90130, 90131, 90132 POP DISPLAY
ASSEMBLY INSTRUCTIONS

WARNING!
Ensure ALL hardware is securely fastened using appropriate tools to prevent damage to the display unit, the products or any injury due to inadequate installation.

| CAUTION: |
| --- |
| **When mounting the display unit on the wall, ensure the unit is secure and all brackets are secured to studs. Poor installation may result in damage to the unit or injury.** |

The following steps are typical of most installations:

1. FIGURE 1 below demonstrates the proper assembly of the unit. Begin by assembling the legs first. This will give you a sturdy base to attach the grid wall.

FIGURE 1
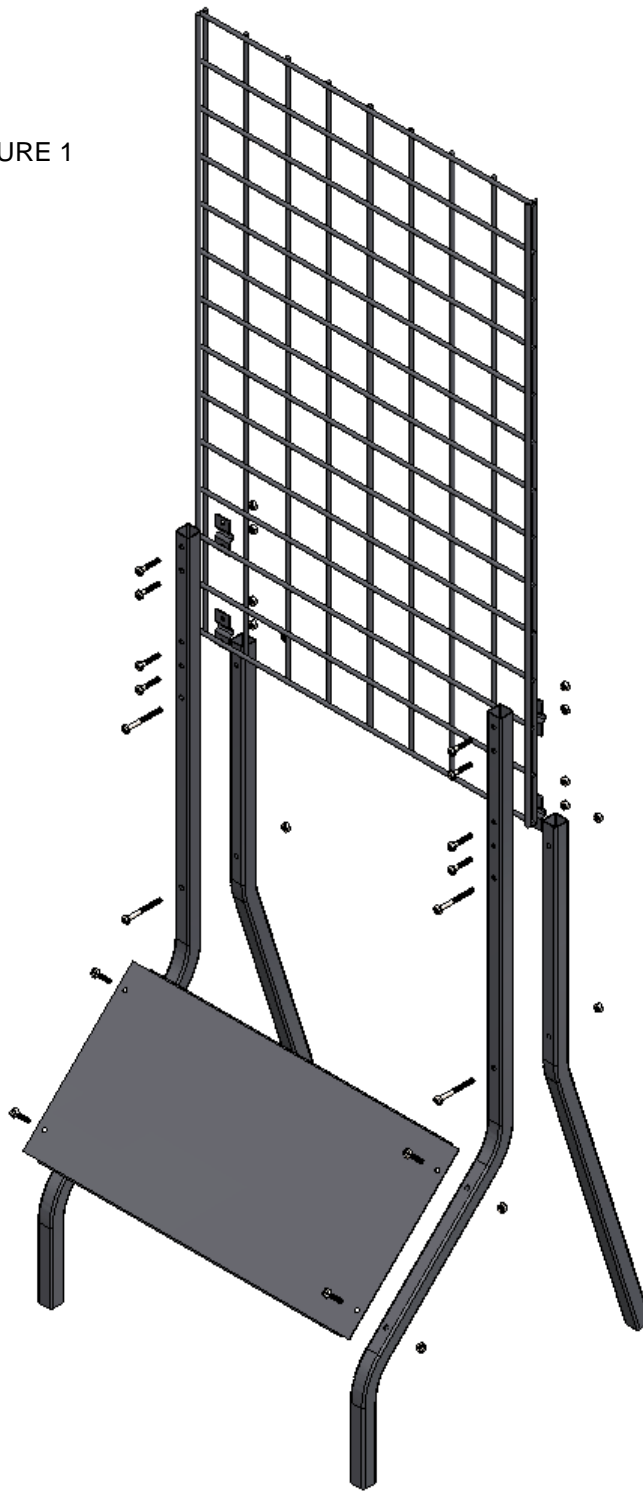
2. Once the legs or stand is assembled, attach the grid wall vertically using the appropriate clamps, bolts washers and nuts. See FIGURE 2 below.
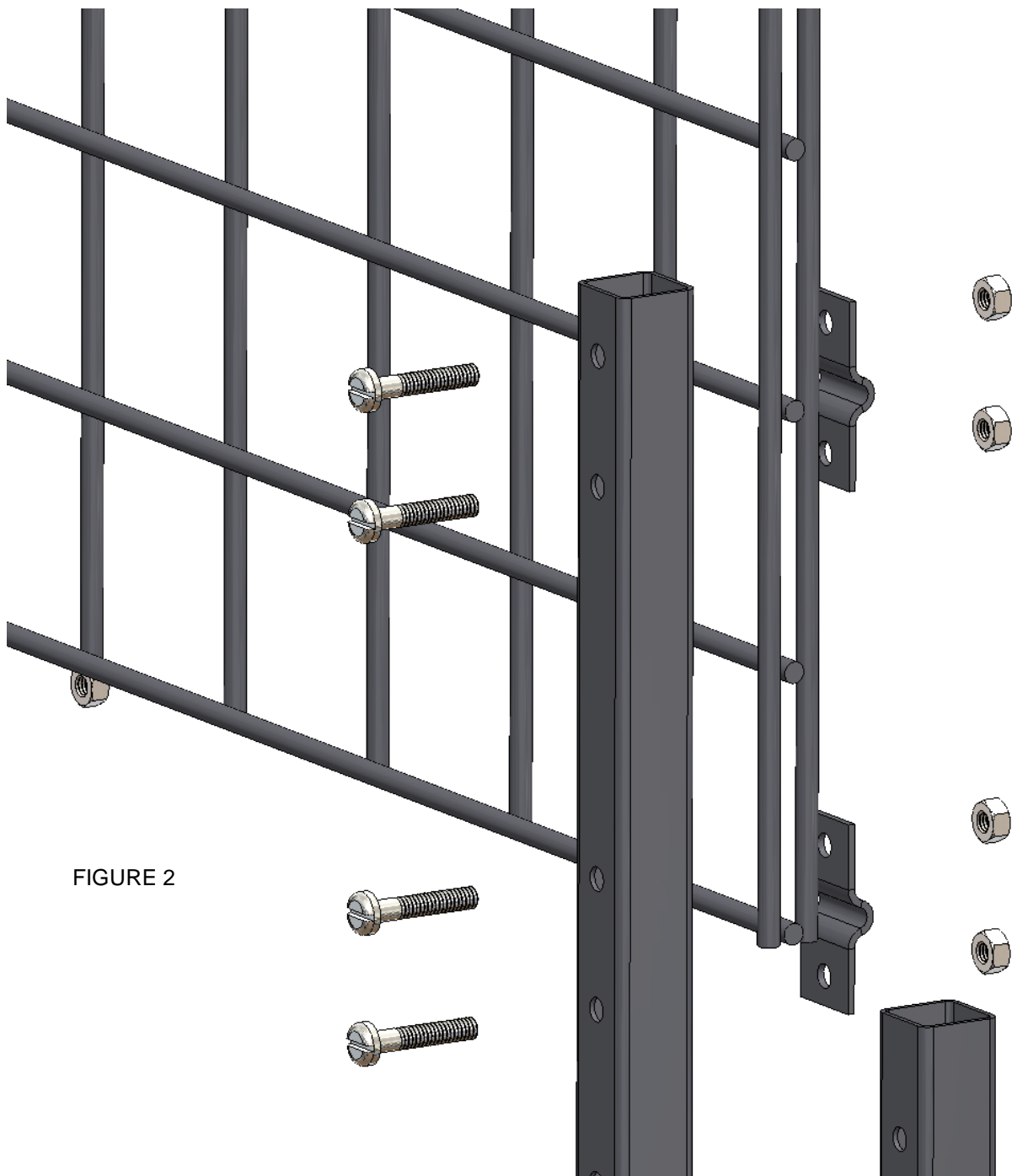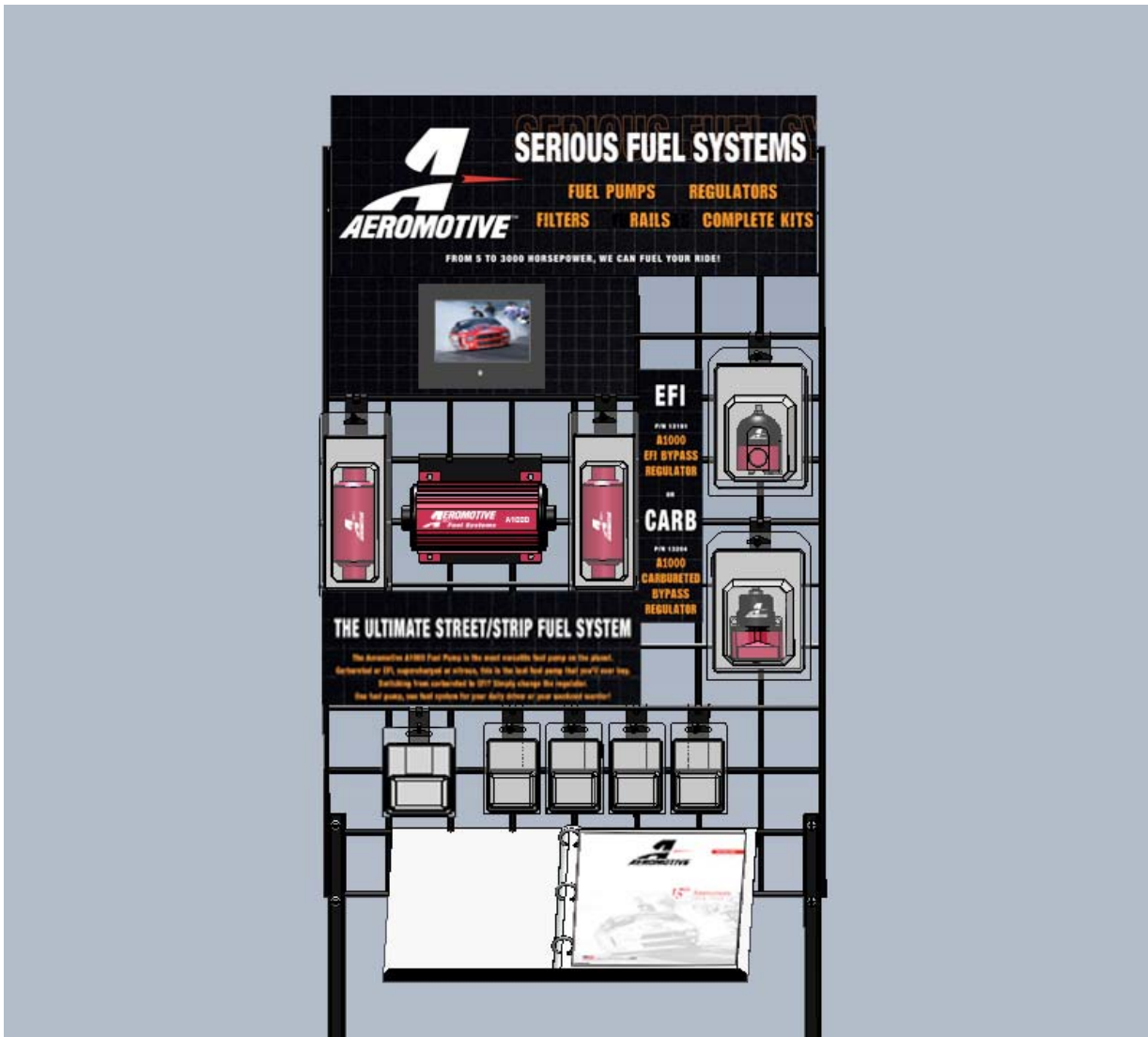
FIGURE 2

