



For Powerful Digital Marketing and Total Multimedia Solution

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**DS-66170**  
User's Guide

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# 1. INTRODUCTION

The DS-66170 Digital Signage Player provides multi-format support in a compact, industrial hardware design, which is specifically designed for Retail market. The DS-66170 can store and playback full-motion audio/video clips from high speed Compact Flash® memory cards (CF) with DVD quality audio/video output; MPEG-1, MPEG-2, DivX MPEG-4, JPEG, VOB and MP3 file formats. Create custom video scripts easily by simply using your computer with a standard CF card reader to drag and drop files to the CF memory card.

The DS-66170 incorporates solid-state technology that provides high picture quality without degradation, regardless of the number of playbacks, and a reliable, long lasting solution. A potential customer or user will not walk away in boredom or frustration and with no moving parts the DS-66170 will last for many years to come.

## 1.1 Package Contents

- DS-66170 Digital Signage Player
- AC Power Adapter
- Remote Control

## 1.2 Features

- Support multiple formats:
  - Photo: JPEG
  - Video: DivX MPEG-4, MPEG-2, MPEG-1, VOB
  - Audio: MP3
- Audio out: Stereo L/R
- Support CF card type I/II and Micro Drive
- Auto-play when powered
- User friendly
- NTSC/PAL auto detection
- No moving parts
- IR Module
- Remote Control functions

# 2. SETTING UP YOUR DS-66170

## 2.1 How to program the contents to your Compact Flash® card

In order to setup your content to work with the DS-66170 you must have a **high speed Compact Flash®** media card. To integrate your media content (WMV9, MPEG-1, MPEG-2, DivX MPEG-4, VOB, MP3, or JPEG's) you will need to use a Compact Flash® reader with your computer to load the appropriate files and setup; see programming below for more details.



Connect your card reader to your PC (note: be sure that the card reader driver is installed) and insert the Compact FLASH card (we recommend 256 MB minimum) into the reader. To program your multimedia content on to the media card, open the file manager and copy the files to the card reader drive.

The DS-66170 utilizes a three-digit numeric ID system for programming your content tracks, so you will need to number your tracks using this system; please note that you can keep your track descriptions as well.

Examples of media file numbering:

Menu Mode:	Menu track	000.mpg
(Default)	Selected tracks	001.mpg

NOTE: To ensure the MPEG-1 and MPEG-2 played properly on the DS-66170 player you need to make sure both MPEG-1 and MPEG-2 have the file extension "xxx.mpg"; DivX MPEG-4 files must have the file extension "xxx.avi" and "xxx.divx" or else the video clips will not be recognized by DS-66170.

## Step 1 - Player Setup

Make sure that all necessary files are uploaded onto your Compact Flash card.

## Step 2 - Insert CF card

Insert the Compact Flash® Card into the card slot on the bottom of DS-66170.

## Step 3 - Connect the Power Cable

Connect the power cable to the DS-66170.

## Step 4 - Plug in the power

Now you are ready for the final step in setting up your DS-66170: plug in the included power adapter and the DS-66170 will automatically start playing the video clip stored on the Compact Flash® Card.

**Note:**

*Make sure that you have inserted the Compact Flash® correctly, and its content meets DS-66170's specifications.*

Plug the power adapter's cord into the "DC IN" on the side of DS-66170 and Plug the other end of the power adapter into an electrical outlet.



# 3. SCREEN DISPLAY

## CLIP!

If everything is setup correctly, you should be watching the video clips stored on the Compact Flash Card playing on the display. Depending on how the tracks on the Compact Flash Card are programmed, the DS-66170 player will play accordingly

**Note:** The unit is designed for "Auto-run" on power up, and it will start playing the contents on the Compact Flash Card when power is supplied.

### PIR sensor

PIR sensor is connected to the DS-66170 main board. When PIR motion sensor module detects movement, it will send a command to the DS-66170 to play Track #1.

