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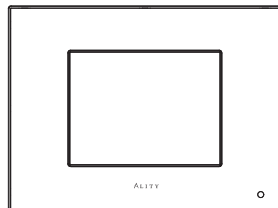
## 1. Safety precautions

- Use only the included DC adaptor for power.
- Never open the cabinet under any circumstances. Any repairs or internal adjustments should be made only by a qualified service personnel.
- Never operate this product with the cabinet removed.
- Do not use your unit immediately after transporting it from a cold place to a warm place, as condensation may cause the system to malfunction.
- Keep your unit away from humid areas and abnormally hot places.
- Do not touch the unit with wet hands. If any liquid enters the unit cabinet, take the unit to a qualified service personnel for inspection.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Disconnect the system from AC power before cleaning the exterior of the unit with a soft clean cloth.
- DO NOT use liquid and gaseous detergent to clean the unit as it may cause damage to the unit.

**Congratulations!** With the purchase of an Ality Moderna digital photo frame, you are about to begin the enjoyment of this multimedia player for the playback of digital photos, music and movies. Please read these instructions carefully before starting operations. Following the instructions in this manual will enable you to obtain optimum performance from your Moderna digital photo frame. Please retain this manual for future reference.

## 2. What's in the box

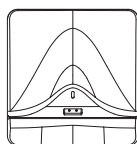
Please check the following items are included in the package:



Moderna digital photo frame



Remote control



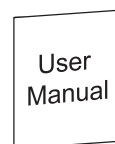
Cradle



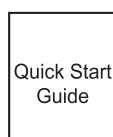
Power adapter



USB cable



User manual



Quick start guide

### 3. Features

✓ File extension of JPEG file is .jpg  
File extension of bitmap file is  
.bmp

✓ File extension of mp3 file is .mp3  
File extension of WAVE file is  
.wav

**Startup:** Automatic start mode

**Photo format supported:** jpeg, bitmap

**Photo display features:**

- Photo browsing: thumbnail style (4x3)
- Automatic slideshow with 16 transition modes
- Selectable interval time between photos
- Slideshow with background music
- Zoom and pan mode

**Audio format supported:** mp3 , wave

**Audio playback features:**

- Play, stop and pause mode
- Repeat playback

**Video format supported:** avi

**Memory card supported:**

- MS (Memory Stick),
- SD (Secure Digital),
- MMC (Multimedia Card) and
- CF (Compact Flash) card
- xD-Picture Card

**Remote control:** infrared remote control

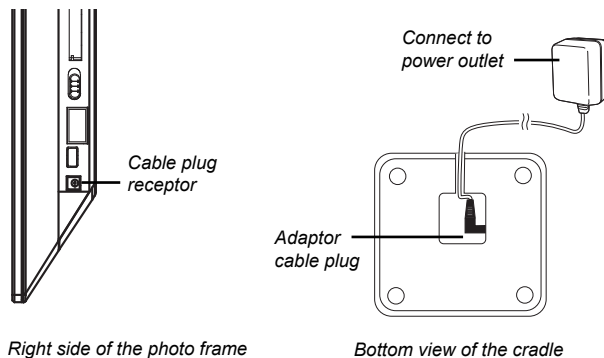
## 4. Initial setup

- ✓ The photo frame is powered by the adapter which can directly connect with the frame or the cradle.

### 4.1 Plug for power

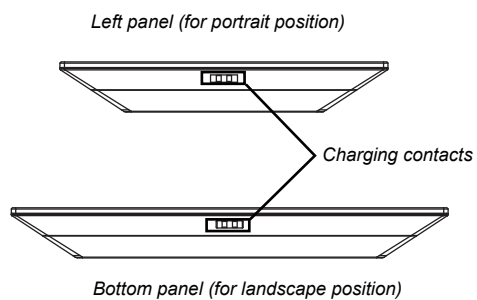
Insert the adaptor cable plug to the receptor which is either 1) on the right side of the photo frame or 2) at the bottom of the cradle. Connect the adaptor to the power outlet.

Features / Initial setup

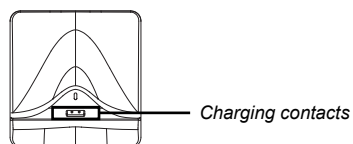


When charging with the cradle, make sure the charging contacts of the photo frame are in contact with those of the cradle. The charging contacts are located at the bottom and left panels of the photo frame.