3. At this point, begin attaching the products using the hooks and packages provided. See FIGURE 3 below for the appropriate layout. (NOTE: The A1000 Fuel Pump is a display product only. This can be attached to the stand-off bracket using the provided angled bracket, bolts and nuts. This should secure the fuel pump to the stand)

FIGURE 3

4. Position the provided signs before attaching the to the small white clips. One you have determined there is adequate space for the signboards, set the signs aside and attach the white clips to the grid wall (adhesive side facing out forward) in locations that will secure the sign. Remove the adhesive backing from the white plastic clips and position the sign. Press the adhesive backing to the back of the sign. Once you have secured the sign to the clips, they are not easily removed.

    IMPORTANT: Attach the clips to the grid first and the signs to the clips second. This will ensure the signs will be in the right location. **Signs should be on the front of the grid wall, NOT behind the grid.**

5. Included with the signs boards is a plain black board. This board is the background board for the LCD unit. From FIGURE 3, the board will be positioned just below the header board. Position this board in the desired location on the front of the grid wall. With the "LCD Mounting Bracket" (shown in FIGURE 4) in hand, move to the backside of the grid wall. Position the LCD Mounting bracket in the center of this board. With a pencil, trace around the bracket on the backside of the board. This will be your cut mark. Set the board on a flat surface, with a box knife or Exacto Knife, cut out a square in the center of this board, approximately 1/8" larger than your cut marks. This will allow you to attach the LCD unit to the front of the grid wall with the black signboard in between (as shown in FIGURE 3 above).

FIGURE 4

LCD Mounting Bracket
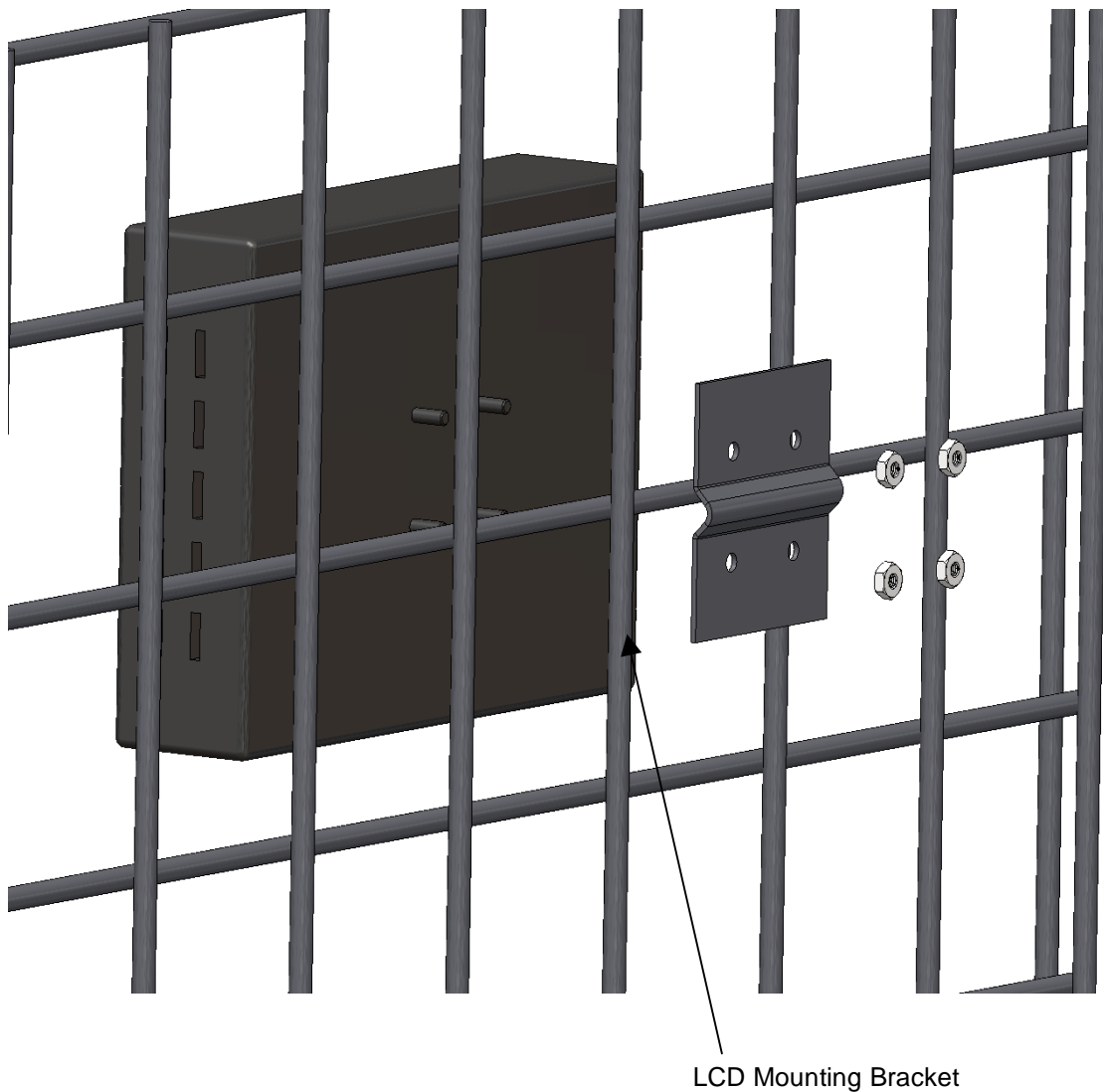
6. Using the LCD Mounting Bracket shown in FIGURE 4, mount the LCD unit to the grid wall with appropriate nuts. The nuts can be found on the studs on the back of the LCD unit.

