on the current selected screen without having to wait for automatic transition.

Press  to change to the previous picture, or press  to change to the next picture.

2.3 Thumbnail Mode

This mode lets you view four pictures on one screen. You can then select a picture to be displayed in full-screen on the other screen.

Press  repeatedly until you enter thumbnail mode.

2.3.1 Swapping screen display

When you first enter thumbnail mode, the top screen displays a full-screen picture while the bottom screen displays thumbnails.



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To swap screen display, press ▲C or ▼.



2.3.2 Selecting a thumbnail

The current selected thumbnail is indicated with a yellow border and appears in full-screen on the other screen.

To select the previous or next thumbnail, press ◀ or ▶.

The picture on the other screen changes to the thumbnail you have selected as you press ◀ or ▶.

2.4 Clock/Calendar Mode

This mode lets you view a clock/calendar on one screen and a full-screen picture/slideshow on the other screen.

Press ⏻ repeatedly until you enter clock/calendar mode.

2.4.1 Swapping screen display

When you first enter Clock/Calendar Mode, the top screen displays a full-screen picture while the bottom screen displays a clock/calendar.

To swap screen display, press ▼.



2.4.2 Pause picture transition

You can pause the automatic transition of pictures in the selected screen.

1. Press (OK).
2. To resume automatic transition, press (OK) again.

2.4.3 Changing pictures manually

Press ◀ to change to the previous picture, or press ▶ to change to the next picture.

2.4.4 Rotate picture

You can rotate a picture clockwise.

To rotate a picture, press ▲C.



The automatic transition of pictures is paused when you rotate a picture. To resume automatic transition, press ◀◀ or ▶▶ to change to another picture.

2.5 Settings Mode

The settings mode allows you to change the various settings of your Digital Photo Frame. In this mode, the bottom screen displays a list of options, while the top screen displays full-screen pictures. As you change the settings, the pictures on the top screen will show the effect of the new settings.

Press Ⓞ repeatedly until you enter Settings mode.



2.5.1 Change Slideshow frequency

You can control the duration between each automatic transition of pictures.

1. Press ▲C or ▼ to select Slideshow frequency and press Ⓞ.
2. Press ▲C or ▼ to select a setting (5 seconds, 10 seconds, 30 seconds, 1 minute, 1 hour, 1 day) and press Ⓞ.

2.5.2 Change Slideshow transition

You can select the slideshow transition effect.

1. Press ▲C or ▼ to select Slideshow transition and press Ⓞ.
2. Press ▲C or ▼ to select a setting (No effect, Random, Fade out Fade in, Left to right, Horizontal open, Horizontal close) and press Ⓞ.



2.5.3 Change Time and Date

You can set the time, date and time format to be displayed on your Digital Photo Frame.

2.5.3.1 Set Year, Month, Day, Hour and Minute

1. Press ▲C or ▼ to select **Time and Date** and press (OK).
2. Press ▲C or ▼ to select a setting (**Year, Month, Day, Hour and Minute**) and press ◀ or ▶ to set the value.

2.5.3.2 Set Time Format

1. Press ▲C or ▼ to select **Time and Date** and press (OK).
2. Press ▲C or ▼ to select **Time Format** and press ◀ or ▶ to select a format (24h or 12h).

2.5.4 Languages

You can select the display language of your Digital Photo Frame.

1. Press ▲C or ▼ to select **Languages** and press (OK).
2. Press ▲C or ▼ to select a language and press (OK).

2.5.5 Programmable On/Off time (Auto On/Off)

You can set the Digital Photo Frame to switch on and off automatically at a specific time of the day.

2.5.5.1 Set auto on/off

1. Press ▲C or ▼ to select **Auto On/Off** and press (OK).
2. Press ▲C or ▼ to select **No auto on/off** and press ◀ or ▶ to select a setting (ON or OFF).

2.5.5.2 Set auto on time

1. Press ▲C or ▼ to select **Auto On/Off** and press (OK).
2. Press ▲C or ▼ to select **Auto on hour** and press ◀ or ▶ to set the value.
3. Press ▲C or ▼ to select **Auto on minute** and press ◀ or ▶ to set the value.

2.5.5.3 Set auto off time

1. Press ▲C or ▼ to select **Auto On/Off** and press (OK).
2. Press ▲C or ▼ to select **Auto off hour** and press ◀ or ▶ to set the value.
3. Press ▲C or ▼ to select **Auto off minute** and press ◀ or ▶ to set the value.

2.5.6 Display

You can change the display brightness and contrast.