Photo frame



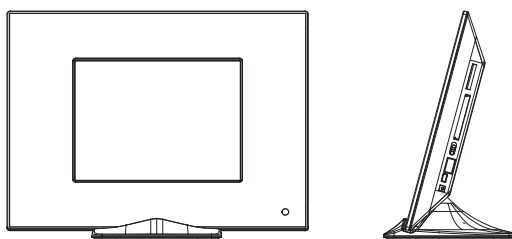
Cradle



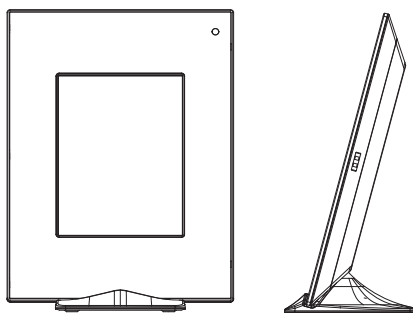
✓ *Display will rotate automatically for upright viewing according to the orientation of the photo frame.*

## 4.2 Installation

You may place the photo frame onto the cradle for power in either portrait or landscape orientation.



*Landscape position*



*Portrait position*

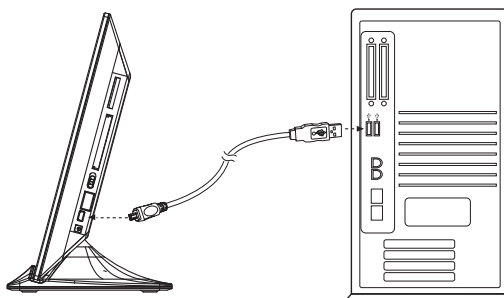
- ✓ *The larger end of the USB cable should be connected to the computer while the smaller end to the unit.*

- ✓ **Attention:**  
*Make sure all data are transferred to the unit before unplugging the USB connection. Refer to the instructions of your computer system for safely unplugging the USB connection.*

## 4.4 Loading media

### 4.4.1 Transferring files to the unit from your computer

To transfer files to the unit, switch off the unit and connect it to your computer with a USB connection cable. The unit will appear as a removable disc drive on your computer.

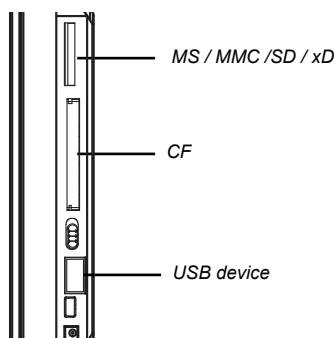


From Windows Explorer, highlight all the files/folders you want to transfer to the unit and drag them to the drive letter that is associated with it.

After transferring files, please turn off the unit, disconnect the USB cable and power on the unit again. Such action is necessary to resume the unit to normal operation mode from PC-connection mode.

### 4.4.2 Inserting memory cards

You can insert either MS, CF, MMC, SD or xD memory card or USB device into corresponding memory card slot or USB connector. Refer to "Device mode" for selecting media source.



- ✓ *Memory Stick (MS), Compact Flash (CF), Multimedia Card (MMC), Secure Digital (SD) card, xD-Picture Card (xD)*

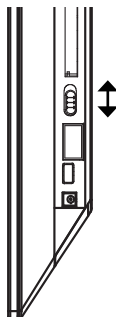
✓ Refer to the following sections for details on selecting files and playback of various types of file.

#### 4.4.3 Care of memory card (not included)

- Do not touch the golden electrodes.
- Use a soft dry cloth to clean any dirt.
- Do not bend memory cards.
- Do not operate or store the memory cards in places with frequent static electricity or electrical noise (e.g. speaker, TV set). Recorded data may be damaged.
- It is normal for memory card to get warm after being used for a long time.
- Always put it in storage case after removing from the unit.
- Do not store memory card near fire, places with high temperature/ humidity or in direct sunlight.

#### 4.5 Switching on or off the unit

Slide the main power switch located on the right panel of the unit to power on or off the unit.