7. For LCD Instructions and calibration, see the User's Manual starting on Page 7

8. Using the provided catalog, attach the catalog to the 3-ring binder assembly.

9. The finished POP Display should resemble FIGURE 5 below.

FIGURE 5
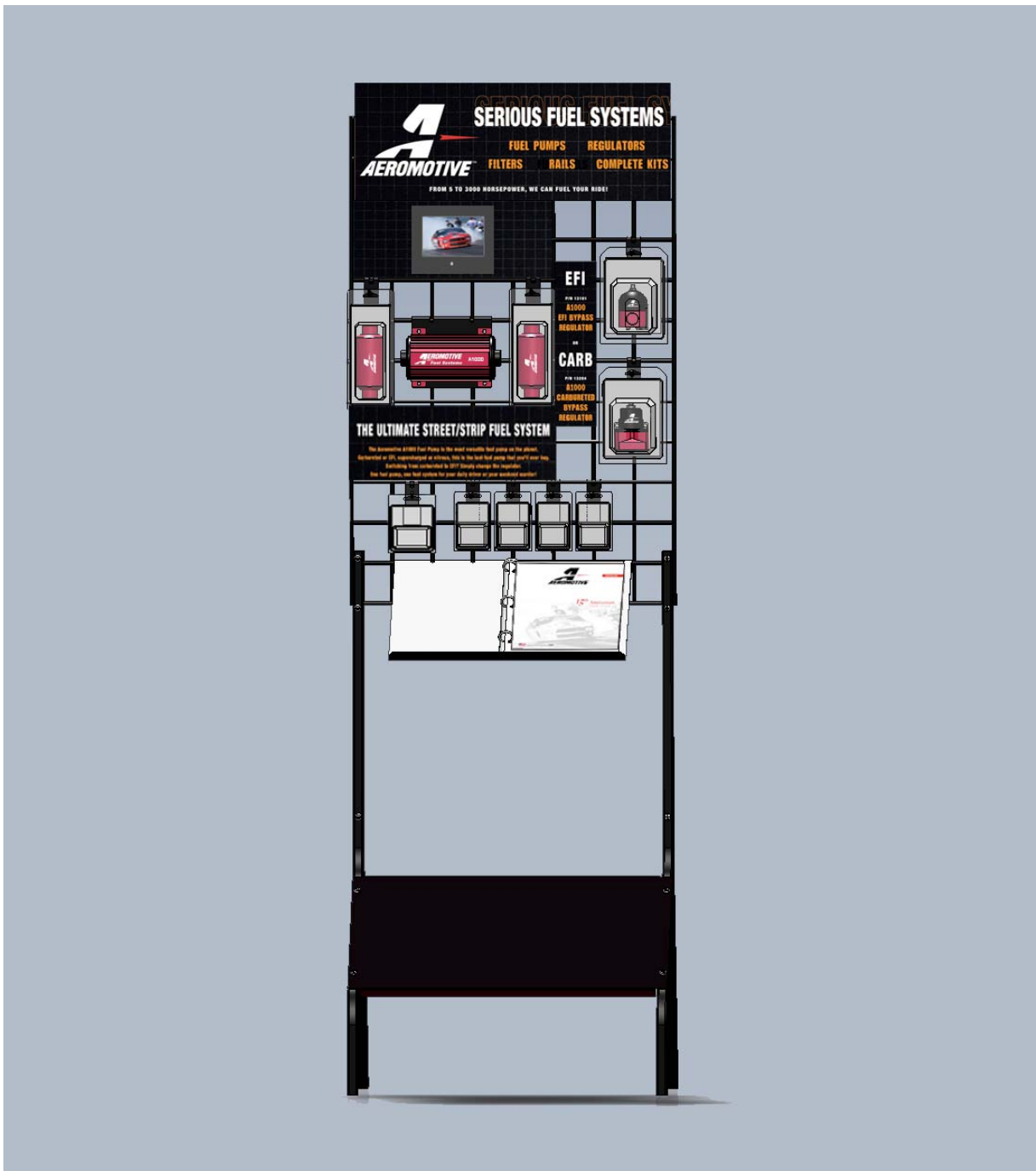
10. **LCD Display Unit:** Your LCD Unit is pre-calibrated and already loaded with an introduction video about Aeromotive Fuel Systems. Once plugged in and Power On, the video should start playing immediately. If not, a menu screen will appear. Select the video file present on this screen and push "enter" on the included remote control. This should start the video. Your unit is also set to play a 90 second loop. At this time it will shut off until activated by the motion sensor. You can change your settings at any time to play in any way desired. Refer to the LCD User Manual starting on Page 7 to change your settings.

Pro-Series LCD

Advertising Display
User Manual

Please read the instruction carefully before connecting, operating and adjusting the product. And keep this manual for further reference.

CONTENT

1. Introduction

2. System Setup

3. Operation

4. Compatible File

5. Appendix

SAFETY INSTRUCTIONS

Read this user manual

All safety and operating instructions in this user manual should be read before operating the product

Keep this user manual

This user manual should be retained for future references.

Head Warnings

Be cautious about warning signals on the product.

Follow Instructions

Please follow instructions in this user manual

Attachments

To avoid danger, please do not use attachments not recommended by the product manufacturer.

Mounting

Do not place the product on any unstable cart, stand, tripod or table to avoid injury on children and adult. Please only use attachments indicated by product manufacturer.

Temperature

Please use this product within operating temperature 32°F ~ 100°F (0°C ~ 45°C), relative humidity 20%-80%. The product should be situated away from any heat source such as radiators, heat registers, stoves or other products (including amplifier) to product heat.

