

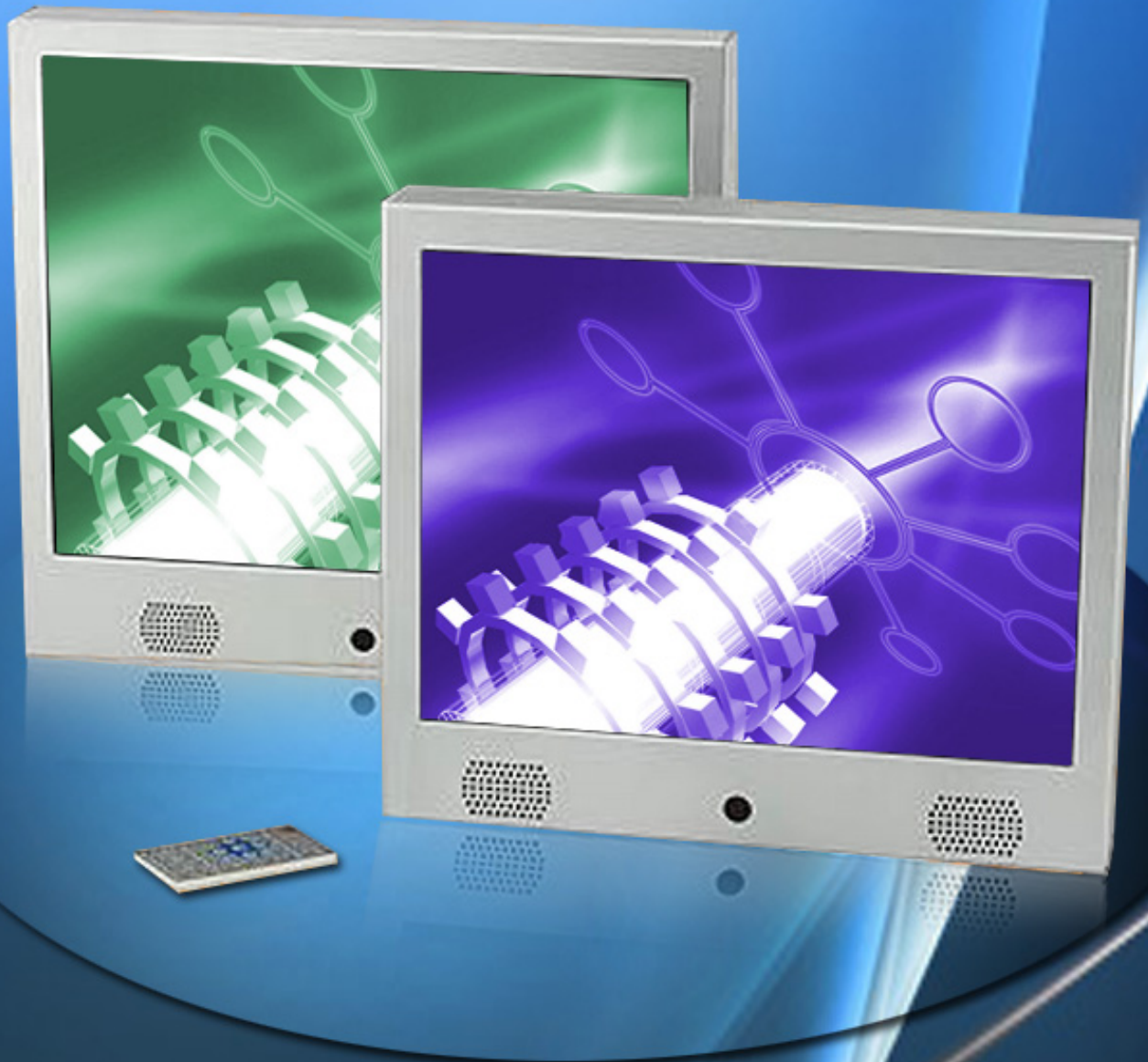
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User Manual

Digital Signage

Digital Advertising Display

Version 07.10



i-Tech Company LLC

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Important safety instruction

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



EMC/EMI

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 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.

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

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

Introduction

Welcome! Congratulations on purchasing the SG SERIES™ Advertising Display. How often is it that you realize that you have got hundreds of photos trapped on your PC or on your camera's or telephone memory card and not knowing how to easily display them? While some digital cameras let you view your pictures on a TV, they usually requires a special cable and runs down the batteries; or you can view them on your PC, but that means they are stuck in and with your PC. But now with the SG™ it brings portable viewing pleasure to new heights.

The SG SERIES™ allows you to view your pictures on your kitchen counter, office desk, car, boat, train - anywhere, everywhere. Simply insert your digital camera memory card into the frame (it allows for different memory card formats--- and the frame automatically displays the photos on its bright, colorful Crystal clear 8" LCD screen. You can adjust the SG™ frame to display just one shot, or to cycle through all the photos via the self-running "slideshow" mode. A handy, credit card-size remote control lets you move forward or backward through your photos at will for added convenience. And you can set the frame to use a variety of transitions between photos (example, wipes, "window blinds" etc). Depending on the capacity of the memory card, it is possible to view hundreds or even thousands of pictures & video on the frame!

But that's not all! Unlike most other digital picture display devices out there, the SG SERIES™ can also play MP3 (music) files through its built-in speakers.

The frame can be easily configured to play MP3's while simultaneously displaying photos, alternatively it can either play MP3 files or display photos alone. The unit also supports MPEG4, DivX and XviD movie formats for playback of digital camera movies or movies created on your PC. USB connectivity makes file transfer fast and simple.

The audio can also be routed out through a standard AV jack to your computer speakers or your home audio system. What's more, you can also use the handy video-out jack and included video cable to run a slideshow on your TV screen or Screen projector.

So please take some time to read through this manual carefully in order to fully enjoy a truly portable multi media viewing experience.

