



User Guide



DVP-355

Multimedia Player

AivX



※ Before operating the unit, please read this manual thoroughly, and retain it for future reference.

※ Due to the static, Mis-use, inferior product, your data could be damaged.

Handle with care when you use your valuable data.

Please back up your valuable data for safe work.



Sarotech Co., Ltd.

1. Before you begin

AivX is a sophisticated portable Multimedia player. You may enjoy multimedia file without PC. AivX is able to directly connect to household TV, Car TV, and projector and enjoy digital contents (Movie, Music, and Picture). It can be also used for USB 2.0 portable HDD storage device.

2. Main features

1. Able to playback Audio and Video file that downloaded PC to TV (HDTV)
2. USB2.0 external storage function
3. Support analog 2ch stereo, digital 5.1ch Coaxial, Optical, FM stereo audio (Option)
4. Support firmware upgrade

3. Check supplied Accessories

- | | |
|---|-------------------------------------|
| 1. DVP-355 unit | 2. Remote control (Include battery) |
| 3. AV cable (Composite image, Stereo sound) | |
| 4. Component cable | 5. AC power cord |
| 6. USB cable | 7. Driver installation CD |
| 8. Carrying bag | 9. User guide |
| 10. Screws | |

■ Separate sale item: External IR, Car power adaptor, Cigar jack Multi-port, FM Antenna

4. Warning

1. If you connect USB 2.0 product to USB 1.1 Host Adaptor, operating speed would be USB 1.1 speed (12Mbps).
2. If you want to use USB 2.0 product with full speed USB 2.0 speed (Max. 480Mbps), you should use PC with USB 2.0 Host Adaptor.
3. We recommend over 3.5" HDD and bigger than 6GBytes in capacity.
4. Be careful for shock hazard.
5. Do not expose high temperature or moisture. It may cause malfunction.
6. Keep in dry place.

5. Requirement

- Over 586 Pentium2 PC or MAC
- USB port should be available

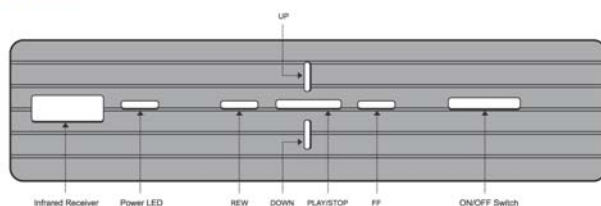
6. Specifications

Support File format	Movie	AVI, Xvid, DAT, MPG, VOB
	Music	MP3,WMA,OGG
	Photo	JPEG
Main chipset	EM8511(Sigma design co.)	
Video output	Composite, S-Video HD Component (support progressive output) (480i, 480p, 720p, 1080i)	
Audio output	2Ch Stereo Digital 5.1Ch Coaxial(DTS pass through)	
HDD Type	3.5" IDE HDD (Not include)	
File format system	FAT32, NTFS	
Interface	USB 2.0	
Transmission speed	Max. 480Mbps	
Support OS	Windows98/98SE/ME/2000/XP Mac OS 9.0 or higher Linux 2.4 or higher	
Weight	0.77kg (without HDD)	
Size	206(D) * 140(W) * 55(H)mm	
Exterior	All Aluminum	

Caution : Specifications will be changed upon applied Drive.

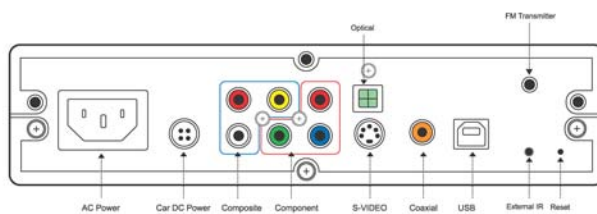
7. Name of each part and function

7-1. Front side



1. Power LED: Light on when power is supplied.
2. ON/OFF: Power On/OFF Switch.
3. Infrared ray receive part: Signal-receiving part from remote control.
4. FF/REW: Fast Forward, Rewind and menu selection.
5. UP/DOWN: Subtitle location, move menu selection.
6. PLAY/STOP: One time push button then playing. One more push will direct you to menu.