Avoid Liquid Invasion

Avoid the invasion of any liquid. Avoid placing it near bathtub, sink, kitchen, wet basement or swimming pool. Do not place product on any uneven surfaces and keep a distance of at least 6 inches from wall. Do not place heavy objects on top of the unit and at sealed areas to avoid heat ventilation problems.

Product Protection

Please do not place any attachment or parts inside the product to avoid contacts with voltage points that could result an electric shock or fire.

Heat Ventilation

There is no heat ventilation on the upper and lower part of the product, therefore to avoid over heating, please do not block any ventilation openings with objects (e.g. carpet). Please allow the opening to have **10cm** distance for ventilation.

Grounding or Polarization

This product could be equipped with an alternate plug.

Power –Cord Protection

Power supply cords should be routed so that they are unlikely to be walked on or pitched by items placed upon them. Pay attention to the connection of plugs.

Power Sources

This product should be operated only from the type pf power source indicated on the rear panel. If you are unsure of the type of power supply to your home, consult your product purchaser or local power company.

Lighting and storms

Unplug the outlet during lighting, storms or long unused periods. This will prevent damages and power-line surges to the product.

Overloading

Do not overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.

Damage Handling

Unplug this product from the outlet of wall and request qualified service personnel under the following conditions:

- when the power supply cord or plug is damaged
- when the picture display gets dimmer
- when liquid has been spilled or objects have fallen on to the product
- when the product has been exposed to rain or water.
- Adjust only those controls that are in the instruction manual. For improper adjustments may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- When the product exhibits a distinct change in performance-this indicates a need for repair service.

Replacement parts

When replacement parts are required, be sure that the technician uses replacement parts specified by the manufacturer or parts with same features. Unauthorized substitution may result in fire, electric shock or other hazards.

Safety Check

Upon completion of any service or repair to this product, ensure safety checks are performed by technician for proper operating condition.

Warnings

If the battery of remote control is incorrectly replaced, there will be a danger of explosion.

Storage

Keep the product at dim areas, room temperature and low humidity to maintain original condition. This will avoid danger.

Transportation

Since the product consists of glass and delicate electronic components, excessive shock or drop will result damages. Please handle the product carefully to minimize shock during transportation.

Recycling

The product utilizes tin-lead solder, and has a fluorescent lamp containing a small amount of mercury. For environmental considerations, disposal of these materials may be regulated in your community. For disposal or recycling information, please contact your local authorities, or Electronics Industries Alliance: http://www.eiae.org/

Cleaning

Unplug the product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use damp cloth for cleaning.

PRODUCT DESCRIPTION

➢ Thank you for purchasing our LCD Advertising Display.
➢ This Advertising Display is a commercial media player that can be used in public places such as shopping mall, supermarkets, elevators or buses.
➢ The multi-functional player can play video, photo and music with CF Type I/II memory card..
➢ There is a motion detector inside the unit.
➢ The unit is durable with a metal housing. And there is protective screen to prevent the display from being scratched.

FEATURES

➢ Diversified media play modes.
➢ High-brightness color display.
➢ Wide viewing angle.
➢ Media playing format: JEPG/MP3/MPEG I/MPEG II
➢ Memory card supported: CF card updateable through USB.
➢ Power saving: As there is a motion detector inside the unit, the setting of auto switch-on or off can be made according to motion detector. The standby off time can be set to trigger in intervals of 30s, 90s, 360s or 45s for mute.
➢ The player can repeat the media file automatically.
➢ Installer can play and review the videos, photos or music in the file one by one.
➢ VGA input (on most models)
➢ Slim card-shaped remote control
➢ AV Input Interface (optional)

Instruction of input/output, motion detector, standby indicator

Input/output Terminals and Control Interfaces
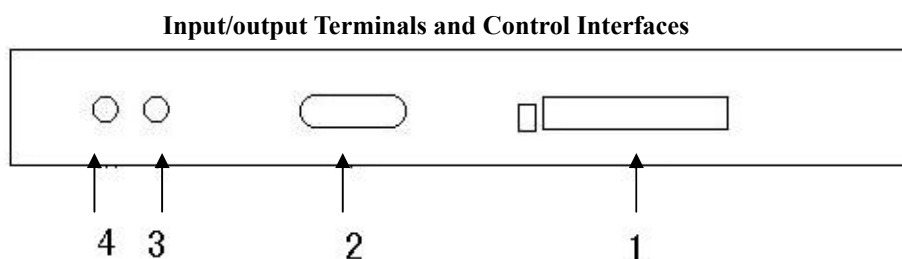
1. CF card slot
2. VGA input
3. VGA (optional)
4. Timer – (optional)

Installation of USB FLASH/ Motion Sensor/Remote Control/Standby Indicator

Infrared remote control

USB flash slot

The volume level wheel (on most models)
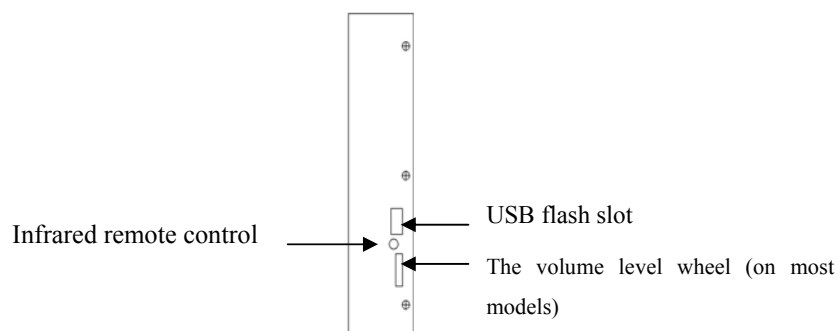
Locations of all features may vary on different models

USB Flash

A B
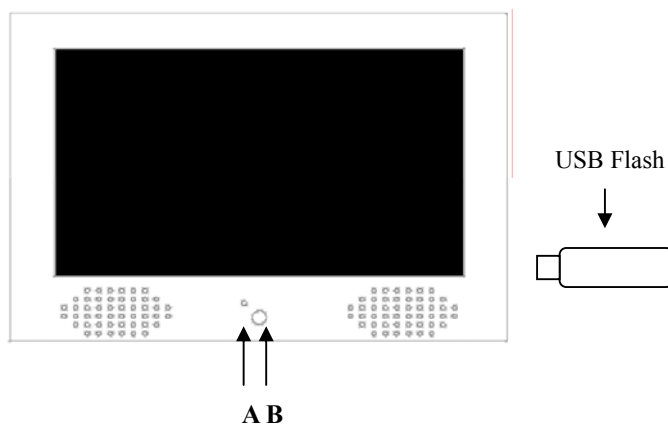
A: LED indicator

B: Motion sensor

Remote Control

⏻: *Stand by mode: on/ off*

Mute: *Disable audio output.*

VOL+/-: *Increase/reduce the volume level.*

0 to 9 *Select the file to be played (0-9)*

Menu: *Return to main menu (Video/ Music/photo/file)*

Display: *Display information of the file*

Erase one: *Erase single file inside the CF card in the file review interface.*

Copy one: *Copy single files from the USB to the CF card in the file review interface.*

Navigation keys/ Enter: *Press Left/Right or Up/Down and Enter to select.*

FF/ RW: *During playing video or music file, press the key to play the file backward or forward at 2X，4X 6X and 8X times speed.*

Play/Pause: *Play or pause the playback of video, photo or music.*

Setup: *Enter the setup menu .(it is best to push the INDEX button before pushing the SETUP button)*

Erase all CF: *Erase all files inside the CF card in the file review interface.*

Index: *File index.(it is best to push the INDEX button before pushing the SETUP button)*

Copy all USB: *Copy all files from the USB FLASH to the CF card in the file review interface.*

AV : *Timer (It will only function if the optional timer function exists)*

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Installing/ Removing Battery of Remote Control
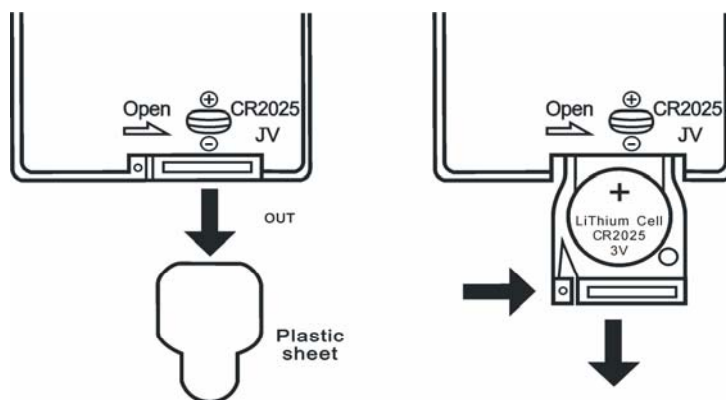
Note: The plastic sheet plays a protective role when there is no the battery in the remote control. Please remove the plastic sheet before using the remote control.

