

User's Manual

EMP100B Digital Signage Board / External Box



Before attempting to connect, operate this player, please read this manual completely.

Contents

Specification	-----	Page 3
Accessories	-----	Page 3
Digital Signage Device	-----	Page 4
Remote Controller	-----	Page 4
Installation	-----	Page 5
Source Setting	-----	Page 5
Setup Setting	-----	Page 5
Main Menu	-----	Page 6
Language setting	-----	Page 6
Slideshow duration setting	-----	Page 6
Slideshow mode setting	-----	Page 6
Music repeat mode setting	-----	Page 6
Movie repeat mode setting	-----	Page 6
Display mode setting	-----	Page 6
TV system Setting	-----	Page 6
Auto run setting	-----	Page 6
System Setting	-----	Page 6
Media Storage Selection	-----	Page 7
Movie Playing	-----	Page 7
Photo Playing	-----	Page 8
Music Playing	-----	Page 8
Trouble Shooting	-----	Page 9

Specifications

Resolution
VGA at 1024 x 768YPbPr at 720P
NTSC system at 720 x 480 pixels , PAL/SECAM systems at 720 x 576 pixels
Video Function
MPEG 1/2/4 at full screen D1 video playback
RealVideo-8/9/10
Support file format as mpg, mpeg, dat, avi, rm, rmvb, DVD, DivX, Xvid, VOB...
Photo Function
JPEG / Motion JPEG / Progressive JPEG photo playback
Support file format as JPG, BMP, PNG , GIF , TIFF
M-JPEG engine supports up to full frame rate (29 fps) VGA quality movies
Unlimited pixel resolution (currently test with 16M pixel pictures)
Audio Function
MP3 / WMA / AAC music playback
Full MPEG 1/2/3 audio Layers
Support file format as MIDI, MP3, WMA, WAV, AAC, APE...
Audio bandwidth - MP3 minimum 32Kbps, Maximum 256Kbps
Other
Storage Media --- CF / SD / USB memory card
Interface --- VGA / CVBS / YPbPr / Audio-R & Audio-L
Convenient function --- Play/ Pause, Stop, Page Up/Dn, Photo Zoom In/Out, Photo rotation Programmable photo slide timing, Auto repeat play
Power --- External power adapter with 5VDC-in, Universal/ Auto-sensing, 90 ~ 260 VAC, 50/ 60 Hz
Dimension --- 180 (L) x 112 (W) x 25 (H) mm

Accessories

The accessories should include following items.

1. Digital signage board or Box
2. Remote controller
3. 5VDC adapter
4. User's Manual (CD)

Digital Signage Device

Front View



- (0) **Control Button** – 6 buttons, Exit, Enter, Δ , ∇ , $\triangleleft$, $\triangleleft$
- (1) **SD card slot** – SD memory card
- (2) **LED indicator/ Infrared receiver**
- (3) **CF card slot** – Compact flash memory card
- (4) **Type A USB port** – support pen drive or other USB storage device
- (5) **Type B USB port**

Rear View



- (6) **YPbPr output** - Green/ Blue/ Red jack for high definition signal output
- (7) **AV output** – Red/ White/ Yellow jack for audio and video signal output
- (8) **VGA output** – For PC output
- (9) **DC 5V in Jack** – power input jack
- (10) **Power On/Off Switch** – Toggle main power On or Off

Remote Control



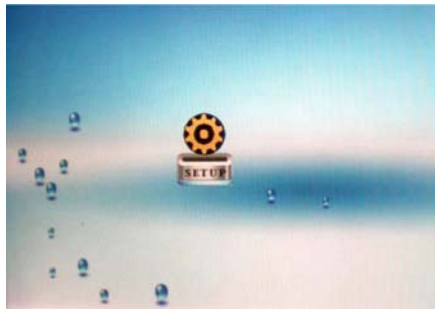
- | | |
|---|---|
| Power | Turn on/ off the digital signage board/ box |
| Mute | Turn sound on/ off |
| Photo | Show all photos on screen |
| Music | Show all MP3 file on screen |
| Movie | Show all MP4 file on screen |
| 16:9/4:3 | Set aspect ratio 4;3 to 16;9 |
| Rotate | Rotate photo |
| Zoom | Photo zoom in / out |
| OSD | Show media play button on screen |
| Menu | Into main menu |
| Slide show | Slide show for photo |
| Source | Select VGA, AV or H |
| Exit | Exit Menu/ go back to previously setting |
| Enter | Enter setting |
| Δ , ∇ , $\triangleleft$, $\triangleleft$ | Select button, up, down, left. right |
| VOL +/- | Volume up/ down |
| $\gg$ $\parallel$ $\ll$ $\gg$ $\blacksquare$ | Forward, rewind, stop, pause |
| $\ll$ $\gg$ | Next track, Previous track |