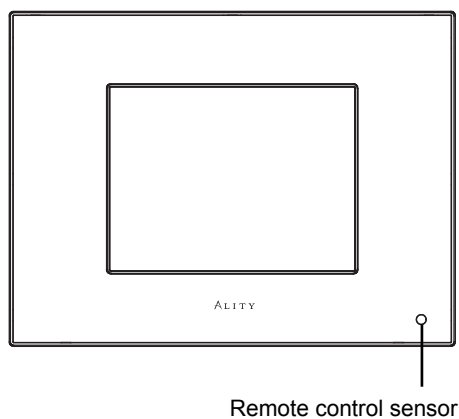


If you have more than one media source in the unit, a selection menu will show. Press **◀** or **▶** on the remote control to select your desired media source and then press **ENTER** to start using the unit.

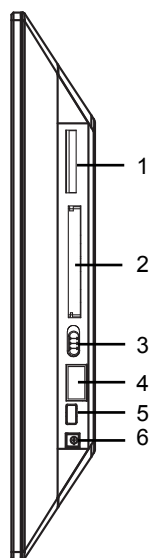


## 5. General controls

### 5.1 Front panel

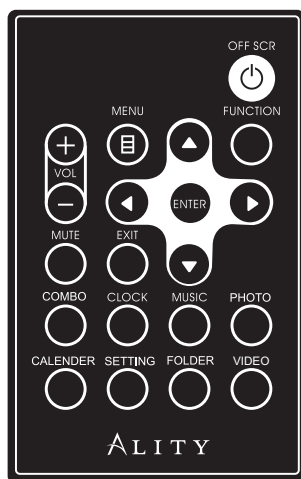


### 5.2 Right panel



- 1 SD, MMC, MS, xD card slot
- 2 CF card slot
- 3 Main power switch
- 4 USB device connector
- 5 USB connection jack (for computer connection)
- 6 DC power input jack

## 5.3 Remote control

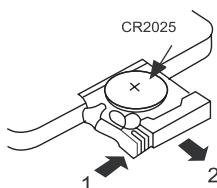


- OFF SCR** – turns the unit's screen on or off
- VOL + / -** – increases or decreases volume
- MENU** – accesses the main menu
- FUNCTION** – accesses the function menu
- Navigation keys** (▲ ● ● ●) – moves in the indicated direction during menu navigation
- ENTER** – confirms selection
- MUTE** – mutes or restores the sound output
- EXIT** – returns to the previous screen
- COMBO** – starts photo slideshow and music playback in the internal memory
- CLOCK** – accesses the clock display function
- MUSIC** – plays music files in the internal memory
- PHOTO** – plays photo files in the internal memory
- CALENDER** – accesses the clock display function (refer to **CLOCK**)
- SETTING** – accesses the setting menu
- FOLDER** – accesses the folder mode in the internal memory
- VIDEO** – plays video files in the internal memory

✓ **OFF SCR** key only turns on or off the screen without switching off the power completely. The main power switch is on the right panel (refer to section 4.4).

### 5.3.1 Notes on the remote control

- On the remote control, remove the plastic tab from the battery compartment before first use.
- To replace battery, slide the release lock to the right and pull out the battery tray. (One button, type CR2025, battery required)
- When using the remote control, make sure you are pointing to the remote sensor located at the front of the unit.



#### CAUTION

Danger of explosion if battery is incorrectly installed.  
Replace only with the same or equivalent type of battery.

## 6. Basic operations

- ✓ Main menu can be seen once the unit is power on for selecting a mode.

Available modes are:

Photo (section 7),  
Music (section 8),  
Combo (section 9),  
Video (section 10),  
Folder (section 11),  
Clock (section 12), and  
Setting (section 13).

- ✓ Volume can only be controlled on the remote control with the volume and mute keys.



### 6.1 Main menu

Eight modes are available and shown on the main menu for selection, use the navigation keys (▲ ● ◀ ▶) to select one of them and press **ENTER**.



Basic operations

### 6.2 Volume control

- For media with sound output, press **VOL + / -** for volume adjustment
- Press **MUTE** to mute sound output temporarily. Press **MUTE** again to restore the sound output.