Remarks:

Type of the remote control battery is CR2025.

Please check the polarity of the battery before installing.

Please remove the battery when the remote control is unused for a long time.

PLAYING THE FILES

Video/ Music/ Photo/ File

Insert the CF card when the power is off and then turn on unit. The player displays main menus such as Video, Music, Photo and File on the display. (Note: When the player is set to auto play, the main menus will not be displayed.) Like the following pics:

*Please refer to the corresponding setup on pages 12-14.

Photo Music Movie File		Play the photo/ movie
Pic 1(Main Menu)	Pic 2 (Photo/ Movie Thumbnail)	Pic 3 (Full screen playing)
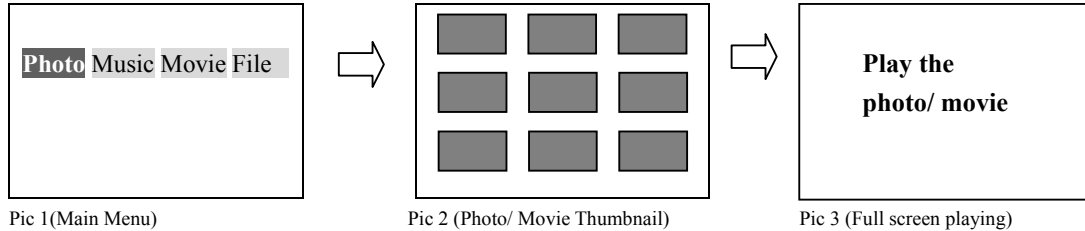
Playing Photo/ Movie File:

Please refer to the images as above shown: When the memory card is inserted with two or more kinds of media files, the screen will show **Pic 1**.

User can select Photo, Music, Movie or File and press Enter key to confirm.

After selecting "Photo" or "Film" by pressing "Enter", the **Pic 2** will be displayed for preview.

Then user can select the desired photo or film and press "Enter" to confirm.

Advertising Display will play the photo or film.

Playing Music File:

After selecting "Music" by pressing Enter, the track list will be displayed. (The function is available by pressing Music Review key.)

MUSIC	
Music 1	5:20
Music 2	4:30
……	
……	
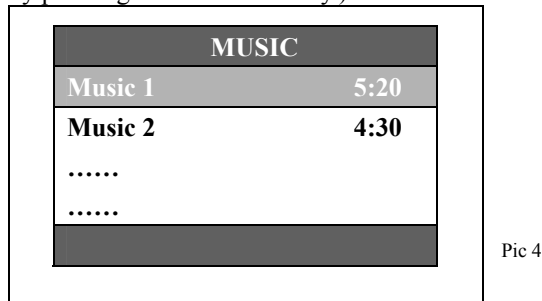
Pic 4

Pic 4: Press ▲ or ▼ to select the desired track. Then the track turns to yellow and starts to play. The details of the track will be displayed by pressing Enter.

After selecting "File" by pressing Enter, all files will be displayed according to the name.

FILE LIBRARY
ROOT
FILE 1
FILE 2
……

Pic 5

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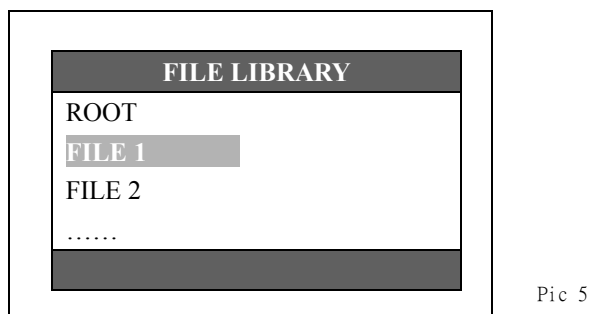
Pic 5: Enter the file library: the screen will show the information, file name...etc
The order of file will accord with the 9 hot key functions.

REVIEW FILE/ CHANGE FILE: DELETE/ COPY

Make sure CF card is installed and unit is ON.

Insert USB FLASH. When the USB advertising display, the screen will show the following:

SELECT ONE AND ENTER
██   COMPACT   FLASH
██   USB DEV

Please select one.

Press ▲ or ▼ to select the device to be operated and press Enter to confirm. Then **Main Menu** will be showed. The follow-up operation is the same as the above (P.8) mentioned.

Display File Information

Display key has different functions in different interfaces, like:

1. In the photo review interface or during playing photo: press Display to see the relevant information, including photo name, size, resolution and date created etc.

2. In the movie review interface or during playing the movie: press Display to see the relevant information, including film name, size, and date created and play time etc.

3. In the music review interface: press Display to display the relevant information.

4. In the file review interface: (i.e. the interface that appears after pressing **INDEX**), press Display to display the operation box of the selected file, including Copy, Delete, Rename, Add new folder and File etc. (See the pic as below)

➢   For the functions of copy/ delete files, please see page 10 for details.

FILE LIBRARY	
Photo	
File 1	Copy
File 2	**Delete**
……	**Rename**
……	**New Folder**
	Properties
	Cancel
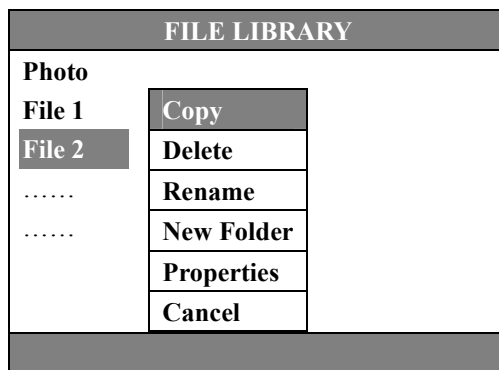
Copy One/ Several File(s) and COPY ALL

Delete All Files:

1. Press INDEX to enter **File Library CF card.**

2. Press "**ERASE ALL CF"** then the OSD shows "ARE YOU SURE YOU WANT TO DELETE ALL FILES"?

3. Choose "Yes" to start deleting, "No" to cancel

Copy All Files: NON AUTO-UPDATE VERSION
1. With unit ON, Plug-in USB FLASH to the advertising displayer. 2. Go to the **File Library of USB FLASH – should be the default location.**
3. Press **COPY ALL USB on remote**, then the OSD "ARE YOU SURE YOU WANT TO COPY ALL FILES TO CF CARD"? Choose "Yes" to start copying, "No" to cancel
Remarks: user can only use "COPY ALL USB" to copy all files from USB to CF card.
With Auto-Update option, with unit OFF, insert USB and power unit ON. Wait until completely downloaded. Remove USB. This will automatically DELETE all on CF and replace with data on USB.

