FLASH tv HD
User Manual

AMKETTE
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Amkette FlashTV HD Media Player
User Manual

1.   <u>Functional Characteristics</u>

1)   Full-HD 1080P Output(Supports all media-video format and smooth decoding function and VC-1(WMV9-HD), H.264, Mpeg2-Hdvideo encoding, 1920*1080P video definition)

2)   Supports MPEG 1/2/4, Divx 3/4/5/6, Xvid, H.263, H.264, WMV, RV 8/9/10 and other video-codes.

3)   Supports the most popular RM, RMVB formatted video playing.

4)   Supports MKV, AVI, TS/TP, M2TS, MOV, VOB, RM/RMVB, WMV and other video formats. Note: The video resolution can be upto 1920*1080P

5)   Supports SRT, SMI, SUB, SSA, IDX+SUB subtitle(Supports Multi-Audio track switch freely and WMA, AC3, DTS audio L/R, support source output)

6)   Supports DTS-HD True-HD Digital 7.1 CH source output.

7)   Supports many audio decoding of formats including MP3, LPCM, ADPCM, FLAC, AAC, WAV & OGG.

8)   AV L/R, YPbPr, HDMI 1.3 version digital output.

9)   Digital-COAXIAL output interface connected with digital amplifier to obtain excellent audio-visual enjoyment.

10) Supports FAT16, FAT32, NTFS,EXT3 andHFS+.

11) Supports SD/MS/MMC port as well as SDHC card.

12) Supports selection of subtitle adjust, subtitle camzoom, color load and location.

13) Supports automatic scanning & sorting of music, photos and movies.

14) Supports slide show with background music.

15) Supports display of infinite photos.

2.   Technical Specifications

Expand Interface	• USB 2.0 HOST port x 1 (USB 1.1) • HDMI, AV,YPbPr • Memory Card Slots (Support SD/MMC/MS Pro) • Optical/Coaxial Digital Audio
HDD Format	FAT/FAT 32/ NTFS/EXT3/HFS+
Format Support*	MKV, AVI, TS/TP, M2TS, RM/RMVB, WMV, MOV, VOB, DAT, MP3, LPCM, ADPCM, FLAC, AAC, WAV, OGG, JPEG, GIF, PNG & BMP format.
Video Decoding	H.263,H.264,VC-1,MPEG ½/4,Divx ¾/5/6,Xvid,WMV,RV 8/9/10
Audio Decoding	WMA, AC3, DTS, True-HD, DTS-HD
Subtitle Format	SRT, SMI, SUB, SSA, IDX+SUB
Specification	• Bit Rate: 32 Kb/s – 320 Kb/s • Stereo Audio Output: 2.0V ± 0.2Vp • Frequency Response: 20 Hz – 20 KHz <equal to 2dB (1KHz 0dB) • SNR Signal: Greater than 80dB (1kHz0dB)
Power Adaptor	Input Voltage: 100-240V AC 50/60Hz Output Voltage: 9V 1.5A
Video Output	• Support Traditional AV: AV 720*576 ,720*480 • HD HDMI Output: HDMI 1920*1080P • YPbPr Output: YPbPr 1080l
Audio Output	• Stereo L/R • Optical + Coaxial Digital Audio
Product Size (mm)	• Flash TV: Φ120 mm , H 20 mm • Display Box: L 220 x W 150 x H 85 mm
Standard Accessories	Power Adaptor, Remote Control, Manual , AV Cable& HDMI Cable(Packaged separately)

Please refer the Playback support list on page 51

Remarks: The specifications and design will be modified if necessary without notice

3. Exterior view and Instruction of remote control

Button	Function
POWER	Press it to start the Player, & to switch it off
MUTE	Mute all sound output
EJECT	Press it for two seconds to eject the external DVD
HOME	Return to the Home Screen
SEARCH	To find the right file
MOVIES	Shortcut for Movies
PHOTO	Shortcut for Photo
MUSIC	Shortcut for Music
VIDEO	Toggle between CVBS & YPbPr analog output
16:9	Select suitable screen ratio
SUB	Switchover the subtitle
ZOOM	Pictures & Movies can be zoomed in/out
GOTO	Go to any movie sequence by selecting a particular time
ROTATE	Rotate images clockwise
OSD	On Screen Display
INFO/PLAYLIST	Display playing files' information/Create a Playlist
OPS(GREEN)	Press to select file or folder to Copy, Delete, Move or Rename
▶❚❚	To play or pause a file
⬆	Up
⬛	Stop Playing
⬅	Left
OK	Confirm
➡	Right
MENU	Open Menu
⬇	Down

RETURN	Back to the previous screen
◀◀	Rewind file upto 32x speed
VOL+	Press to turn up the volume
▶▶	Forward file upto 32x speed
◀◀	Play the previous file
VOL -	Press to turn down the volume
▶▶|	Play the next file

4. Power

- Before switching off, be sure the player is in "standby" status to avoid damage to the hard disk.
- Player still consumes electricity in standby status.