7-2. Back side



1. AC power: Input power using AC cord.



Caution : Please wait about 20 second after connect power adaptor and press "power"key.
(It takes about 20 second to be stabilized.)

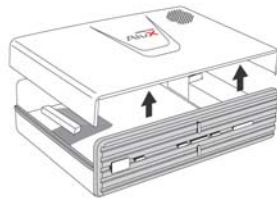


Caution : If system stop or remote control keys are not working, please re-power the unit. If re-power can not cure the trouble, please contact to our company.

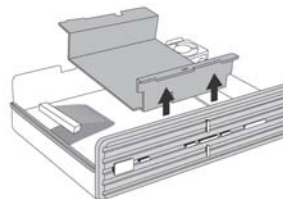
2. Car DC power : Input power using DC adapter(5V/12V). It is for a Car power.
3. USB port: Use for data transferring with PC.
4. Coaxial: Use for outputting digital 5.1ch.
5. Component : Use for outputting component (YPbPr) video signal.
6. Composite : Use for outputting composite video and stereo audio signal.
7. OPTICAL : Use for outputting digital 5.1ch and connecting OPTICAL.
8. S-VIDEO : Use for connecting S-VIDEO.
9. FM transmitter : USE for connecting External FM Transmitter antenna (option)
10. External IR : Use for connecting External Infrared(option)
11. Reset: Use for initialization.

8. How to input HDD

1. Detach front case.



2. Detach Fixture.

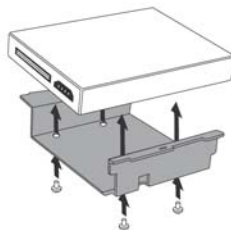


3. Assemble HDD to fixture bottom using 4 screws.

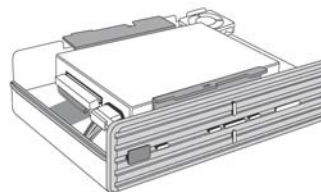


Caution : when you assemble HDD to fixture, make sure that direction is correct as shown below (2) picture.

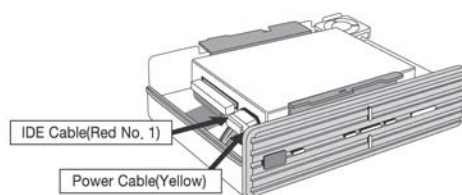
(1)



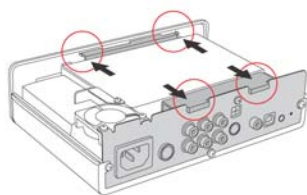
(2)



4. Connect PWER and IDE cable to HDD with Power cable.
At this time, please make sure that red cable of No.40 ribbon cable would be No. 1 pin (please double check)



5. Slide in attached HDD and fixture to guide.
6. Close front case and screw 3 bolts with screw driver.



9. Connecting to PC

This is to use AivX as a HDD.

9-1. When you use Windows ME/2000/XP

It could be recognized without addition driver.

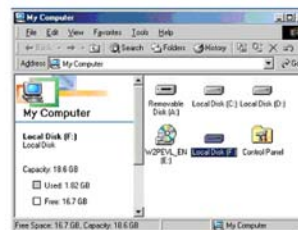
■ Connecting

1. Connect AC power cable to Power Inlet.
2. Push ON/OFF which is front side of the unit.
3. As you connect your PC AivX with USB cable, automatically a new drive is created to "My computer" in your desktop. Now you may use the drive.