File to be copied →

FILE LIBRARY		Target storage device to be copied ←
Photo	CF	
FILE 1	**USB**	
FILE 2		
……		
……		
	CF	
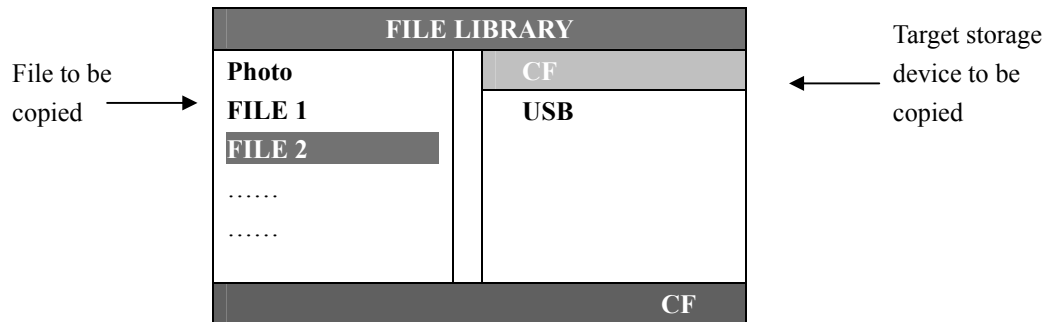
INDIVIDUALLY UPDATE FILES
Plug-in USB to the advertising display and press **INDEX** to enter the file library.
The information displayed on the left of the above picture is the file to be copied and on the right is the target storage device connected with the player.

1. Press ▶ key, the letter "CF" on the right turns to yellow. Press ▲or ▼ to select to copy to CF and press **ENTER** to start copying.
2. After confirm the storage device, the cursor will return to the left. Press ◀ key, the cursor turns to yellow again.
3. Press Enter to start copying. The copy progress and file size will displayed on the top of the display.
4. After the first file is copied, press ▲ or ▼ directly to select another file and press **ENTER** to start another file copying.
5. After all copies are completed, press **STOP** to end.

Delete One/ Several File(s)
1. Choose "Delete", the OSD ""ARE YOU SURE YOU WANT TO DELETE THE FILE?" will comes out.
2. Choose "Yes" to confirm, "No" to cancel.

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Setup menu

Photo setup

Press SETUP on the remote control to enter the setup menu. Choose Photo Setup and the displayer will display the sub-menus as follows:

Setup-Main Menu	Setup—Photo	ON / OFF

```
┌─────────────────────┐         ┌─────────────────────┐        ┌──────────┐
│  Setup-Main Menu    │         │   Setup—Photo       │   →    │   ON     │
│                     │         │   Thumbnail         │        │   OFF    │
│  Photo setup        │         │   Interval Time     │        └──────────┘
│  Music setup        │   ⇒     │   Orientation       │        ┌──────────┐
│  Movie setup        │         │   Matrix            │        │   Fast   │
│  Slide show setup   │         │   Main Menu         │        │   Slow   │
│  Preferences        │         └─────────────────────┘        └──────────┘
│  Exit               │                                        ┌──────────┐
│                     │                                        │  Default │
└─────────────────────┘                                        │   OFF    │
                                                               └──────────┘
                                                               ┌──────────┐
                                                               │  2 X 2   │
                                                               │  3 X 3   │
                                                               │  4 X 4   │
                                                               │  5 X 5   │
                                                               └──────────┘
```
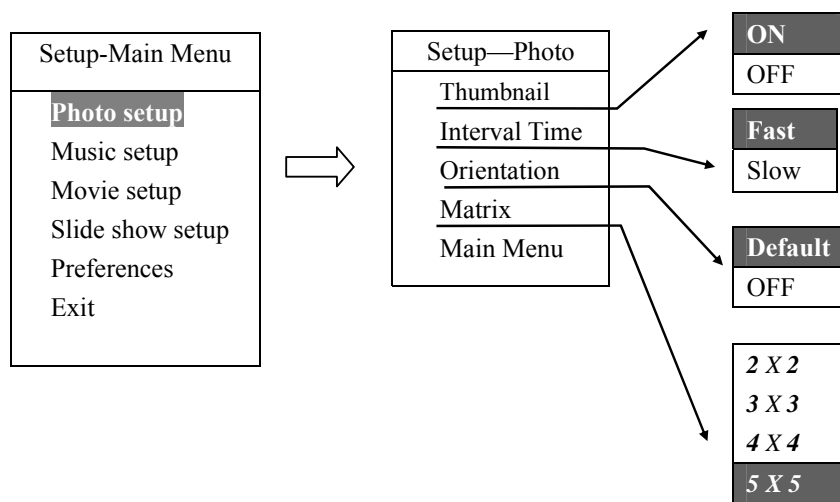
Thumbnail: Adjust the photo during browsing the photo.

ON: Full screen display the photo.   OFF: Display the photo in same ratio.

Interval Time: Set the interval time from one photo to another.

Orientation: Set the size of the photo to be displayed.

Matrix: Set the thumbnail format in photo interface.

Main Menu: Return to main menu.

Music Setup

Press SETUP on the remote control to enter the main menu. Press Music Setup and the displayer will display the sub-menus as follows:

```
┌─────────────────────┐                                        ┌──────────┐
│  Setup-Main Menu    │                                        │  Single  │
│  Photo setup        │         ┌─────────────────────┐        │  OFF     │
│  Music setup        │         │   Setup—Music       │   →    │  ALL     │
│  Movie setup        │   ⇒     │   Repeat            │        └──────────┘
│  Slide show setup   │         │   Main Menu         │
│  Preferences        │         └─────────────────────┘
│  Exit               │
└─────────────────────┘
```
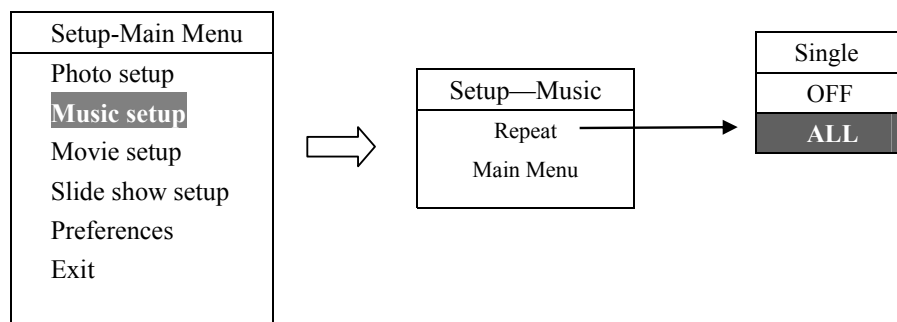
Repeat: Set the music play mode.

Single: Repeat the current track.

OFF: Play the current track and the next tracks for one time and then the playback stops.

All: Repeat all tracks.
Main Menu: Return to main menu.

Video Setup

Press SETUP on the remote control to enter the main menu. Press Video Setup and the displayer will display the sub-menus as follows:

Setup-Movie
Repeat
Matrix
Main Menu

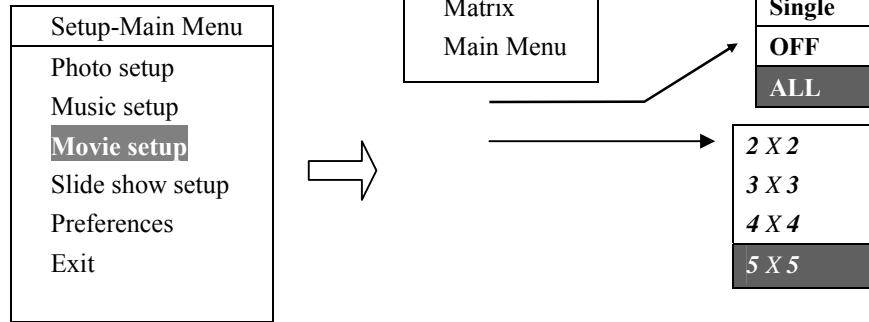| Setup-Main Menu |
| --- |
| Photo setup |
| Music setup |
| **Movie setup** |
| Slide show setup |
| Preferences |
| Exit |

Single
OFF
ALL

2 X 2
3 X 3
4 X 4
5 X 5

Repeat:

Single: Repeat the Video.