Unpacking

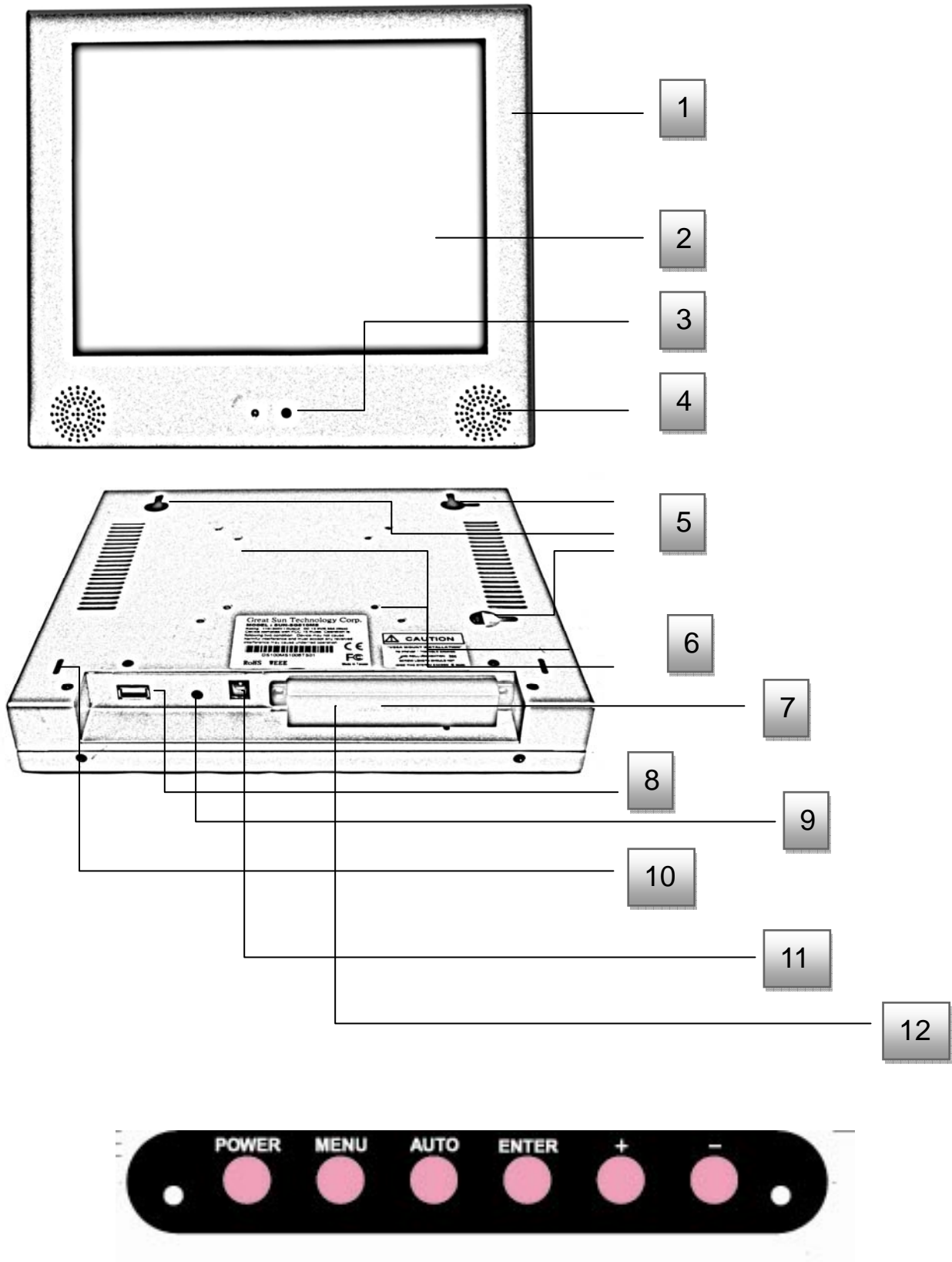
■ **Digital Display**

■ **Remote Control**

■ **Power Adapter**

SG SERIES

Front View



Identifying the Parts

1. Bezel Front Frame
2. LCD
3. IR Sensor
4. Front Firing Speakers
5. Wall Mount holes
6. VESA Mount Holes
7. Card Cover
8. USB Port
9. AV out
10. Kensington Lock
11. Power
12. Behind Card Cover/ Card input Slot

Features

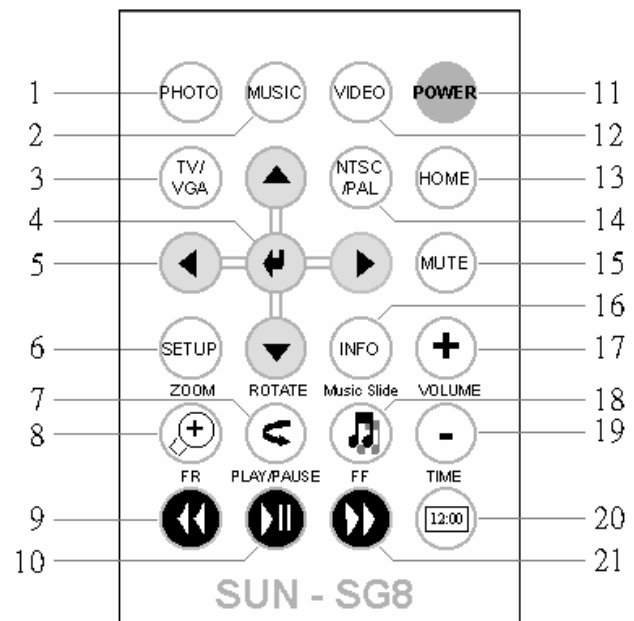
1. SG SERIES supports photo, music, and video playback functions
2. Supports the following memory card formats: CFI, II / MD / MS / SM / MS pro / SD / MMC/SM (optional)
3. Photo data format: JPEG & BMP
4. Stereo MP3 format decoding
5. Video Format: M-JPEG (Digital Camera), MPEG1 (VCD), MPEG2 (DVD), and MPEG4 (Movie)
6. Support NTSC / PAL composite video output
7. Support photo zoom, rotate and slide show with background music.
8. Allows for copying of files between different format cards.
9. Able to copy files from USB port, such as digital camera and memory stick, to CF memory card
10. Compatible with most digital cameras' stored JPEG images & Motion JPEG.
11. Calendar with month and date display.
12. Clock: Time, Alarm clock with snooze function
13. DXSB for Divx network & Multi –Audio Xvid for Divx codec
14. Remote Control, with easy operation for copying, deleting of files between different memory card.
15. Select any photos to favorite file to make special slide show for your optional photos.
16. Photo rotate/Zoom/thumbnail/Auto Slide show(Rotate function memory-Optional)
17. File and/or data can be swapped between other different Memory card to CF Card.
18. Compatable for use in Car, Truck, Boat with a special design (12 or 24V) cable. (optional)
19. Can be connected with External HDD to load or run the HDD's data (optional)
20. Can pre-set up this unit Auto-power "On" or "Off" by user at three intervals (optional) and assign different sources of flash Cards.
21. VESA Mount (75mm or 100mm) compatible
22. Sleek "credit card" style remote control
23. User-Friendly on–screen display allows for easy user control
24. Universal Kensington Lock
25. Photo Slide show interval time setting 1/3/5/10/30/60/300/1800/3600/7200 (optional) sec.
26. Interchangeable Frames
27. Universal Power - for Line Voltage of 90 - 240V (Designed to meet International Standards)
28. Favorite files for Photo, Music, Video, memory function (Optional)

Remote Control Operation

- 1** PHOTO: To photo screen
- 2** MUSIC: To music screen
- 3** TV/VGA: Setup output. (TV / LCD F
- 4** Enter: Action button
- 5** Navigation: Left/ Right/ Up/ Down
- 6** SETUP: To setup menu
- 7** ROTATE: Rotate photo 90/180/270°
- 8** ZOOM: Photo zoom 2x, 3x, 4x, off

The Rotate photo is automatically saved


- 9** FR: Fast Rewind
- 10** PLAY/PAUSE: Play/Pause
- 11** POWER: Power switch
- 12** VIDEO: To video screen
- 13** HOME: Go back main menu & display memory card selection.
- 14** NTSC/PAL: Select composite output System (NTSC/PAL)
- 15** MUTE: Mute function
- 16** INFO: Show information
- 17** VOLUME+: Volume up
- 18** Music Slide: Music slideshow
- 19** VOLUME-: Volume down
- 20** TIME: Time function
- 21** FF: Fast Forward play





1. Direction icon and Enter




2. Volume control

To increase the volume press button  「VOL+」 .

To decrease the volume press button  「VOL -」 .

To mute the volume press button  「MUTE」 .


3. Time


To view real time, press  「TIME」 .

4. Play/Pause

In PHOTO、 MUSIC or VIDEO mode


First time press  「Play/Pause」 button will start to play.

When  button is pressed again, the playing will be stopped temporary.

Press  button to resume playing.

5. Fast play/Fast rewind


When playing PHOTO、 MUSIC or VIDEO

Press  「FF」 will enter into fast forward mode.