5. Connect to the Display device

There are 3 methods to connect FlashTV HD to the TV. The most preferred method is to use the supplied HDMI cable. In the event that you do not have a TV with an HDMI input, you can use the supplied A/V cable.

- Connect CVBS output (yellow) to TV's CVBS input, L/R output to L/R input.
- Connect YPbPr output to TV's YPbPr input.
- Connect HDMI output to TV's HDMI input.

Attention:

- The Player defaults to the PAL system composite video (The setting of signal-output will be stipulated on the parameter section showed as following)
- YPbPr does not support audio-function. Therefore, it has to be used together with L(white)/R(red) sound or optical & Coaxial
- Don't plug HDMI and AV terminal into the display device simultaneously. Otherwise it may affect the clarity of a picture.

6. Remote Control's Range

- The remote control should be used within 7 meters from the player and within an area of 60 degrees.
- The coverage area can change depending on different environmental conditions.

7. Operation Introduction

- On the Main Menu, press ◄ or ► to select an option and press "OK" to confirm

8. Menu Setting

- This menu is mainly used for the first time for setting the parameter.

8.1) <u>System</u>

- On the main menu, press ⬆ or ⬇ to select System option and press "OK" to enter.

Language	Press "OK" to enter the multi-language list, use ⬆ or ⬇ to select a language and press "OK" to confirm.
Text Encoding	Press "OK" to enter text encoding, use ⬆ or ⬇ to select a related language and press "OK" to confirm.

R/RW Playing Automatically	If the system reads a DVD-R/RW, press this button to play its contents. Go to R/RW Auto-Play and select yes or no. Press "OK" to confirm.
Screen Savers	Press "OK" to enter, select Off or On. Press "OK" to confirm.

Keyboard Language	Press "OK" to enter, use ⬆ or ⬇ to select a language. Press "OK" again to confirm.
Scanning Storage Device	Press "OK" to enter, use ⬆ or ⬇ to select scanning type. Press "OK" again to confirm.

Resume Playing	This function allows you to return to a movie from the main menu screen.
Formatting	Press "OK" to enter, use ⬆ or ⬇ to select format. Press "OK" again to confirm.
Factory Default	The set parameters will change to its factory default settings by pressing this button.

8.2) <u>Audio settings</u>

Night Mode	You can select "Off" or "On" or "comfort" mode in this section. By selecting "Night Mode" the sound will be automatically adjusted to avoid inconvenience to others.
HDMI Output	LPCM, LPCM Muti-CH or Raw type can be selected when the player is on the HDMI output. Press ⬆ or ⬇ to select & "OK" to confirm.

SPDIF Output	The LPCM or RAW of SPDIF can be selected by pressing ⬆ or ⬇ & "OK" to confirm.

8.3) Video Setting

Screen Ratio	The screen-ratio can be selected as "Pan Scan 4:3, Letter Box 4:3, Wide-Screen 16:9 or 16:10". Press ⬆ or ⬇ to select and "OK" to confirm.

TV System	The TV Video system can be selected as 1080P 50Hz, 1080P 60Hz, NTSC, PAL, 480P, 576P, 720P 50Hz, 720P 60Hz, 1080i 50Hz or 1080i 60Hz. Press ⬆ or ⬇ to select and "OK" to confirm. HDMI Auto is the default Option.
Video Zoom	"Zoom in" or"Zoom out" can be selected. Default option is OFF.

Noise Reduction	Select "Off" or "Auto" to reduce the noise.
1080P 24Hz	Select 1080p 24 Hz

CVBS/YPbPr	"CVBS" and "YPbPr" can be selected.

8.4) MISC

Version Info	Relate version information.
U Disk Upgrading	1. Make sure the firmware is copied to the storage device.
	2. Select USB upgrade and press "OK" to confirm. After confirmation,the screen goes blank for few seconds.