OFF: Play the current video and the next video for one time and then the playback stops.
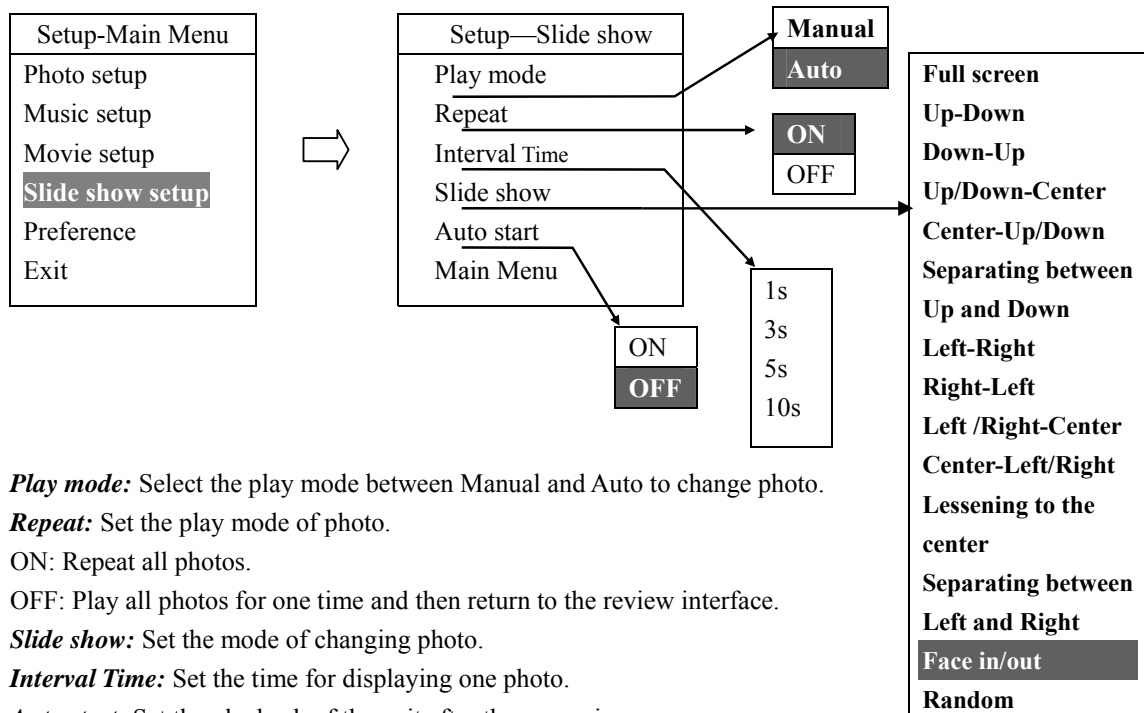
All: Repeat all movies.

Format: Set the thumbnail format in the Video interface.

Main Menu: Return to main menu.

Slide show setup

Press SETUP on the remote control to enter the main menu. Press Slide Show Setup and the player will display the sub-menus as follows:

Setup-Main Menu
Photo setup
Music setup
Movie setup
Slide show setup
Preference
Exit

Setup—Slide show
Play mode
Repeat
Interval Time
Slide show
Auto start
Main Menu

Manual
Auto

ON
OFF

1s
3s
5s
10s

ON
OFF

Full screen
Up-Down
Down-Up
Up/Down-Center
Center-Up/Down
Separating between Up and Down
Left-Right
Right-Left
Left /Right-Center
Center-Left/Right
Lessening to the center
Separating between Left and Right
Face in/out
Random

Play mode: Select the play mode between Manual and Auto to change photo.

Repeat: Set the play mode of photo.

ON: Repeat all photos.

OFF: Play all photos for one time and then return to the review interface.

Slide show: Set the mode of changing photo.

Interval Time: Set the time for displaying one photo.

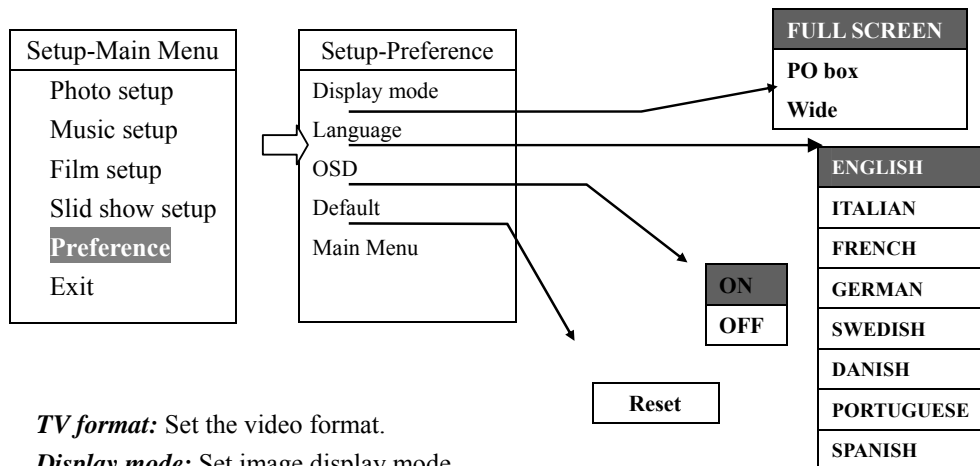*Auto start:* Set the playback of the unit after the power is on.

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ON: Play the media file automatically.

OFF: Display the main menu after the power is on.

Main Menu: Return to main menu.

Preference

Press SETUP on the remote control to enter the main menu. Press Preference and the displayer will display the sub-menus as follows:

Setup-Main Menu		Setup-Preference		FULL SCREEN
Photo setup		Display mode		PO box
Music setup		Language		Wide
Film setup		OSD		
Slid show setup		Default		ENGLISH
Preference		Main Menu		ITALIAN
Exit				FRENCH
				GERMAN
			ON	SWEDISH
			OFF	DANISH
				PORTUGUESE
		Reset		SPANISH

TV format: Set the video format.

Display mode: Set image display mode.

Video output: Set the video output (The function is subject to media player.)
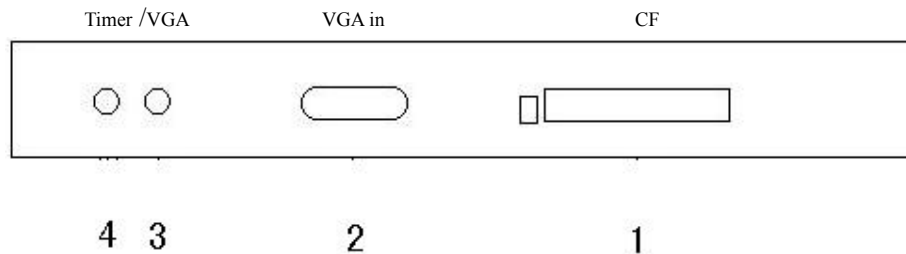
Language: Set the display language.

OSD: Set the image display format.

Default: Reset the default value.