Motion sensors, used to detect moving objects

- An extremely compact passive infrared (PIR) movement detector which has a wide variety of applications.
- 3 leads for easy connection
- The output is a logic signal that pulses high when movement is detected and is otherwise low.
- The PIR sensor module connected directly to DV-66B.
- Small size: 25 x 35 mm
- High Sensitivity-can sense distance up to 5 meters
- Power up delay to prevent false triggering



### 44-pin pitch 2.0mm connector for using 2.5" hard drive





New standard 44-pin 2.0 mm connector for the player to use a 2.5" Hard Drive as storage media, the pin# 41 is DC 5V, and Pin# 43 is the Ground as the power source to the hard drive. This will be a low cost solution for the end user who will need a long time playing video clip for repeatedly playing. (Please consult with your Sales Representative if this is suitable for your application)

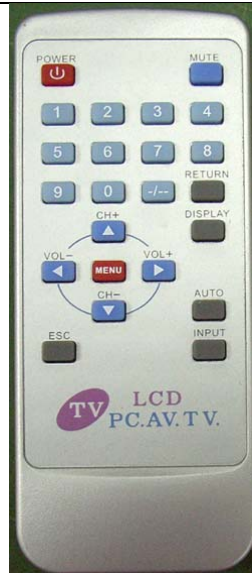
### DIP SW for hardware setup. (Bolded items would be your default settings).

	<b>ON</b>	<b>OFF</b>
1) <u>DIP SW 1</u>	<b>Menu play mode</b>	Repeat Play mode
2) <u>DIP SW 2</u>	Video/S-video output	<b>VGA output @60Hz</b>
3) <u>DIP SW 3</u>	<b>OSD feature OFF</b>	OSD feature ON
4) <u>DIP SW 4</u>	<b>JPEG start from Top</b>	JPEG display full screen
5) <u>DIP SW 5</u>	<b>PIR activate SW1</b>	PIR activate SW2
6) <u>DIP SW 6</u>	4:3 Letter Box	<b>16:9</b>

# 4. OPERATING THE DS-66170

## Remote IR Controller (Subject to Change)

Buttons	Function
	<ul style="list-style-type: none"><li>● Enter the OSD Menu</li><li>● "Enter" button, Enter to Sub-Menu</li></ul>
	<ul style="list-style-type: none"><li>● Indicating the cursor movement</li><li>● Indicating OSD manual selection in incremental /detrimental values</li><li>● Volume Increase / Decrease in Playtime</li></ul>
	<ul style="list-style-type: none"><li>● Indicating the cursor movement</li><li>● Item selected in Sub-Menu</li></ul>
	<ul style="list-style-type: none"><li>● Exit the OSD Menu</li></ul>

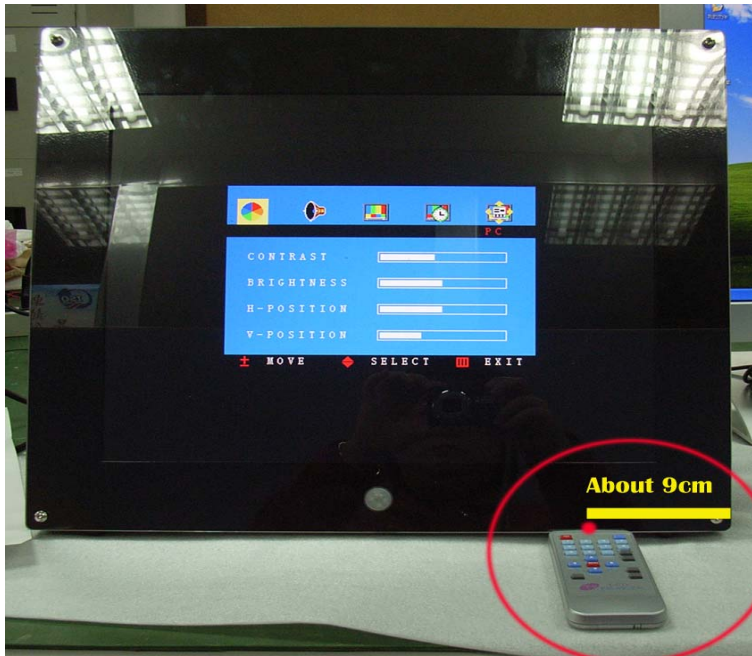


## How to Use the OSD (On Screen Display)

OSD function allows the user to easily adjust the display to the desired quality. The OSD menu includes a main menu and a sub-menu.

### 4.1 Start Operation with IR controller









IR receiver location is on the bottom of back cover. In the Front panel no Mark. If you want to point the IR, please refer to the under figure!