Caution : 1. If you use a new HDD to AivX, your computer may not recognize automatically. In this case, please do FDISK and FORMAT. Please refer to the Installation CD at “/MANUAL/FDISK&FORMAT/fdisk&format.pdf”

2. When you input partition, please make sure you using “main partition(P)”. If you use Logic partition or extension partition, data re-play may not be possible.
3. If you divide more than two partitions, you may not see full screen so please not to divide partition but use only one.



■ Disconnecting

1. Select the USB connect icon () that is located lower right corner with your left mouse Button.



2. If the process is in good mode, you may see the message that you may disconnect the unit in safe way. Now you may disconnect the AivX.

9-2. When you use Windows 98/98SE

You need to install new driver when you use Windows.

■ Driver Installation

1. Execute “/Windows/USB/Setup.exe” from provided CD.
2. Select “next” in installation wizard. Then continually select “next” in coming windows.
3. Select “end” from completion confirmation window. Now the Driver installation is completed.
4. Connect AC power cable to Power Inlet.
5. Push ON/OFF which is front side of the unit.
6. As you connect your PC to AivX with USB cable, automatically a new drive is created to “My computer” in your desktop. Now you may use the drive.



Caution : 1. If you use a new HDD to AivX, your computer may not recognize automatically. In this case, please do FDISK and FORMAT. Please refer to the Installation CD at "MANUAL/FDISK&FORMAT/fdisk&format.pdf"

2. When you input partition, please make sure you using "main partition(P)". If you use Logic partition or extension partition, data re-play may not be possible.

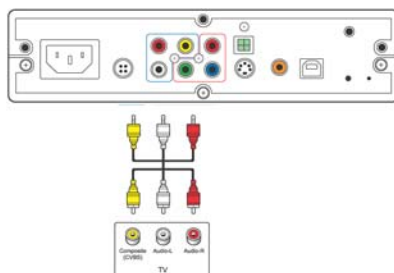
■ Connection, disconnection

Please refer to contents of Windows ME/2000/XP.

10. Connection to Video/Audio

10-1. Using Composite image and stereo sound

Please connect AV cable as below.

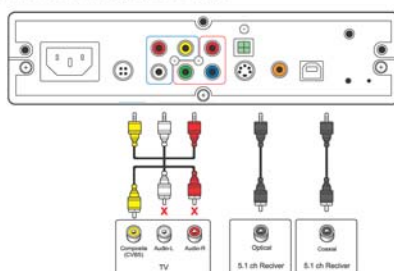


10-2. Using composite image and 5.1ch sound.

Connect only image plug (yellow) in AV cable with TV image plug. (Do not connect two voice plugs.)

Connect to 5.1ch receiver using Coaxial cable.

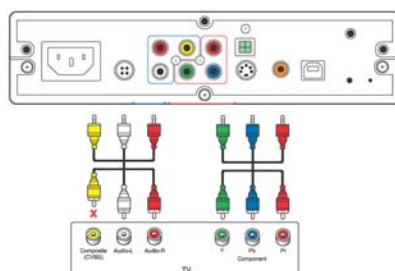
Connect to 5.1ch receiver using Optical cable



10-3. Using composite image and stereo sound

When you use HD TV to watch movie, please connect component cable to TV.

Connect only stereo voice plug (white, red) of with TV. (Do not connect video plugs.)

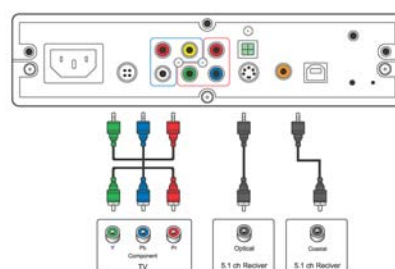


10-4. Using component image and 5.1ch sound

When you use HD TV to watch movie, please connect component cable to TV.

Connect to 5.1ch receiver using Coaxial cable.