Press  「FR」 enter into fast rewind mode.

6. Music-Slide


At PHOTO or MUSIC mode

Press  「Music-Slide」 button then you can watch photo with MP3 background music

7. Info


Press  to display file information or in file library, this button

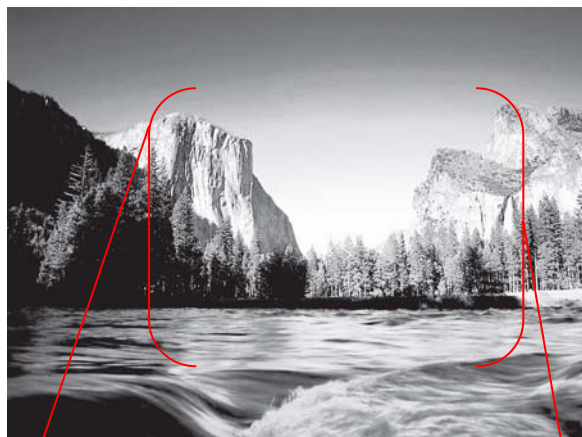
8. HOME

When playing PHOTO、MUSIC or VIDEO, press  to go back main menu.

Note: You cannot go back to main menu if the Auto Start in Setup menu is set On, need to turn Auto start Off first

9. Zoom in

When playing PHOTO, press  「Zoom+」 to magnify (3X/4X/OFF)



Tip: The remote control range is 5m or less within a +/-45 horizontal and +/-5 vertical angle from the remote sensor. If the remote's battery is low, the remote may not function properly, so replacing the battery immediately is recommended

Easy 3 steps hardware installation

Please follow the 3 steps to install.

[Step 1] Please put Digital Album on a stable table.

[Step 2] Connect the power adapter from Digital Album DC power jack to power outlet.

[Step 3] Insert memory card to access contents before beginning to view or listen to the files.

If you need to show on other display device, please connect the AV cable from AV connect pin on the digital album to composite video-in port on the other display device.

Support memory card

□ CFI

□ CFII

□ MD Card

□ SM Card Optional

□ MS Card

□ MS Pro Card

□ SD Card

□ MMC Card

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Tip: This product support several types of memory cards such as SD/MMC, MS Pro, and CF. Since there are many memory card brands, it is recommended to test whether a card is compatible with this product. (Note: This product does not support illegal cards) If the card is inserted correctly and the startup picture is displayed but the card fails to read, it is recommended that you shut down and repower the unit or reformat the card before writing files onto it.

Easy operation

First select device as follow



then main menu will show.

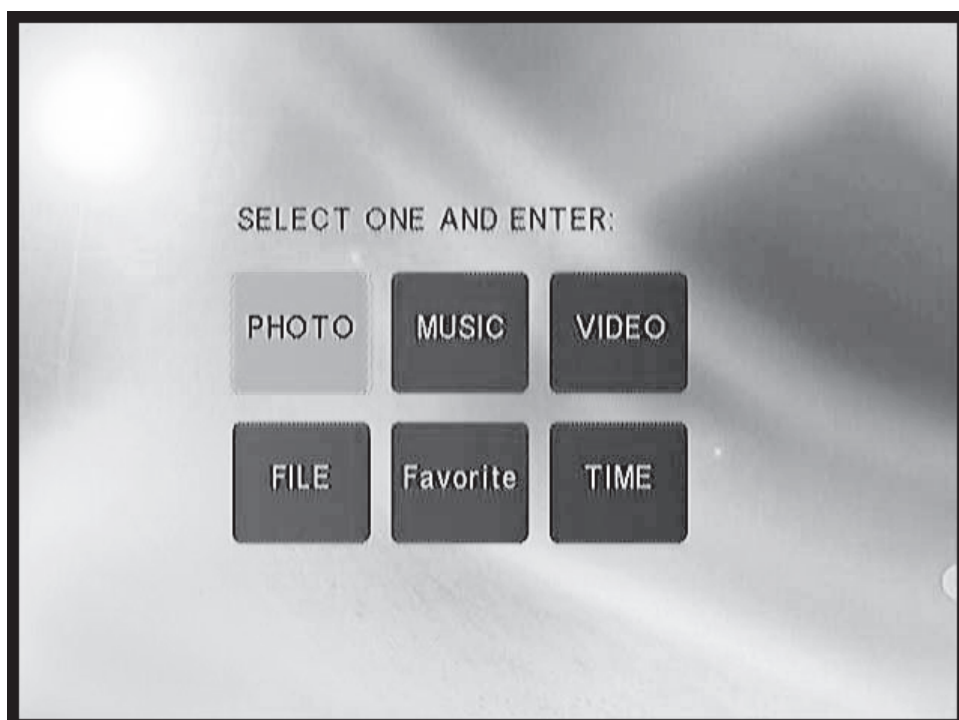
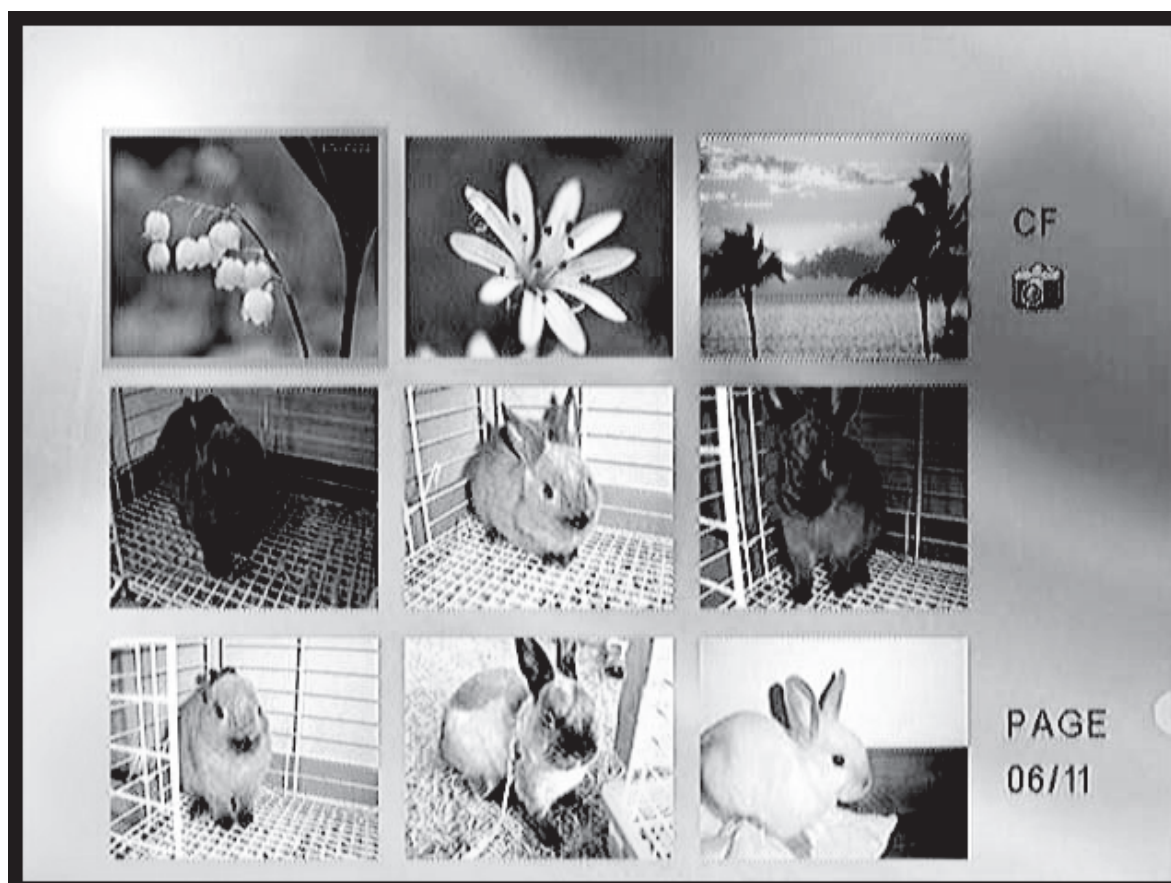