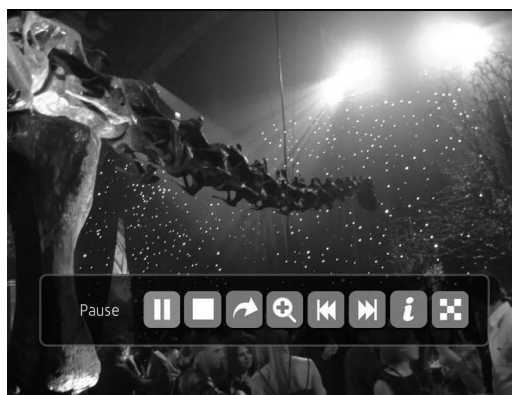
- ✓ Press **FUNCTION** for more features during playback.



- ✓ An example of the function menu shows at the bottom of the screen.

### 6.3 Function menu

- During playback of photos, music and movies, press **FUNCTION** on the remote control to show the function menu located at the bottom of the screen for more features.
- The availability of features depends on the type of file being played. Press or to select one of feature icons and then press **ENTER** for selection.



## 7. Photo mode

- ✓ In the main menu, select the Photo mode icon as below:



- ✓ If sub-folders exist in the selected media source, select the sub-folder and then press **ENTER** to view its content. To exit the sub-folder, press **ESC**.

You can view digital photos (jpeg or bitmap) with this mode.

### 7.1 Accessing Photo mode

- In the main menu, use the navigation keys (**Left Arrow**, **Right Arrow**, **Up Arrow**, **Down Arrow**) to select Photo mode and then press **ENTER**.

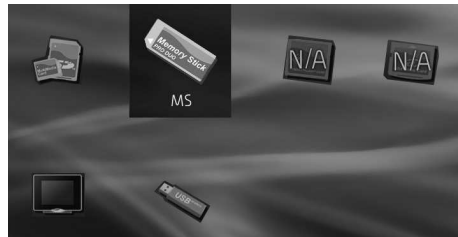
OR

- Press **PHOTO** on the remote control to access this mode directly.

Photo mode

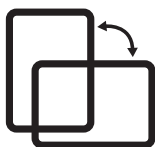
### 7.2 Selecting photos

- In Photo mode, available media sources (e.g. SD or CF card) are listed on the screen, press the navigation keys (**Left Arrow**, **Right Arrow**, **Up Arrow**, **Down Arrow**) to select a desired one and then press **ENTER**.



- Files available in the selected media source are listed, press the navigation keys (**Left Arrow**, **Right Arrow**, **Up Arrow**, **Down Arrow**) to select a desired file and then press **ENTER** to start slideshow from the selected file.





### 7.3 Auto tilting

This photo frame is equipped with Auto Tilting function, your photos will be displayed according to their orientation (portrait or landscape).

### 7.4 Photo function menu

1. During slideshow, press **FUNCTION** on the remote control to show the function menu at the bottom of the screen for more features.
2. Press **◀** or **▶** to highlight one of the feature icons and then press **ENTER** to select the feature.



Icons	Features
	Pauses slideshow
	Stops playback
	Rotates photo
	Activates zoom mode (press <b>ENTER</b> repeatedly to select zoom sizes)
	Goes to previous file
	Goes to next file
	Show or hides file information
	Displays photos in thumbnail style

✓ Refer to section 13.4 and 13.5 for slideshow settings including slideshow time and transition mode.

3. Press **FUNCTION** again to exit the function menu.

## 8. Music mode

- ✓ In the main menu, select the Music mode icon as below:



You can play digital audio format files with this mode.

### 8.1 Accessing Music mode

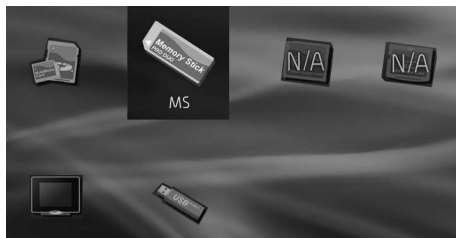
- In the main menu, use the navigation keys (▲ ▼ ◀ ▶) to select Music mode and then press **ENTER**.

OR

- Press **MUSIC** on the remote control to access this mode directly.

### 8.2 Selecting music

- In Music mode, available media sources (e.g. SD or CF card) are listed on the screen, press the navigation keys (▲ ▼ ◀ ▶) to select a desired one and then press **ENTER**.