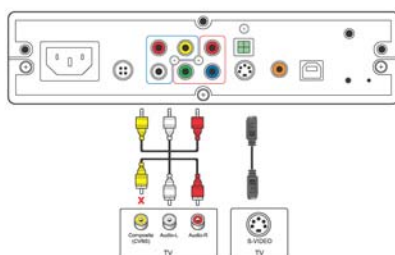
Connect to 5.1ch receiver using Optical cable



10-5. Using S-Video

Connect to S-Video port using S-Video cable if TV doesn't have composite port.

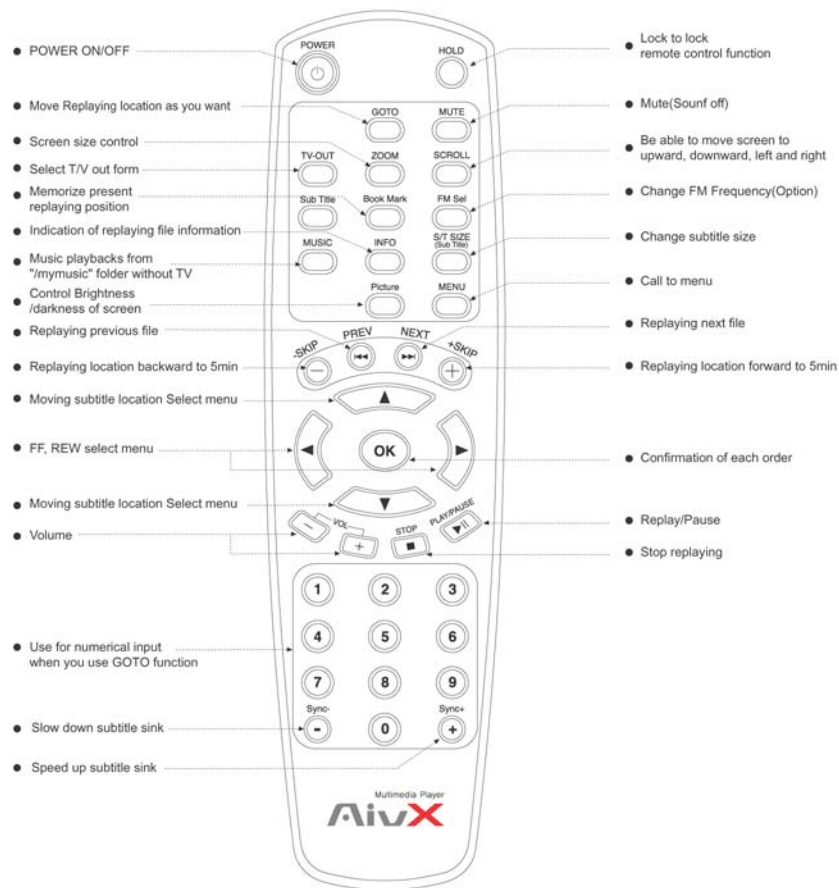
Connect only stereo voice plug (white, red) of with TV. (Do not connect video plugs.)



10-6. FM Transmitter(Optional)

Connect to FM transmitter port using FM Antenna (separate sales item)

11. How to use remote control



12. Watching Movie/Music/Photo



Caution : Language is set as "English" when the unit was shipped by factory.

12-1. Using file revive and menu while playing (Movie/Music/Photo)

■ Go to [File Browser] screen

1. Press "MENU" key.
2. Using "▲,▼"key and move to [File Browser].
3. Press "OK"key to select.

■ Replay File

1. AT [File Browser] screen, using "◀,▶" key to select a target among [Movie]/[Music]/[Photo]/[all].
You may see selected file, if you select "all" you may see all the files.
2. Select a file using "▲,▼"key.
3. Replay if you press "▶||" or "OK" key (Movie, music, Photo).



■ Use menu during playback

1. Press "MENU"key brings menus that you may change.
2. Select set up item using "▲,▼"key.
3. Press "OK"to appoint setup item (Selected item turn color) "
4. Input modification value using "◀,▶" .
5. Press"OK"key to apply. (Recover selected item color)
6. Press "MENU"key again and then menu screen go end.