3. The system starts upgrading automatically. When finished, restart automatically and return back to the main menu.
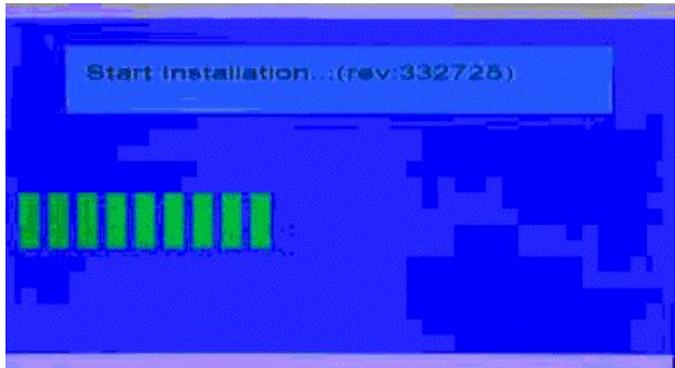
9. File Management

- Select file manager on the main menu. This function enables you to review music, photos, movies and files stored on the HDD, DVD or external USB device.

10. File Browsing Mode

- Press "OSD" to enter the file browsing menu & select the "Browse-Demonstration Mode." Select one from thumbnail, list, preview, media, film, photo and music using ⬆ or ⬇ and press "OK" to confirm.

1. Thumbnail Mode

- On the thumbnail mode, press ⬆ , ⬇ , ➡ or ⬅ to review each file and ⏭ to skip page, press "OK" to enter and "RETURN" to return back, press "OK" to confirm playing.

2. List Checking

- Review the file by list, and follow the same steps as in Thumbnail Mode.

3. Preview Mode

- Review the file by list, and follow the same steps as in Thumbnail Mode.

4. Display All Media

- By selecting this option, all stored files including movies, music, photos will be displayed on the screen. Follow the same steps as in Thumbnail Mode.

5. Movie Display

- All stored movies will be listed on the screen. Follow the same steps as in Thumbnail Mode.

6. Photo Display

- All stored photos will be listed on the screen. Follow the same steps as in Thumbnail Mode.

7. Music Display

- All stored audio files will be listed on the screen. Follow the same steps as in Thumbnail Mode.

11. File Editing

- Go to "File Manager", press "Green" button to enter and Select Copy, Delete, Move, Rename or Multiple.

Select function & press "OK" to confirm.

1. Copy

Follow these steps:

  a. Select each particular file and press "Green" button to enter file editing.

b.   Press ⬆ or ⬇ to select "copy" and then select the file-storage destination.

c.   Copying the file to the selected destination.

- This function also enables copying of several files at one go. Follow the steps as below:

1.   Select "multiple-select" on the file editing, the file lists will be displayed accordingly

2. Select the files you want to copy. See the image below:

3. Press "Green" button to enter file editing and select "copy" to copy the file as instructed in the image below:

4.   Select the destination as shown in the image below:

2. Delete

Follow these steps:

- Select a file and press " Green" button to enter file editing:

- Use ➡ or ⬅ to select delete as is shown below:
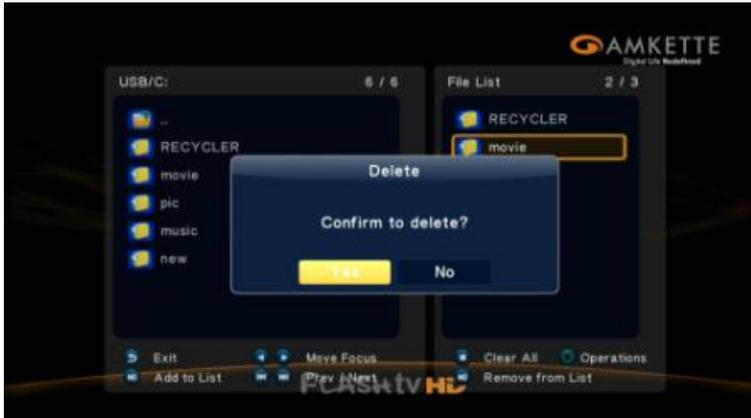
a) This function also enables deleting of several files at one go. Follow the steps as below:

- Select "multiple-select" in file editing, the file lists will be displayed accordingly. Select "delete" to finish.
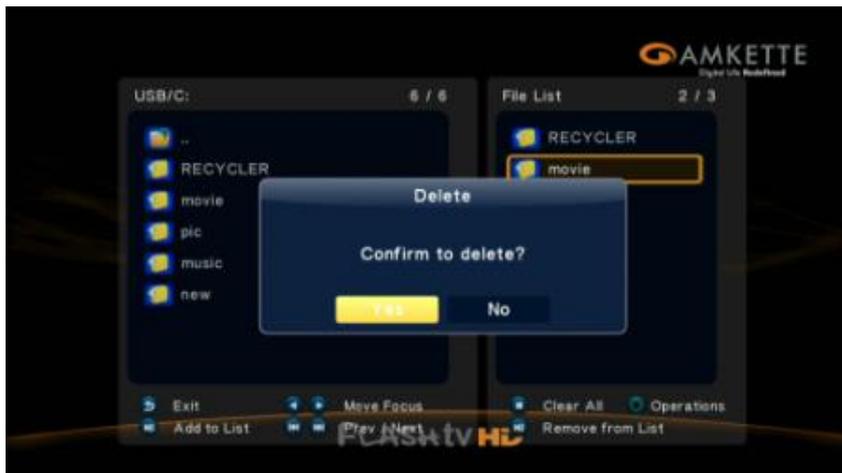
3.   **Move**

- Follow the same steps as in Copying & Deleting, except choose to **Move** instead.

4. Rename

1. Select a file which you want to rename and press "Green" button to enter file editing
2. Select "Rename" on the appeared window.

3. Press "OK" to confirm.

4. Type in the new name to replace the original one.

5. Confirm the New Name.

12. Music

- From this folder, all stored audio files in the player can be reviewed.

a) Automatic Playing

- Press "OK" or " ▶❚❚ " to start playing

- "▶▶❚": Playing next music

- "❚◀◀": Playing previous music

- "VOL-/VOL+": Turn up or turn down the volume

- " ■ ": Stop playing

- "RETURN": Back to music folder, the audio file will be played automatically
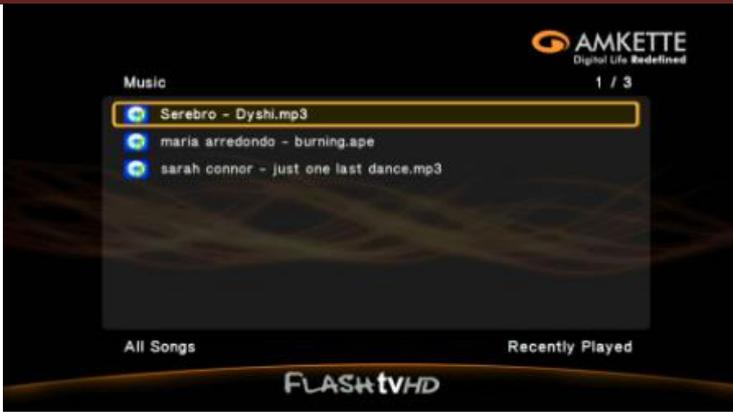
- While the file is playing, press "OSD" to select Repeat, Playing one time, Continuous playing or Random convert.

b)   Search

Press "OSD" on the music review list & follow these steps:

- Press " ▲ " or " ▼ " to select Search option.

- The file can be searched by name, just type in the particular file name and press"OK" to confirm.

c)   Playing

- Press " ▲ "or " ▼ " to select Playing, the playing file will be listed accordingly.

d)   Thumbnail

- Press " ▲ "or " ▼ " on the music review list and select Thumbnail. The storedfiles in the folder will be displayed asthumbnail, and the default file will be displayed only if the file folder is empty.

e)   List

- Press " ▲ "or " ▼ " and select List, then all audio files will be listed accordingly.

f)   Preview

- Press " ▲ "or " ▼ " to select "preview", all audio files will be displayed

accordingly.

g)   Browse Files

- Press " ▲ "or " ▼ " and select "Browse Folder" to enter file storage. Press "music" to return to file-management.

h)   Display Music Files

- Press " ▲ "or " ▼ " to select Display Music Files. All music files stored in the folder will be listed accordingly.

i)   Display Album

- By pressing this button,the files can be selected according to album, artist, type or published year. Press "OK" to confirm.

j)   Display Artist

- The files are sorted by artist.

k)   Display Genre

- The files are sorted by genre.

l)   Display Year

- The files are sorted by year.

m)   Display PlayList

- The Info button can be used when in the music section to create Playlists.
- The files are sorted by playing list.

a) This function supports addition of a new playlist. Follow the steps as below:

- Press "green" button and the file list window will appear accordingly.