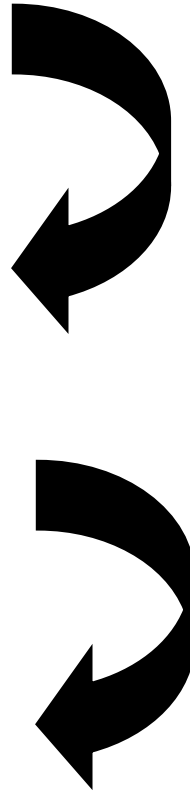
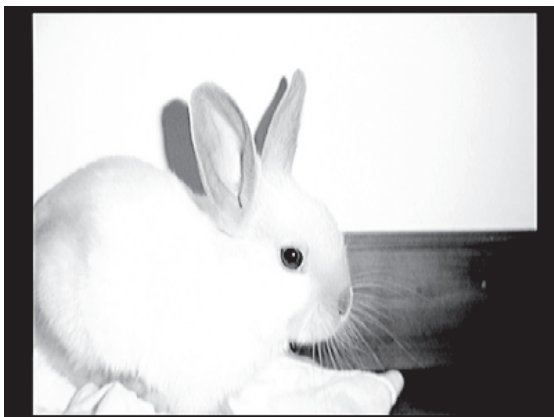
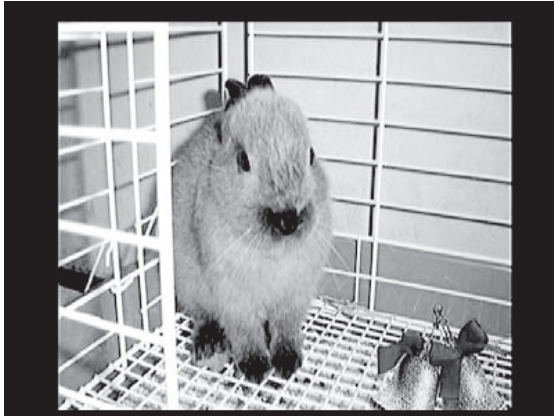
Photo mode



In photo mode, the photos would be displayed in a thumbnail mode




You can use  ,  ,  ,  to select photo.



Select one photo and press  , then photo shows slide full screen.




In slideshow mode use  to view previous photo, use  to view next photo,

use  to play/pause photo.

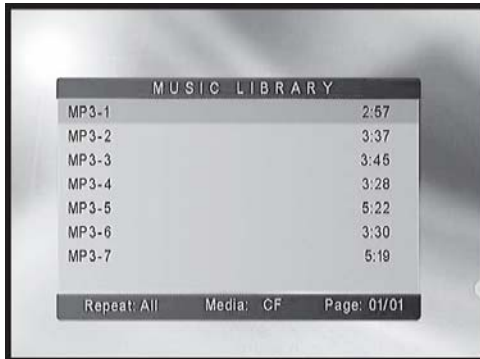
Slideshow mode can select in setup menu.




Press  slideshow with back music, press  back to main menu.


Press remote control  see calendar and o'clock data in Photos, Music and video files


Music mode

In Music library mode, the mp3 file list would be displayed





You can use  ,  to select mp3 file ,and use  to play/pause mp3 file,

Press  「VOL+」 to increase the volume.

Press  「VOL -」 to decrease the volume.

Press  「MUTE」 to mute the volume.

Press  「FF」 will enter into fast forward mode.
(FF 2X,4X,6X,8X)

Press  「FR」 enter into fast rewind mode. (FR 2X,4X,6X,8X)

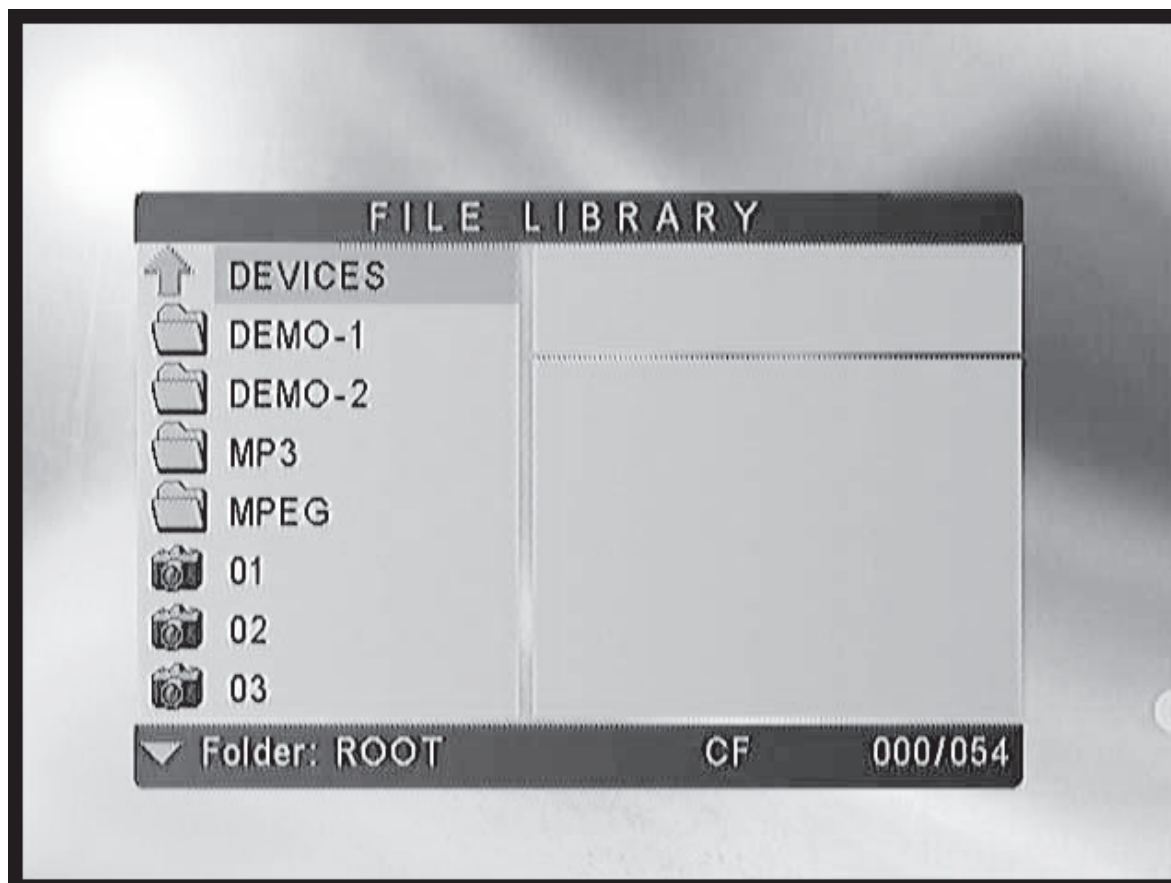
Select one of mp3 files and press  , you can see the EQ Mode.