Main Menu: Return to main menu.

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Setup of LCD Screen and Motion Sensor

Timer /VGA   VGA in   CF

4 3   2   1

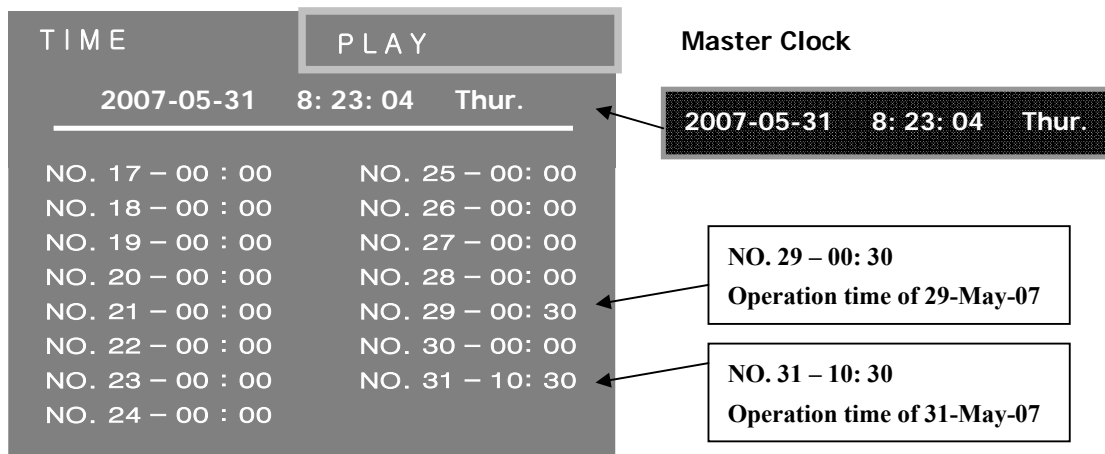User can press **MENU** key, to enter or exit menu.

VGA key, switches to VGA mode (optional).

TIMER: key to adjust motion sensor. When adjusting human motion detector, following options are available (optional):

A. 30S/ 90S/ 360S: When the motion detector does not sense motion within 30s/90s/360s, the player will go into the standby mode.

B. 45S MUTE: When the motion detector does not sense motion within 45s, the player will go into the mute mode. (No sound but show video)

C. POWER ON: Disable the motion detector and player works continuously.

Daily Timer Setting (Optional)

Press AV on the remote and enter to "TIME Mode" for showing record of Display total operation slide showing time of each day. It can save the operation record of previous 15 days.

TIME	PLAY		Master Clock
2007-05-31 8: 23: 04 Thur.			2007-05-31 8: 23: 04 Thur.

NO. 17 – 00 : 00	NO. 25 – 00: 00
NO. 18 – 00 : 00	NO. 26 – 00: 00
NO. 19 – 00 : 00	NO. 27 – 00: 00
NO. 20 – 00 : 00	NO. 28 – 00: 00
NO. 21 – 00 : 00	NO. 29 – 00: 30
NO. 22 – 00 : 00	NO. 30 – 00: 00
NO. 23 – 00 : 00	NO. 31 – 10: 30
NO. 24 – 00 : 00	

NO. 29 – 00: 30
Operation time of 29-May-07

NO. 31 – 10: 30
Operation time of 31-May-07

Ex.) Indicates that on 29-May-07, The unit has been playing all the file for 30 minutes, and on 31-May-07, The unit has been playing all the file for 10 hours and 30 minutes.

Press Button "AV" on the remote again and enter "PLAY Mode" for pre-set playing time of Files played.
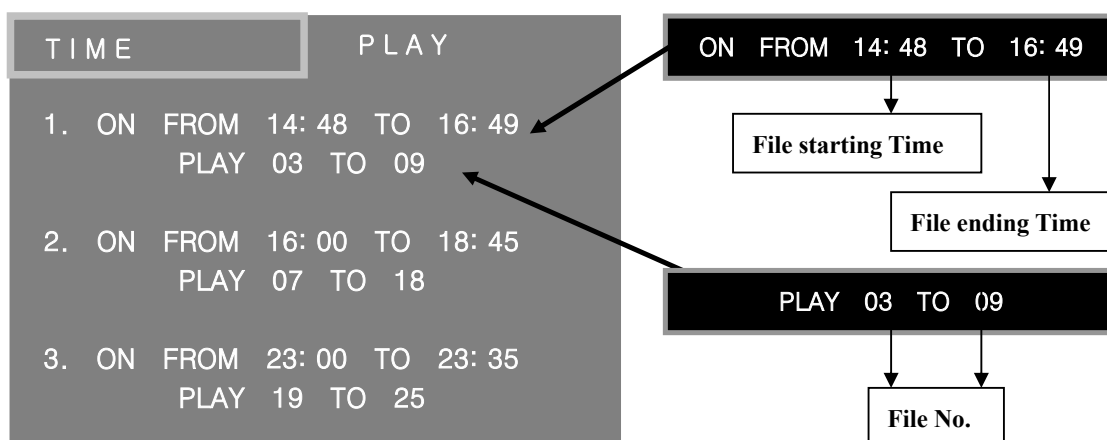
As the upper figure, it showed the time of file playing record:
(1.)   indicates that it will play FILE 3 to FILE 9 from 14:48 to 16:49,

(2.)   indicates that it will play FILE 7 to FILE 18 from 14:48 to 16:49,

(3.)   indicates that it will play FILE 19 to FILE 25 from 23:00 to 23:35.

Compatible Files of Advertising Display

A. File Formats and Bit Rate

File Format	*Bit Rate*	*Audio Decoder*
Mpeg 1 ➢ .avi ➢ .dat ➢ .mpeg ➢ .mpg	➢ Min.: 1.15Mbit/ sec (mega bit per second) ➢ Max: 3Mbit/ sec	MPEG Audio Decoder
Mpeg 2 ➢ .mpeg ➢ .mpg ➢ .vob	➢ Min: 3Mbit/ sec ➢ Max: 15Mbit/ sec	MPEG Audio Decoder

<u>**Remarks**</u>

Some .vob files are decoded with AC3 (Dolby Digital) audio, please convert the movie to mpeg 2 video with MPEG audio decoder.

B. Resolution

File Type	*Resolution*
Mpeg Video	➢ Low resolution 352 x 288 pixel (PAL) 352 x 240 pixel (NTSC) ➢ High resolution: 720 x 576 pixels (PAL) 736 x 576 pixel (NTSC) 720 x 480 pixels (NTSC)
Still Pictures	➢ 640 x 480/ 800 x 600

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FREQUENTLY ASKED QUESTIONS AND SOLUTIONS

Picture too dark:
● Check the brightness.
● Check the contrast.
● Select the Photo Reset on the menu.
● Check whether LCD is damaged.

Failure of remote control:
● Check the power.
● Check whether the battery is tightly installed.
● Check whether the battery is properly installed.
● Check whether there is barrier between the remote control and detector.
● For the failure caused by radio wave interference, including being bright and static noise, turn off the power and restart the player in 10s.
● Keep a distance of 2 inches from the detector.

Blurred picture:
● Check the AV signal source and CF card.
● Check the accessories.
● If you cannot remove the trouble after using these suggestions, please contact your local representative immediately.

Type:	Advertising Player
Storage device supported:	CF card (TYPE/II)
Document format supported:	Motion JPEG, MPEG I, MPEG II, MP3, JPEG,
Power adapter:	AC 100V-240V 50Hz/60Hz,

AFTER SALES SERVICE PROVIDER

If you have any problem, please contact the after-sale service provider near you:

Company name:

Address:

Telephone:

Fax:

E-mail:

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