Installation

The digital signage board/ box can connect to PC monitor (VGA) or TV (AV). After connection to PC monitor or TV, source must be set. Otherwise, the monitor or TV will be no picture.

Source Setting

1. Remove all media storages from digital signage board/ box.
2. Toggle main power switch and then the LED indicate in green.
3. Press “ **Source** ” on the remote controller once and press once until find the correct source. Please wait for 1.5 second per pressing because the device needs few time to detect the correct display.
4. Upon selecting the correct source, the setup icon will be shown on screen as below.

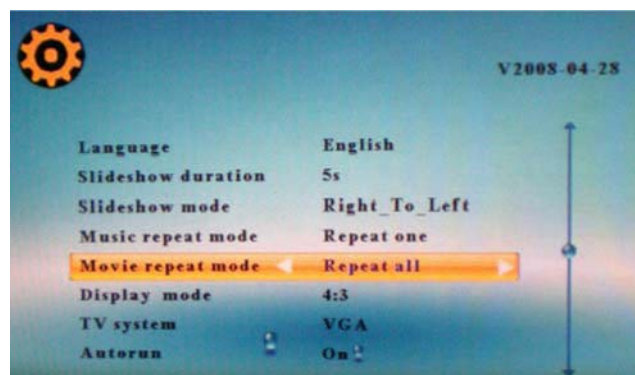


Remark: Please follow above steps if any change of display.

Setup Setting

Main Menu

1. Press “Enter” on the remote controller into the main menu and screen is shown as below



2. Use “ Δ , ∇ , $\triangleleft$, $\triangleright$ ” arrow button to select setting.

Language Setting

1. Press “△, ▽, ◀, ▶” to Language item and press “▶” to select English/ Chinese.
2. Press “Exit” the main menu.

Slideshow Duration Setting

1. Press “△, ▽, ◀, ▶” to Slideshow duration item and press “▶” to select 5S/ 15S/ 1 Mins/ 15M/1 hour/ 3S.
2. Press “Exit” the main menu.

Slideshow Mode Setting

1. Press “△, ▽, ◀, ▶” to Slideshow mode item and press “▶” to select Right_To_Left/ Door_Close/ Hori_Cross/ Verti_Cross/ Random/ Fading_Off/ Bottom_To_Top/ Top_To_Bottom/ Left_To_Down.
2. Press “Exit” the main menu.

Music Repeat Mode Setting

1. Press “△, ▽, ◀, ▶” to Music repeat mode item and press “▶” to select Repeat one/ Repeat all.
2. Press “Exit” the main menu.

Movie Repeat Mode Setting

1. Press “△, ▽, ◀, ▶” to Movie repeat mode item and press “▶” to select Repeat one/ Repeat all.
2. Press “Exit” the main menu.

Display Mode Setting

1. Press “△, ▽, ◀, ▶” to Movie repeat mode item and press “▶” to select 4:3/ 16:9.
2. Press “Exit” the main menu.

TV System Setting

1. Press “△, ▽, ◀, ▶” to Movie repeat mode item and press “▶” to select NTSC Composite/ HD mode.
2. Press “Exit” the main menu.

Auto Run Setting

1. Press “△, ▽, ◀, ▶” to Movie repeat mode item and press “▶” to select On/ Off.
2. Press “Exit” the main menu.

Media Storage Selection

When you insert SD memory card, CF memory card or USB pendrive, the Storage Media Icon will be shown on screen.



Above screen is showing all storage medias in the device.

1. Press “◀, ▶” to select which storage media which you want to play, CF memory card selected for example.
2. Press “Enter” to activate Movie, Music or Photo.



3. Press “◀, ▶” to select movie, Music or Photo and press “Enter” to Movie, Music or Photo Playing mode. Or press “Exit” back to previously menu setting.