12-2. Watching Movie

Please refer to below screen to select movie file.
Select the file using "▲,▼" key and press to play using, "▶||" or press"OK" key.



■ Menu explanation while playing

- **Replaying information**
Indicate present playing file information such as playing time and total playing time.
- **Subtitle modification**
Select subtitle location, size, color, and language.
- **Screen size**
Be able to maximize or minimize screen.
- **Screen setting**
Be able to modify brightness, color, and contrast.

■ Convenient key function

- **BOOKMARK**
This function is to memorize present file location. In case of re-start or go to other menu, you may use this bookmark function.
 - **Register** : Press "BOOKMARK" Key at the location that you wish to play.
The latest bookmark is memorable.
 - **Replay** : Press "bookmark" key when file is not replaying.
Replaying movies that registered earlier.
- **ZOOM**
Each press shows letterbox, Pan& scan, and normal screen.
Letterbox is not using vertical side of screen to show full screen on TV.
Pan& Scan is to cut horizontal line of screen to show full vertical side.
- **SCROLL**
Scroll key is to move full screen.
Press "SCROLL" key and using "◀, ▶, ▲, ▼" key, and then you may move screen location.
- **+Skip, -Skip**
Move function is 5 min. forward or 5 min. backward to replaying image.

12-3. Listening Music

Please refer to below screen to select music file.
Select the file using "▲, ▼" key and press to play using, "▶||" or press "OK" key.



■ How to set-up back ground image per music file(Support higher firmware version1.12)

When music file re-playing, it is possible to set-up background image that the music folder contains the same name jpg file.

You may use the JPG file as a background image. If the same name image file does not exist but have /mymusic/background.jpg, then this file will be back ground image. And if either JPG or /mymusic/background.jpg files are not exists, then a basic back ground which is provided by AivX will be used.



Caution : 1. Set the resolution as 720 x 480. If you apply higher resolution, basic screen will be played.
2. If you play with "music" button from remote control, basically basic screen will be played or background. Jpg file if it is exist.

■ Replaying music without TV image.

To use in case of replaying music without TV,

Press "MUSIC" key and then all music files will replaying from "/my music" of HDD.

You may keep music files in "my music" folder in HDD root folder

12-4. Watching Photo

Please refer to below screen to select Photo file.

Select the file using "▲, ▼" key and press to play using, "▶||" or press "OK" key.



■ Menu explanation while playing

Replaying information:

Indicate present playing file information such as playing time and total playing time.

- | | |
|--|--|
| • Screen size
Be able to maximize or minimize screen. | • Slide
Be able to set sliding time by 1,3,5,7,9 sec. |
| • Screen setting
Be able to modify brightness, color, and contrast. | • Screen rotating
Screen rotating 90,180, degree. |

12-5. How to use Play List (Only movie file is possible)

■ Go to [Play List] screen

1. Press "MENU" key or "▲, ▼" key.
2. Move to [Play List] using "▲, ▼" key.
3. Select using press "OK" key.

■ Replaying

1. Select [replaying/order] from [Play List] screen using "◀, ▶" key.
2. Select and press movie file using "▲, ▼" key.
3. To replay, press "⏮" or "OK" key.



■ Changing replaying order

1. At [Play List] screen, select [replaying/order] using "◀, ▶" key.
2. Select movie file to replay using "▲, ▼" key.
3. Select file to move using "OK" key (Left side icon is activated).
4. Select location to move using "▲, ▼" key (Selected file moved simultaneously).
5. Press "OK" key then present location is applied (Recover Icon).

■ Setup/cancel

1. Select [Add/Del] from [play list] using "◀, ▶" key.
2. Select additional file to add on Play List using "▲, ▼" key.
3. Press "OK" key to add on to Play List (check mark). And Press "ok" again and then Play List will be deleted.