- Files available in the selected media source are listed, press the navigation keys (▲ ▼ ◀ ▶) to select a desired file and then press **ENTER** to start playback of the selected file.



### 8.3 Music function menu

1. During playback, press **◀** or **▶** to highlight one of the feature icons and then press **ENTER** to select the feature.



Icons	Features
	Pauses playback
	Stops playback
	Goes to previous file
	Fast reverse playback
	Fast forward playback
	Goes to next file
	Show or hides file information

2. Press **FUNCTION** again to exit the function menu.

### 8.4 Music playback mode

To activate repeat and random playback of music files. Refer to section 13.6 for details.



## 9. Combo mode

- ✓ In the main menu, select the Combo mode icon as below:



You can play both photo and music at the same time under this mode.

### 9.1 Accessing Combo mode

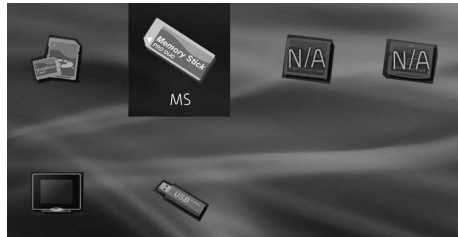
- In the main menu, use the navigation keys (▲ ● ◀ ▶) to select Combo mode and then press **ENTER**.

OR

- Press **COMBO** on the remote control to access this mode directly.

### 9.2 Selecting photos and music

- In Combo mode, available media sources (e.g. SD or CF card) are listed on the screen, press the navigation keys (▲ ● ◀ ▶) to select a desired one and then press **ENTER**.



- Files available in the selected media source are listed, press the navigation keys (▲ ● ◀ ▶) to first select a desired Photo/Music file and then press **ENTER** to start slideshow from the selected file.



- To start slideshow with a specific photo file, select the desired photo file first and the first music file in the selected media source will then be played automatically while the slideshow is playing.
- To start slideshow with a specific music file, select the desired music file first and the first photo file in the selected media source will then be played automatically while the slideshow is playing.

### 9.3 Accessing photo and music function menus

1. During playback, press **FUNCTION** repeatedly on the remote control to show the photo or music function menu at the bottom of the screen for more features.

*Music function menu*



*Photo function menu*



✓ Refer to section 7.4 for details on Photo function menu.  
Refer to section 8.3 for details on Music function menu.

2. Press **◀** or **▶** to highlight one of the feature icons and then press **ENTER** to select the feature.

## 10. Video mode

- ✓ In the main menu, select the Video mode icon as below:



Video mode lets you watch digital movies from the unit.

### 10.1 Accessing Video mode

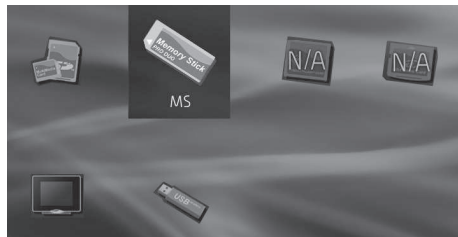
- In the main menu, use the navigation keys (▲▼◀▶) to select Video mode and then press **ENTER**.

OR

- Press **VIDEO** on the remote control to access this mode directly.

### 10.2 Selecting video

- In Video mode, available media source (e.g. SD or CF card) are listed on the screen, press the navigation keys (▲▼◀▶) to select a desired one and then press **ENTER**.










- Files available in the selected media source are listed, press the navigation keys (▲▼◀▶) to select a desired files and then press **ENTER** to start playback of the selected file.



### 10.3 Video function menu

1. During playback, press **FUNCTION** on the remote control to show the function menu at the bottom of the screen for more features.
2. Press **◀** or **▶** to highlight one of the feature icons and then press **ENTER** to select the feature.



Icons	Features
	Pauses playback
	Stops playback
	Goes to previous file
	Fast reverse playback
	Fast forward playback
	Goes to next file
	Show or hides file information

3. Press **FUNCTION** again to exit the function menu.

### 10.4 Video playback mode

To activate repeat and random playback of video files. Refer to section 13.7 for details.

## 11. Folder mode

- ✓ In the main menu, select the Folder mode icon as below:



Folder mode lets you browse the file directory for file searching.