And then press info button, it's can transfer EQ (7 mode — standard, classis, jazz, rock, pops, ballad, dance).

File library mode

In file library mode you can easily copy or delete file.



Video mode


In Video mode shows thumbnail mode, and selected video will play in thumbnail mode.





You can use  ,  ,  ,  to select video file.

Select one video file and press  , then video shows full screen.



Press  「VOL+」 to increase the volume.

Press  「VOL -」 to decrease the volume.



Press  「MUTE」 to mute the volume.


Press  「FF」 will enter into fast forward mode.

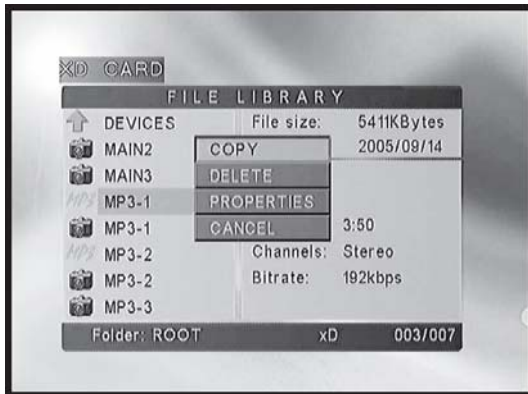
Press  「FR」 enter into fast rewind mode.

SG can play file data format of M-JPEG,MPEG1, MPEG2, and MPEG4

File copy

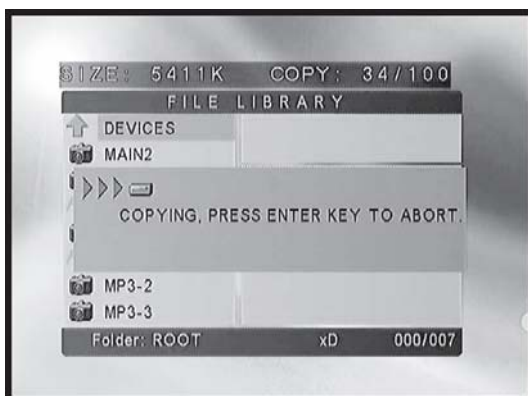
[Step1] use  ,  to select file1

[Step2] press 

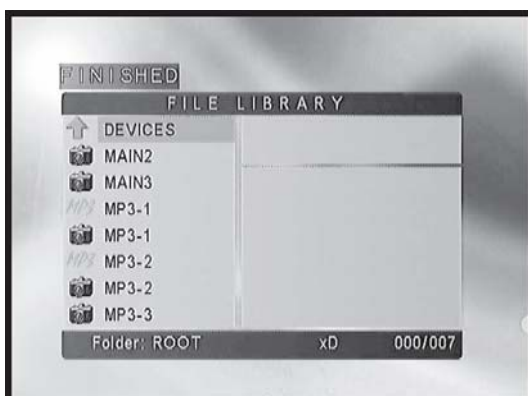


Only support copy files (All data in card or USB device) will copy to CF card.
Copy file function can only execute 1 time in each start, to copy for a second time, it would require a restart of the SG. If the CF card has insufficient space, the last file copied would be incomplete.



[Step3] select copy file and press 




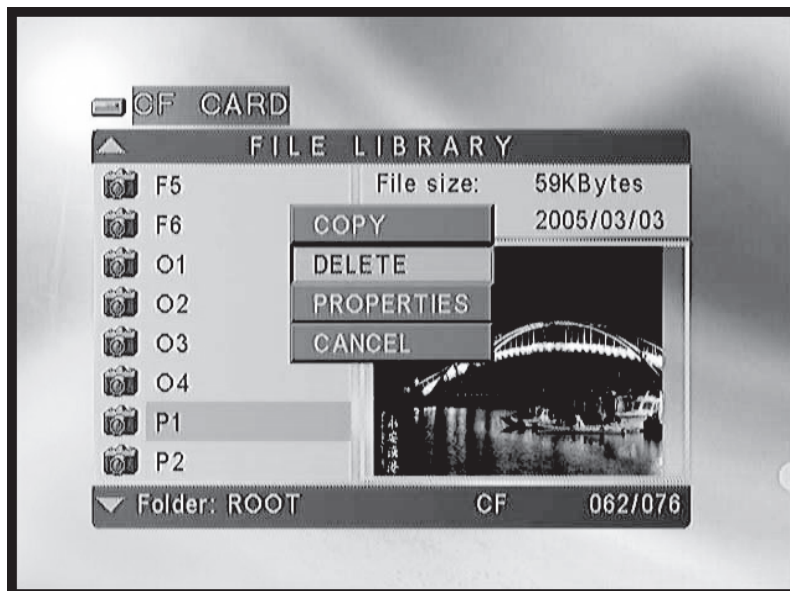
[Step4] screen shows file copying is finished.



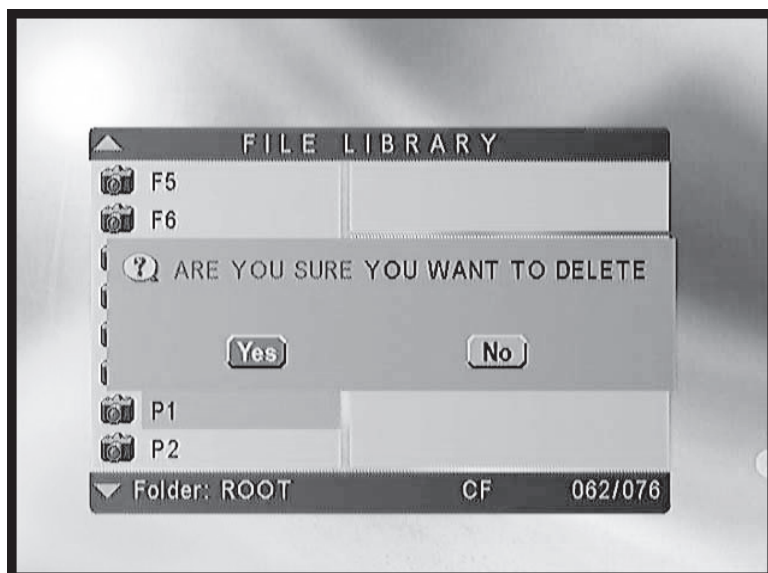
File delete



[Step1] use  ,  to select file.

[Step2] press  .

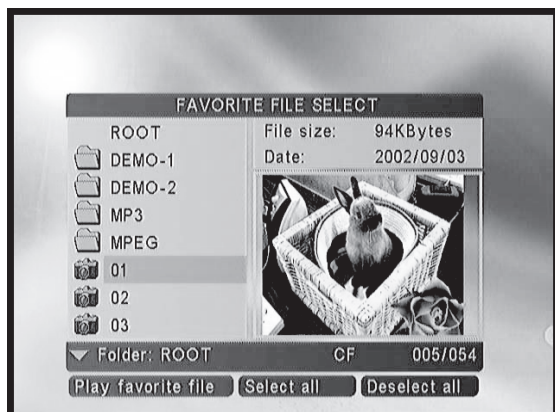


[Step3] select delete and press  .






[Step4] press  to select yes and press  .