Movie Playing

After selecting storage media, you can also press “**Movie**” directly on the remote controller. All MP4 or Avi files will show on screen.

Press “◀, ▶” to select movie you want to play.

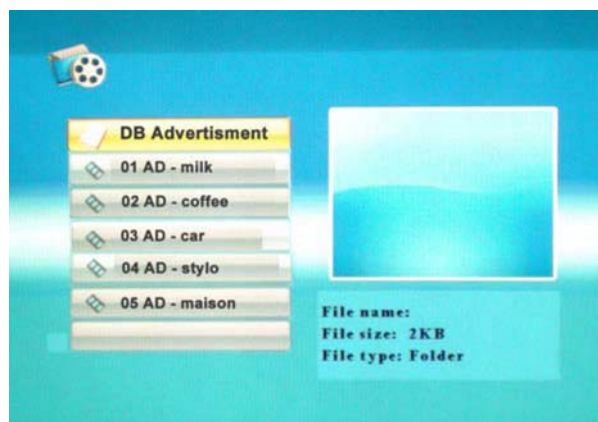
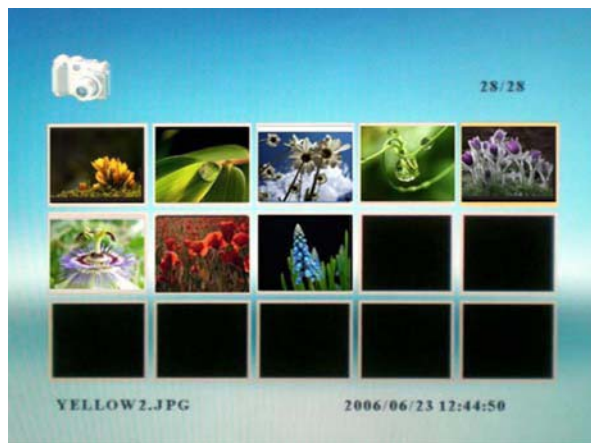


Photo Playing

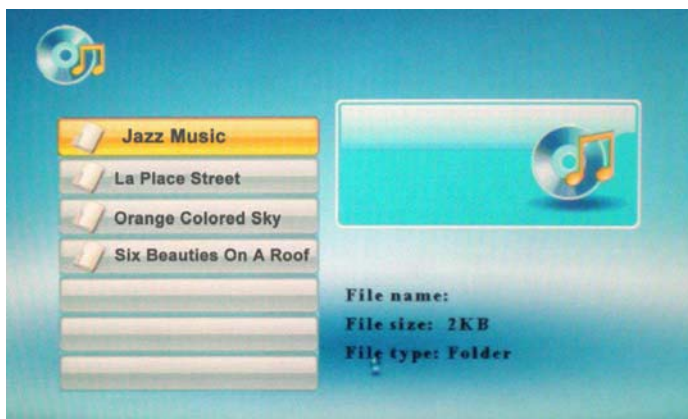
After selecting storage media, you can also press “Photo” directly on the remote controller. All photos of selected storage media will show on screen.



Press “△, ▽, ◀, ▶” to select photo and you like to play. You can also choose the display mode by pressing “Rotate”, “Zoom”, or “Slide show” mode.

Music Playing

After selecting storage media, you can also press “Music” directly on the remote controller. All MP3 music files will show on screen.



Press “◀, ▶” to select music you want to play.

Trouble Shooting

Before sending the digital signage board/ box to service center, please read through the following list and see if there is solution.

Problem	Solution
No picture on screen	Is the power adapter is firmly plugged?
	Check the output source connection and setting
	Check the input source connection and setting of the monitor or TV
Picture only, no sound	Check the connection of AUDIO cable
	Check the volume of the display
	Check the volume
No power	Check the power of the display is ON
	Is the POWER button pressed on the remote control?
	Is 5V DC power cable removed from plug?
	Is the main power switch of the digital signage board/ box ON?
Remote control no function	Check the pole orientation of batteries
	Please check if battery is still valid
	Do not operate remote controller under strong lightening or neon light
	Is there neo light near the remote control?
Unable to read memory card	Check the memory card with other card reader or device
	Turn off main power switch and re-plug the memory card