### 11.1 Accessing Folder mode

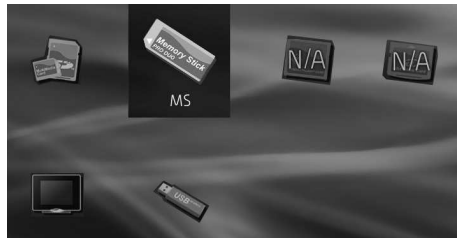
- In the main menu, use the navigation keys (▲ ● ◀ ▶) to select Folder mode and then press **ENTER**.

OR

- Press **FOLDER** on the remote control to access this mode directly.

### 11.2 Selecting files

- In Folder mode, available media sources (e.g. SD or CF card) are listed on the screen, press the navigation keys (▲ ● ◀ ▶) to select a desired one and then press **ENTER**.



- Files available in the selected media source are listed, press the navigation keys (▲ ● ◀ ▶) to browse items.
  - Press **ENTER** while a folder is highlighted to view its content.
  - To exit from a folder, press ●.
- Press **ENTER** while a file is highlighted to start playback.

✓ Read below for explanation of the function menu.

4. Press **ENTER** to select a highlighted file and then press **FUNCTION** on the remote control to show the function menu including "Return", "Paste" and "Delete".
5. Press **UP** or **DOWN** to highlight one of the feature icons and then press **ENTER** to select the feature.

**Return** – return to file list

**Paste** – paste the selected file to a selected destination

For example: copying a file from CF card to internal memory:

1. Press **ENTER** to select a highlighted file (e.g. in CF card).
2. Press **BACK** to go back to Folder / device menu.
3. Press the navigation keys (**UP** **DOWN** **LEFT** **RIGHT**) to select a desired device (eg. Internal memory) and then press **ENTER**.
4. Press **FUNCTION** of the remote control.
5. Select "Paste" and press **ENTER**.
6. When you see the "Copy" menu, press **ENTER** to copy selected file to the Internal memory.

**Delete** – delete all selected files

1. Press **ENTER** to select a highlighted file.
2. Press **FUNCTION** of the remote control.
3. Select "Delete" and press **ENTER**.
4. When you see the "Delete" menu, press **ENTER** to confirm deleting file.

## 12. Clock mode

- ✓ In the main menu, select the Clock mode icon as below:



- ✓ Refer to section 13 for setting the alarm.

Clock mode displays current date and time.

### 12.1 Accessing Clock mode

- In the main menu, use the navigation keys (◀ ▶ 🔍 ⏻) to select Clock mode and then press **ENTER**.

OR

- Press **CLOCK** on the remote control to access this mode directly.

### 12.2 Clock display

Refer to the diagram below for details:

- 1 = Calendar
- 2 = Current date
- 3 = Current time
- 4 = Alarm time (if set)



### 12.3 Setting date and time

To set the date and time for the unit, refer to sections 13.9 and 13.10 for details.

## 13. Setting Mode

- ✓ In the main menu, select the Setting mode icon as below:



- ✓ Setting menu items:
- Language set
  - Slideshow Mode
  - Picture Play Mode
  - Music Repeat Mode
  - Video Repeat Mode
  - Display Mode
  - Date
  - Time
  - Alarm
  - Brightness

Setting mode lets you define preferences before using the unit.

### 13.1 Accessing setting mode

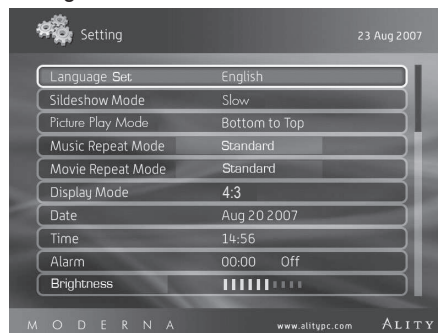
- In the main menu, use the navigation keys (◀ ▶ 🔍 ⏻) to select Setting mode and then press **ENTER**.

OR

- Press **SETTING** on the remote control to access this mode directly.

### 13.2 Navigating in setting mode

1. Once you have entered Setting mode, the following setting items are available:



2. Press ▲ or ▼ to highlight one of the items and then follow the instructions in the following sections for setting up respective item.