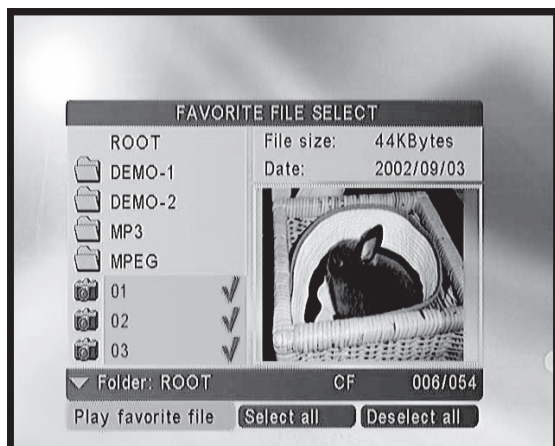
Favorite mode





In favorite mode, Use remote control “Enter” key to select files in “Favorite” list would be displayed only

Press  ,  to select files, then press 

You can select your favorite files





Then press  to select 「Play favorite file」 , and press  , and then your selected favorite files will circulate show on screen.

How to save the selected favorite files?
To save the selected favorite files, click home button on the remote control.

AMS Feature: Optional

AMS: Auto Memory Save

The Marked  Data in the Favorite file shall be memorized even after the display is switched OFF & ON manually, by Auto setup, by power surge or loss of power.

Display shall play the selected data **marked**  & also when system selected Auto start ON, turning ON system will play favorite file in loop or repeat pattern as chosen only.

If the system favorites file without any data, system will play all the other existing flash card data in one time or repeat pattern as user set.

Tip: The Display shall turn to standard mode and go to home page only when no card is detected or all data on the card is erased or deleted.

USB Auto DATA Transfer (Optional)

System will delete all content of CF card data first, then, the new files will be copied from USB flash driver to CF memory card (Compact Flash Card) automatically



Step 1: Use PC to save our co. authorization code on a USB Flash Driver along with the data folder ready to be transferred to the display.

Step 2: Switch on the Display in a standard mode.

Step 3: Connect the USB Flash Card to system USB slot.

Step 4: The above warning shall be displayed beginning with the 10 sec count down. Now you have 10 seconds count down to abort the transfer update or continue. Once the countdown is complete, System will delete all content of memory CF card first, and then the new files will be copied automatically from USB flash drive to CF (Compact Flash Card)

Within 10 secs pull out USB driver, system will stop to delete CF card data & copy function. User need to power off & on to start this system again.

What is an authorization code and where can I find it?

If you wish to obtain your authorization code to be able to auto transfer data from USB flash drive to CF (Compact Flash Card), simply contact your existing supplier to obtain your code.

AUTHORIZATION: codes are required in order to prevent the device against use by third Parties.

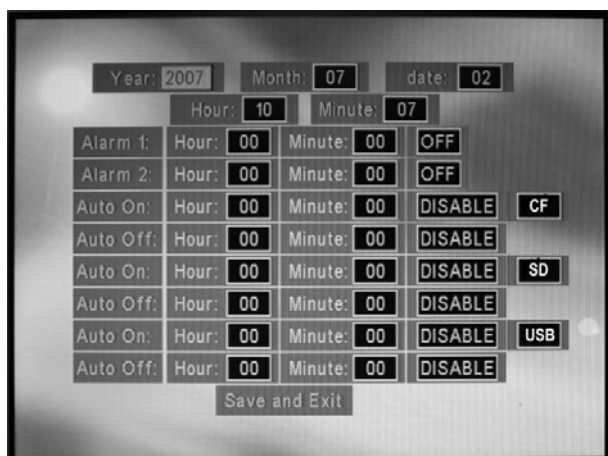
Tip: Data transfer duration depends upon card speed (Speed 1MB/ 5 ~ 6 secs)

Data delete duration depends upon card speed (Speed 32MB/per sec)



Caution: USB Auto DATA Transfer only possible from USB flash drive to compact flash card (CF) .When transferred new data form USB, Screen will show “finished”, User need to turn off & on system to play new data immediately.



Time mode






「ENABLE/DISABLE」

You can set time, date, 2 alarms, and Auto power on, Auto power off in the time mode in 3 sequence or intervals.

Press  ,  to select item.

Press  ,  to adjust item value ,or switch 「ON/OFF」 ,and switch

after setting finished, Press  or  to select 「Save and Exit」 , and press  , then time setup is finished.



If you turn on the alarms, when it reaches the pre-set time, the unit will ring for 5 minutes (in increasing volume), after 5 minutes, the alarm would shut down automatically.

And in photo/music/video/file mode you

can press  to view real time, as follow figure.

Setup menu

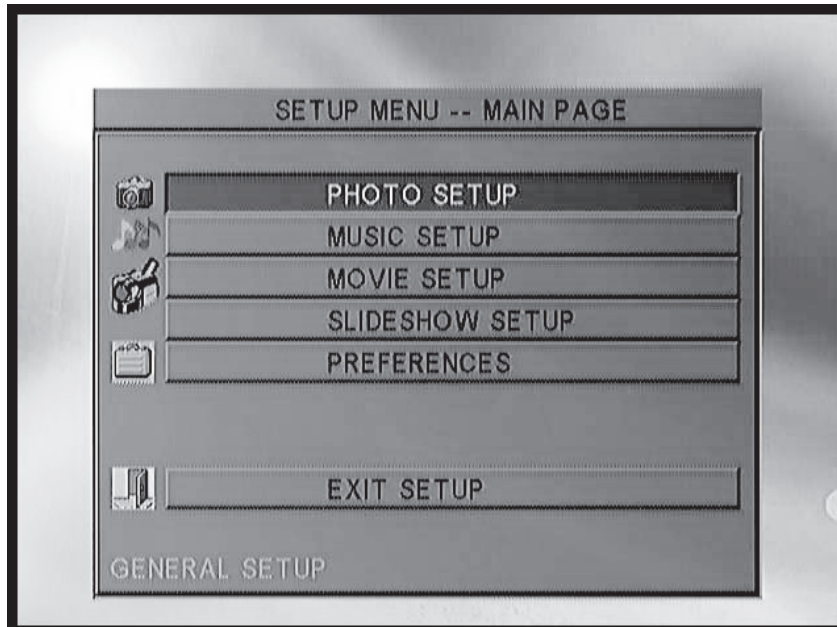


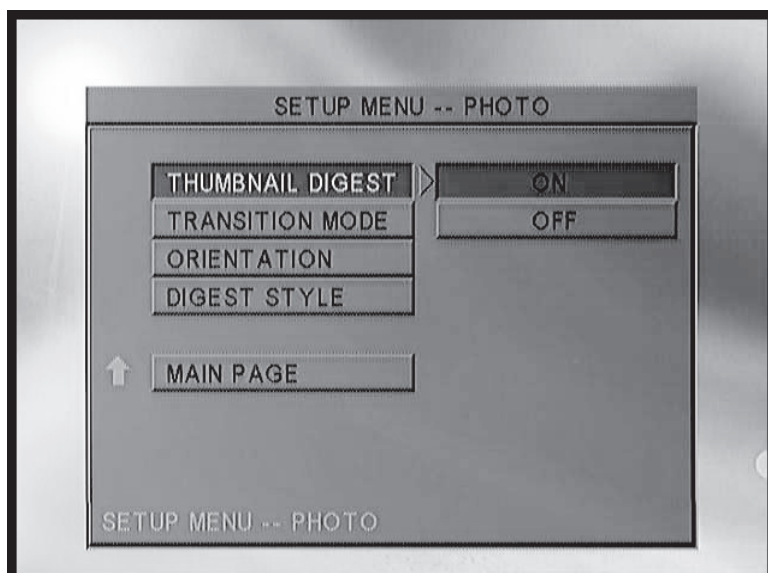
Photo setup

Thumbnail digest (on/off)