1. Press ▲C or ▼ to select **Display** and press (OK).
2. Press ▲C or ▼ to select a setting (**Brightness or Contrast**) and press ◀ or ▶ to set the value (0 – 16).

2.5.7 Photo view options

You can control the size of the pictures displayed.

1. Press ▲C or ▼ to select **Photo view options** and press (OK).
2. Press ▲C or ▼ to select a setting (**Original or Fit to screen**) and press (OK).

2.5.8 Default settings

This option resets all settings to the default.

1. Press ▲C or ▼ to select **Default settings** and press (OK).
2. Press ▲C or ▼ to select **Yes** and press (OK).



3. Help

My Digital Photo Frame does not turn on.

- Make sure the power adapter is securely connected (page 6).
- Make sure you are using the power adapter that was included with your Digital Photo Frame.
- Make sure the frame is turned on (page 8).

My Digital Photo Frame does not recognize the memory card.

- Make sure you have inserted a certified memory card.
- Make sure you have inserted the memory card correctly (page 7).

Nothing appears when I inserted a memory card or connected a USB device to my Digital Photo Frame.

- Make sure the USB cable is securely connected (page 7).
- Make sure that your pictures are in JPEG format.

Note that a large picture file may take some time to appear on the LCD screen.

4. General Information

If your product is not working properly....

1. Read this User's Guide.
2. Visit our website:
www.motorola.com
3. Contact Customer Service at:
1-888-331-3383 in US and Canada
0845 218 0890 in UK
(65) 68412668 in Singapore
0860100551 in South Africa
0508 663 4255 in New Zealand
1300 768 112 in Australia
+91 11 41752314 in India



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Products or Accessories Covered	Length of Coverage
Consumer Products	One (1) year from the date of purchase by the first consumer purchaser of the product.
Consumer Accessories	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Consumer Products and Accessories that are Repaired or Replaced	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Abuse & Misuse. Defects or damage that result from: (a) improper or unreasonable use, operation, storage, misuse or abuse, accident or neglect or other external cause, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) your failure to follow or operation outside the usage parameters stated in the user instructions that came with the Products or Accessories; (c) contact with liquid, water, rain, extreme humidity or heavy



perspiration, sand, dirt or the like, extreme heat, or food; (d) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (e) other acts or omissions which are not the fault or neglect of Motorola or Binatone Electronics International LTD., are excluded from coverage.

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Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage.

How to Obtain Warranty Service or Other Information?

To obtain service or information, please call:

1-888-331-3383 in US and Canada

0845 218 0890 in UK

(65) 68412668 in Singapore

0860100551 in South Africa

0508 663 4255 in New Zealand

1300 768 112 in Australia

+91 11 41752314 in India

You will receive instructions on how to ship the Products or Accessories, the shipment of which shall be at your own risk and expense, to a BINATONE ELECTRONICS INTERNATIONAL LTD. Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase of the Products or Accessories showing the date of purchase; (b) a written description of the problem; and, most importantly; (c) your address and telephone number.

These terms and conditions constitute the complete warranty agreement between you and BINATONE ELECTRONICS INTERNATIONAL LTD. regarding the Products or Accessories purchased by you, and supersede any prior agreement or representations, including representations made in any literature publications or promotional materials issued by BINATONE ELECTRONICS INTERNATIONAL LTD. or representations



made by any agent employee or staff of BINATONE ELECTRONICS INTERNATIONAL LTD., that may have been made in connection with the said purchase.

Technical Specifications

Screens size	4.2" diagonal x 2 screens
Aspect ratio	4:3
Backlight	LED
Panel resolution	234 x 202 pixels
Brightness	200 cd/m ²
Contrast ratio	400:1
Horizontal viewing angle (Top/Bottom/Left/Right)	50° / 55° / 60° / 60°
Supported memory card types	SD, SDHC, MMC
USB Host	Supported
Supported image file formats	JPEG (*.jpg)
Manual brightness adjustment	Supported
Thumbnail view	Supported
Single picture view	Supported

FCC compliance and advisory

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed or used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver; 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for additional suggestions. Any changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of



the product, they must be used in order to ensure compliance with FCC regulation.

FCC and Industry Canada

This device complies with Industry Canada RSS-210 and 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.

Canadian DOC statement

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

Observation des normes - Classe B Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

CE

Hereby, BINATONE ELECTRONICS INTERNATIONAL LTD. declares that this Digital Photo Frame is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



WEEE Directive

Produced after 13 August 2005. Waste electrical should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.





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