✓ *Slideshow Mode defines how long each photo will be displayed in slideshow mode.*

✓ *Picture Play Mode defines the manner when photos change from one to another (e.g. from left to right, from up to down)*

✓ *Playback modes for both music and video: Standard or Random*

✓ *The alarm clock setting can be checked in clock mode (section 12)*

### 13.3 Language Set

Press **OK** or **ESC** to select the menu language.

### 13.4 Slideshow Mode

Press **OK** or **ESC** to select the display time for each picture in the slideshow.

### 13.5 Picture Play Mode

Press **OK** or **ESC** to select the transition mode for the slideshow.

### 13.6 Music Repeat Mode

Press **OK** or **ESC** to select a repeat mode for music playback.

### 13.7 Video Repeat Mode

Press **OK** or **ESC** to select a repeat mode for video playback.

### 13.8 Display Mode

Press **OK** or **ESC** to select a screen display ratio (16:9 or 4:3).

### 13.9 Date

Press **ENTER** and then press **OK** or **ESC** to shift among date, month and year. Press **▲** or **▼** to adjust values. When finished, press **ENTER**.

### 13.10 Time

Press **ENTER** and then press **OK** or **ESC** to shift hour and minute. Press **▲** or **▼** to adjust values. When finished, press **ENTER**.

### 13.10 Alarm

Press **ENTER** and then press **OK** or **ESC** to shift among hour, minute and ON/OFF of the alarm. Press **▲** or **▼** to adjust values. When finished, press **ENTER**.

### 13.11 Brightness

Press **OK** or **ESC** to adjust the screen brightness.

## 14. Troubleshooting

If it appears that your unit is not functioning, first consult this checklist. It may be that something simple has been overlooked. Under no circumstances should you try to repair the unit yourself, as this will invalidate your warranty. Only qualified service personnel can remove the cover or service this unit.

### The unit does not turn on.

- Make sure the unit is plugged into a working AC outlet or is fully charged (only for version with battery).

### No picture

- Make sure you have not selected output to external display device.
- Make sure you have correctly insert media card.

### The remote control is not working.

- Make sure the battery is not empty.
- Make sure you are pointing the remote control directly at the unit while pressing the buttons.
- Make sure you are not using the remote too far from the unit.
- Make sure there is no obstacle between the remote control and the unit.

### There is no sound from the unit.

- Make sure you have not pressed the **MUTE** button.

### Buttons do not work.

- Try turn off the unit and turn on again to reset it. Do not touch the buttons until the main selection menu is shown.

### Some files do not display on screen.

- Check if the files you are trying to play is encoded in a format supported by this unit.

### Cannot play music, picture or video files.

- Make sure the mp3 files are not damaged. Try playing them on another player.
- Make sure the files formats are support by the unit. Refer to the table below.

Content	Minimum	Maximum	MS	MMC	SD/xD	CF/Internal Memory
JPEG, BMP	16x16	5120x3480	Yes	Yes	Yes	Yes
MP3, WAV	32k bps	256k bps	Yes	Yes	Yes	Yes
Motion-JPEG	–	10fps@720x480	Yes	Yes	Yes	Yes
MPEG4 ASP	–	720x480	No	No	<100KB	<250KB

## 15. Specifications

<b>Power supply:</b>	DC 10V
<b>Operation current:</b>	1.5 A
<b>Power consumption:</b>	max 18 W (max 10W for the unit operation without battery charging)
<b>Output system:</b>	NTSC
<b>File format:</b>	JPEG, BMP, MP3, WAV, AVI, MPEG
<b>Memory Card:</b>	MS, SD, MMC, CF and xD card
<b>Control mode:</b>	Remote control

## 16. Limited warranty

Our company will repair the product against troubles arising under normal use and operation conditions (non man-made problems such as abuse and misuse) for a period of one (1) year from the date of original purchase (warranty period).

Our company is not responsible for malfunction due to indirect, special and accidental causes.

Service / repair charges apply to the following conditions within Warranty period:

- A. Malfunction due to misuse (not following instructions in the user manual).
- B. Damage due to impact.
- C. Damage caused by service performed by anyone other than our company.
- D. Malfunction due to connections with other equipment.
- E. Damage due to fire, natural hazards etc.

## 17. FCC notice

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.