Transition mode (fast/slow)

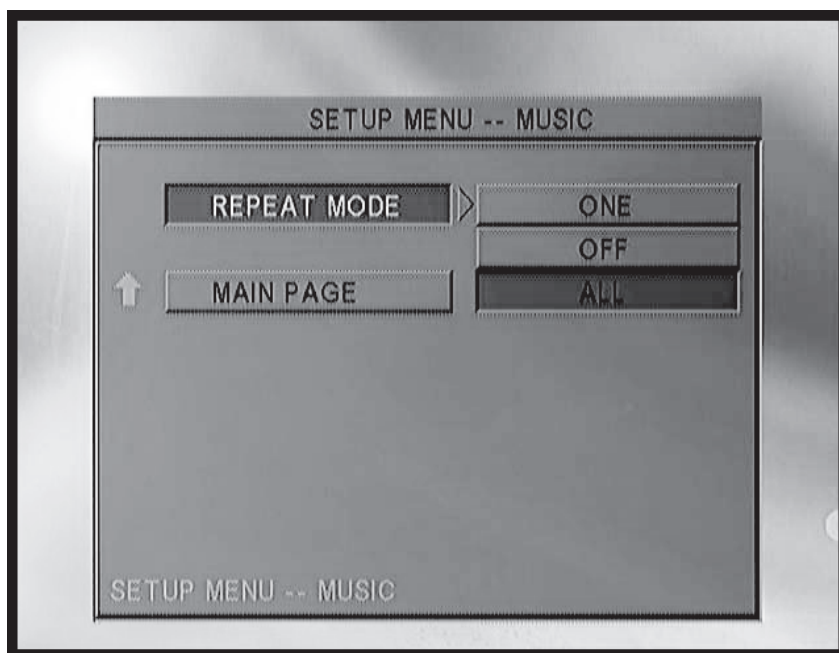
Orientation (default/ignore)

Digest style (2*2 / 3*3 / 4*4 / 5*5 matrix)



Music setup

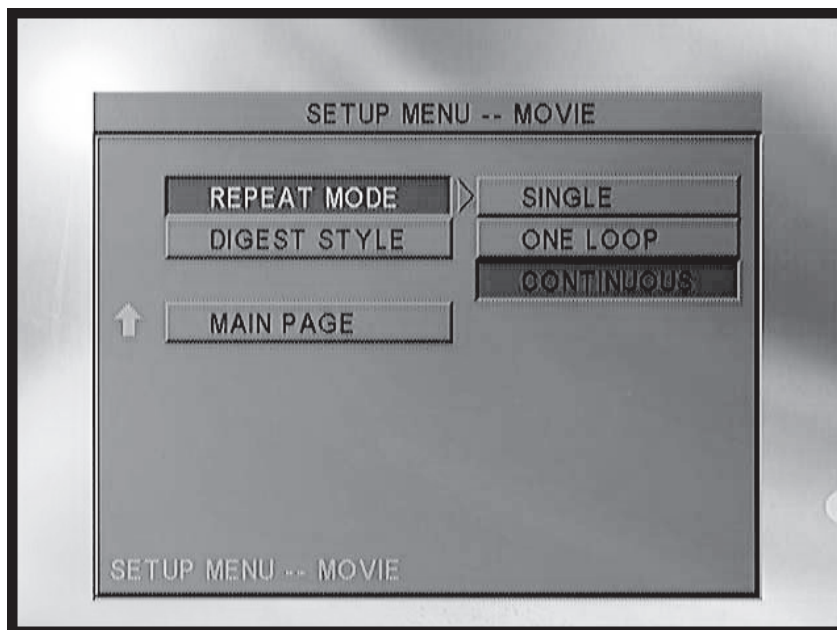
Repeat mode (one/all/off)



Movie setup

Repeat mode (single/one loop/Continuous)

Digest style (2*2 / 3*3 / 4*4 / 5*5 matrix)



Slideshow setup

Slideshow mode (manual/auto) :

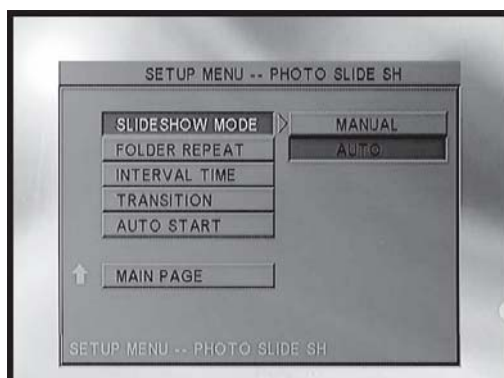
If choose Slide Show “Manual”, SG will show photo one by one and stop.

Need to change photo by remote control one by one

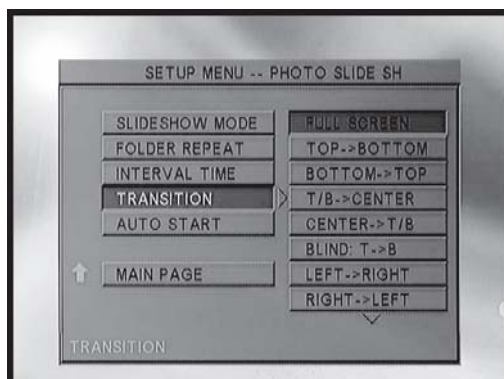
Folder repeat (on/off) : Running the folder one time stop or repeat Interval time (1 / 3 / 5 / 10 / 30 / 60 / 300 / 1800 / 3600/7200 optional) second.

Transition (full screen/top to bottom/bottom to top/T B to center/center to T B) (blind: T to B/left to right/right to left/L R to center/center to L R) (Implode/blind: L to R/cross fade/ random)

Auto start (on/off): choose Auto start on. When next time turn on (or Auto power on) SG, will show photos, Music, Video files automatically.

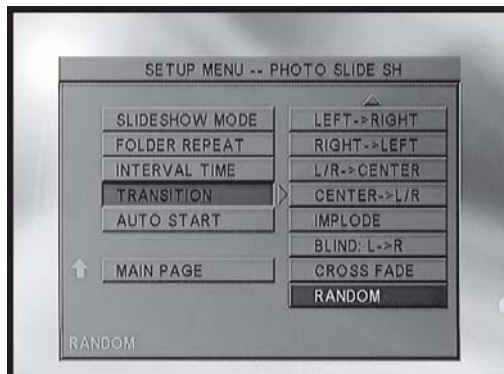


If choose SLIDE SHOW Manual, SG will show one photo only and stopped, need to change photo by remote control one by one.



How to disable Auto Start?