■ Delete

1. Select [Remove] from [Play List] using "◀, ▶" key.

2. Select delete file from Play List using “▲, ▼” key.
3. To execute press “OK”key.



13. System setup

13-1. How to set up the list

1. Press “MENU” key or “◀, ▶” key.
2. Move to [system setup] menu using “▲, ▼”key.
3. Press “OK”key to select [system setup]
4. Press “◀, ▶” key to select a menu among [video]/[audio]/[subtitle]/[system].
5. Press “▲, ▼”key to select detailed setup list.
6. Press “OK”key to check or not check upon clicking.

13-2. Video Setup

■ HDTV(component), TV Form

This category is to select what kind of TV.



Caution : If this setup is not completed, you may not see correct image.
In this case, press “T/O(TV OUT)”key a couple of times until fine image comes out.
If you change to automatic, then TV form would be automatically set.

■ Screen setup

Select various screen type like letterbox or Pan &Scan.

13-3. Audio setup

■ Audio output

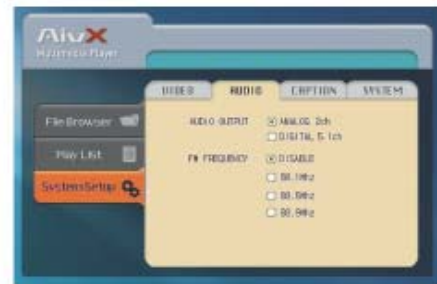
You may select either analog 2ch (stereo) or digital 5.1ch.

■ FM transmission (Option)

Set up to listen sound through FM radio.

If you use FM transmission, you should choose one channel out of four as above.

ex) In order to select "88.1MHz", you should move to "88.1MHz" from FM frequency and press "OK" button



3-4. Subtitle setup

■ Subtitle setup

Be able to select hide or display subtitle.

■ Subtitle language

Select one subtitle as you wish.



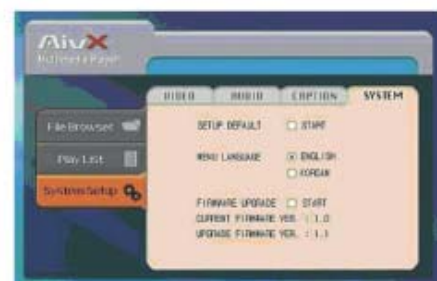
13-5. System setup

■ Initialization

System initialization function used as initializing a factory output.

■ Language

Select language to use.



Caution : Language is set as "English" when the unit was shipped by factory.
Please select language as you wish.

■ Firmware upgrade

Using for firmware upgrade.

"A new firmware version" indicate version "/update/update.bin" of HDD.

"Present firmware version" is a present version using the AivX system now.

■ How to upgrade firmware.

1. Connect AivX to PC.
 2. Create a folder "/update" from AivX HDD.
 3. Download update.bin file from AivX homepage and save to "/update" folder.
 4. Detach AivX from PC.
 5. Connect AivX to TV and turn on the power.
 6. Press "MENU" key.
 7. Move to [system setup] menu using "▲, ▼" key.
 8. Press "OK" key or "◀, ▶" key to select [system setup].
 9. Press "▲, ▼" key to move to "start" item of firmware upgrade
 10. Press "OK" key then you will see reconfirm message
 11. Press "▲, ▼" and move to "yes", and press "OK" then start firmware upgrade will be processed.
- If you want to firmware upgrade cancel then in "No" location press "OK" key.



Caution : Do not turn off while firmware upgrade. It may cause serious system malfunction.

12. Automatically power off after completion of firmware upgrade.
 13. Power on using "POWER" of remote control.
- (Please upgrade if you find a higher firmware version compare to your version.)

VER : M-DVP353-10-050202

FCC Information

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.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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 correct the interference by one or more of the following measures:

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

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.