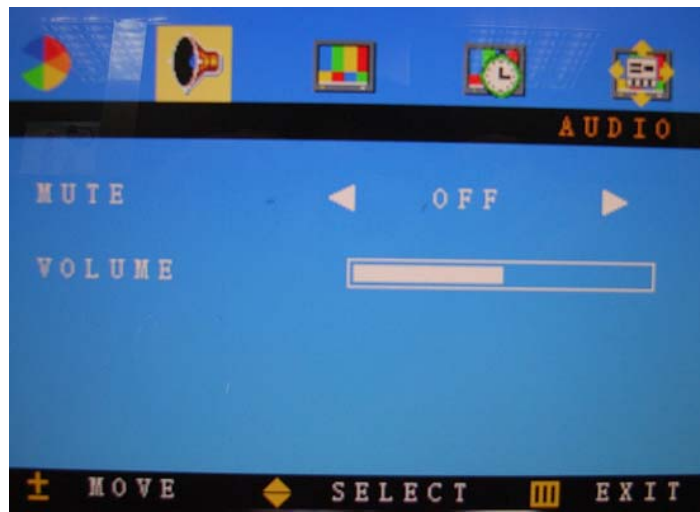
## 4.2 Structure of OSD Menus

### Operating Procedure

Use the IR controller buttons to adjust the OSD

1. Power on the LCD monitor.
2. Press “” buttons to pop up the OSD menu.
3. Press “ ” button to select main menu item.
4. Press “” (=Enter) button to select into Sub-Menu Setup Page
5. Press “..” “Button to select sub menu item.
6. Press “ ” buttons to adjust the value.
7. Press the “” button when finished adjusting.





# 5. DS-66170 SPECIFICATIONS

System Type	Digital Audio/Video playback	
Format	MPEG-1 (VCD), MPEG-2(DVD), VOB, JPEG, MP3	
Dimension	431 mm (L) x 370 mm (H) x 62.9 mm (W)	
Power Consumption	3.6 W	
Operating Current	Max 300mA @ 12V	
Operating Voltage	12 VDC	
Video Output	NTSC/PAL, A/V (From Main Board), VGA(From Main Board) and S-Video (From Main Board)	
Audio Output	Stereo (line level)	
Storage Format	High Speed Compact Flash® Card (min. 40X or up) Transfer speed calculation: 1X=150KB/sec, 40X=6.0MB/sec	
Storage Capacity	128MB up to 2.2GB Compact Flash® and Micro Drive	
MP3 Est. Avg. Playback CBR @ 128kbit/sec	<b>MP3 bit rate vary from 8kbit/sec to 320kbit/sec</b> 256MB CF holds 273 minutes/ 4.55 hrs 512MB CF holds 546 minutes/ 9.1 hrs 1GB CF holds 1066 minutes/ 17.76 hrs. 2.2GB CF holds 2346 minutes/ 39.1 hrs.	
MPEG-1 Est. Avg. Playback CBR @ 1.35Mbit/sec	<b>MPEG-1 bit rate vary from 1.15Mbit/sec to 3Mbit/sec</b> 256MB CF holds 25 minutes 512MB CF holds 50 minutes 1GB CF holds 98 minutes/ 1.63 hrs. 2.2GB CF holds 217 minutes/ 3.62 hrs	
MPEG-2 Est. Avg. Playback CBR @ 4Mbit/sec	<b>MPEG-2 bit rate may vary and/or depend on the speed of the CF card. For maximum bit rate, please refer to our FAQ.</b> 256MB CF holds 8.5 minutes 512MB CF holds 17 minutes 1GB CF holds 33 minutes 2.2GB CF holds 73 minutes	
**LCD Panel (Direct Type)	Size	17 inch (Diagonal 432mm)
	Resolution	640x480 VGA
	Display	16.2M Colors supported
	Pixel Pitch	Horizontal 0.264mm x Vertical 0.264mm
	Brightness	350cd/m <sup>2</sup>
	Contrast Ratio	400:1
	Viewing Angle (max.)	Horizontal 160/Vertical 140 degree
	Display Area	Horizontal 337

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For more information about DS-66170 or its optional accessories, please visit our website at <http://www.medeawiz.com/>  
Or e-mail us at [support@medeawiz.com](mailto:support@medeawiz.com)

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