1. Click PHOTO button on remote control.
2. Click SETUP button on remote control.
3. Go to Slideshow setup and turn off Auto Start



If choose bottom "random", SG will show photos by 13

Preferences

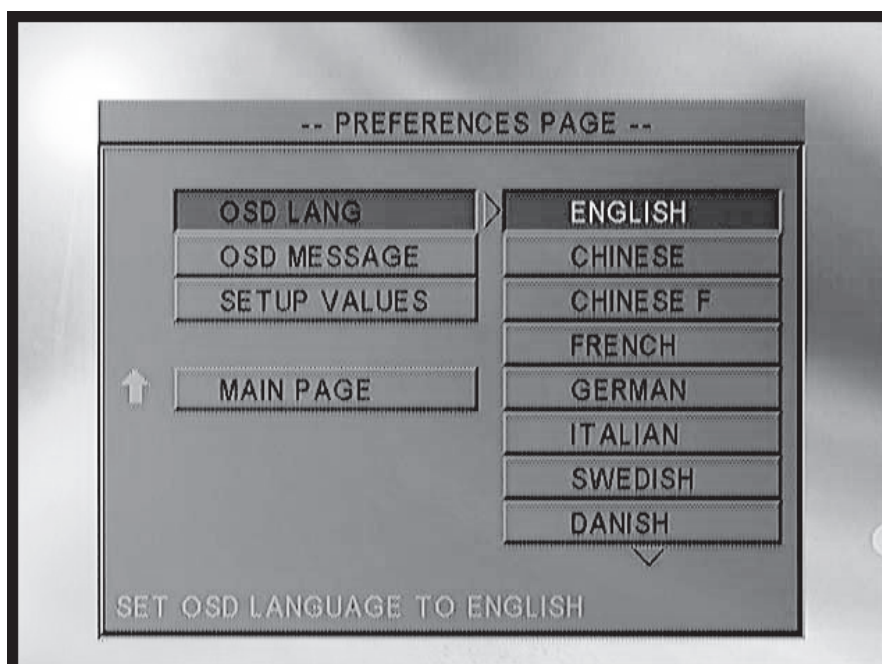
Preference only setup in main menu and device select frame.

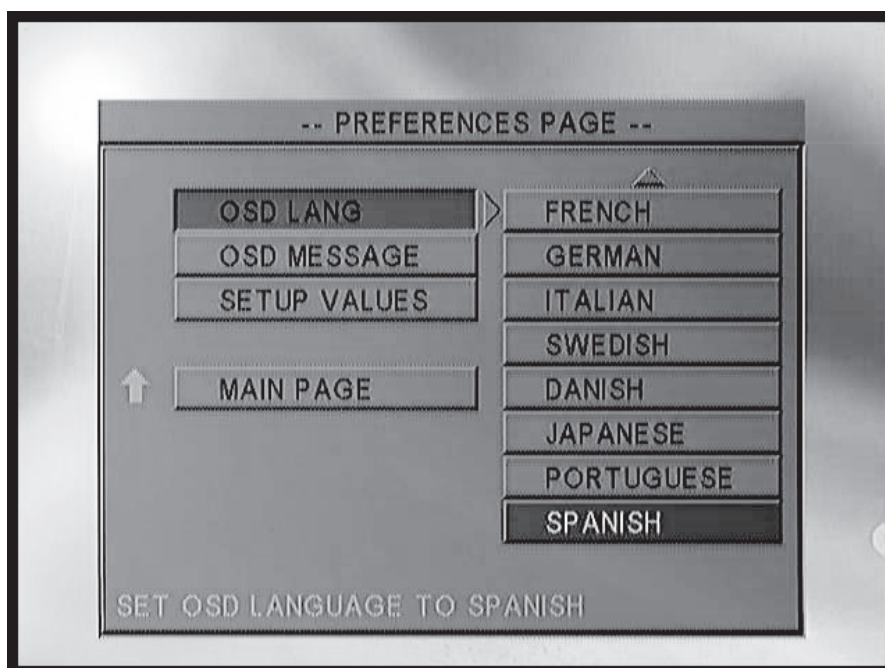
OSD LANG (English/Chinese/Chinese

F/Japanese/French/German/Italian/Swedish/Danish/Portuguese/Spanish)

OSD message (on/off)

Setup values (default)





Specification

| | |
|--------------------------------|---|
| Panel interface | LCD Digital Panel |
| Video Format | M-JPEG / MPEG1 / MPEG2 / MPEG4 (see Table 1) |
| Music Playback | Stereo MP3 format decoding (32Kbps ~256Kbps) |
| Photo Viewer | JPEG (max. 5120x3840) |
| Expansion Memory | Card Reader (CFI, II/ MD/SM/MS/ MS Pro/ SD/ MMC) |
| Audio format | 2CH audio D/A converter |
| USB port | USB1.1/i2.0 optional Host |
| Speaker Driver | 4 ohm 3W |
| I/O connector | USB host connector , Audio/Video connector , DC-IN Jack |
| LED Indicators | Power LED (Green / Orange) |
| Control Button | 8 control keys (Power, Time and 6 bottoms for Media-Player control) Media-Player function (Home, Left, Right, Enter, Volume+, Volume-) |
| Remote Controller | Yes |
| Power Adapter | Input: 100-240V~50/60Hz 0.6A Output: DC 12V 2.5A |
| Friendly User Interface | <p>---- Photo Slide show interval time setting 1 / 3 / 5 / 10/ 30/ 60/ 300/ 1800/ 3600/7200 optional sec</p> <p>---- 12 photo slide transition selection</p> <p>---- 16 OSD language select</p> <p>English / French / German / Italian / Portuguese</p> <p>Spanish / Chinese/ Chinese F/ Japanese/Swedish /Danish</p> |

- Photo and Movie digest style from 2x2 to 5x5 matrix
- MP3 and Movie repeat select off / one / all
- MP3 equalizer display
- File library for file select
- Calendar with month from 1997 to 2097
- Copying of files by remote controller
- Easy copying of files to CF card.
- Slide Show JPEG photos up to 500pcs (1000pcs Photo Optional)

Table 1:

| Content vs. Card | Minimum | Maximum | MS/Pro | MMC | SD | SM/xD | CF | MD/HDD |
|-------------------|---------|-----------|--------|-----|--------|--------|--------|--------|
| JPEG, TIFF, BMP | 16x16 | 5120x3840 | YES | YES | YES | YES | YES | YES |
| MP3, WMA, AAC | 32K bps | 256K bps | YES | YES | YES | YES | YES | YES |
| Misc Slide Show | | | YES | YES | YES | YES | YES | YES |
| Motion-JPEG | | 10fps @D1 | YES | YES | YES | YES | YES | YES |
| MPEG1 | | | YES | YES | YES | YES | YES | YES |
| MPEG4 SP | | QVGA/CIF | YES | YES | YES | YES | YES | YES |
| MPEG4 ASP | | D1 | NO | NO | <100KB | <100KB | <250KB | YES |
| Divx 3.11/4.x/5.x | | D1 | NO | NO | <100KB | <100KB | <250KB | YES |
| MPEG2 | | D1 | NO | NO | NO | NO | NO | YES |

NOTE 1: Card read speed need more or equal to 2Mbps

NOTE 2: Card read speed need more or equal to 8Mbps

Caring

In order to get the maximum performance out of your SG please take note of the following basic usage and caring tips:

- Do not drop, jar, bump, shock or expose SG to severe vibration.
- Do not operate or store SG in a dusty environment.
- Do not leave SG under direct sunlight, in a parked car, or in other situations where the temperature may be above 140°F (60°C).
- To prevent risk of heat buildup, place SG in a well-ventilated location.
- To prevent risk of short circuit and damage, do not expose SG to liquids, precipitation, or moisture.
- To avoid bodily injury or damage to internal components, do not attempt to dismantle or modify the SG on your own.
- Do not use excessive force to insert the memory card if it does not insert smoothly. Instead, examine to see if the memory card orientation and slot is correct.
- Do not leave the SG running unattended.
- Use only power adapters and cords provided by the manufacturer.



Caution: Likely any electrical device, SG will become warm after prolonged periods of use. If you notice that SG becomes excessively hot, power-off SG and allow it to cool down before resuming use.



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