- Select the file that you want to add to the new list.
- Press "Green" button and multiple-editing window will appear accordingly.
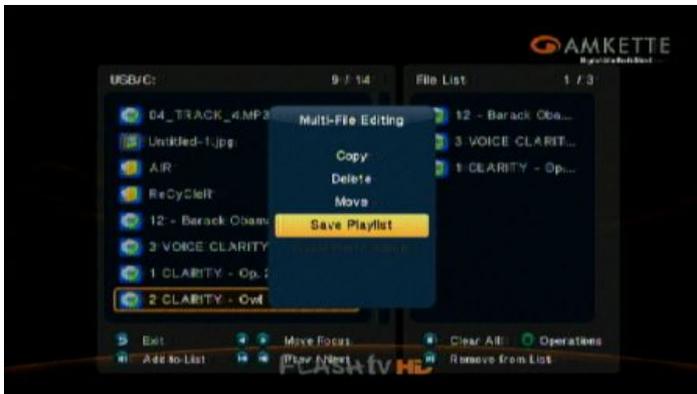
- Select "Save Playlist" to save the playlist in a particular folder.
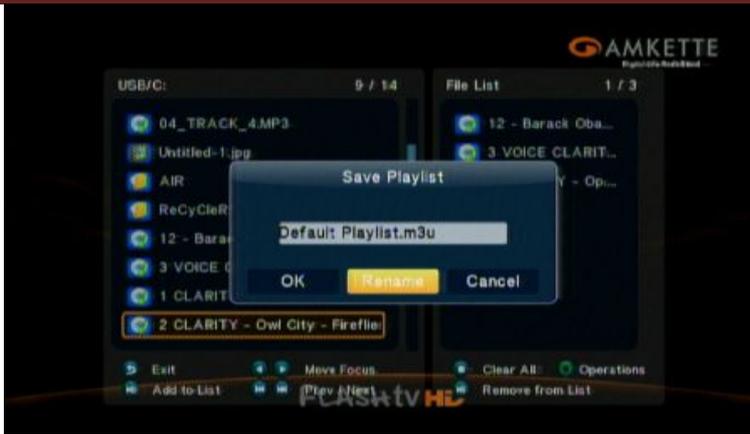
n) Recently Played

- This option displays all the recently played files.

o) Recently Added

- This option displays the recently added files.

p) Name

- The files are sorted by name.

13. Photo

- From this folder, review all pictures stored in the player.

a) **Slide Display**

Select a particular picture file and press "OK" or " ▶❚❚ " to startplaying it, while the picture is playing, use the below mentioned functions to make desired changes:

- " ▶▶❚ ": Move to the next picture.

- " ❚◀◀ ": Move to the previous picture.

- "ZOOM": Magnify pictures upto 2X, 4X, 8X or 16X.

- " ■ ": Stop playing

- "RETURN": Return to picture review list.

- Press "INFO" to get information about a particular picture.

Notice:

1. Picture is reviewed automatically.
2. A file can be reviewed even when an audio track is playing.
3. The parameters of a slide show can be adjusted while music is playing, Press "OSD" to select an item.

- Slide Timing – Setup a picture's playing time.

- Slide Switch - Setup the picture's slide show mode.

- Play one time- Play the slide show only once.

- Continue playing- Repeats the slide show.

- Random Converting- Plays pictures automatically in a random manner.

- Select Music- Select the background music for a slide show.

- Image Output Setting- Setup the brightness, contrast, saturation, hue of the playing pictures.

b) **Search**

Press "Option" on the picture review list, follow the steps below:

- Press " ⬆ " or " ⬇ " to select "Search" option.
- The file is searched by name, just type in the particular document name and press "OK" to confirm.

c) **Thumbnail Checking**

- Use " ⬆ "or " ⬇ " to select "Thumbnail" from the picture review list. All stored files in the folder will be displayed as thumbnails and the default file will be displayed only if the file folder is empty.

- The movie file will appear only if there is a picture with the same name.

d) **List**

- Use " ⬆ " or " ⬇ " to select "List"option. The stored pictures will be displayed as a list.

e) **Preview**

- Use " ⬆ " or " ⬇ " to select "Preview"option. The stored pictures will be displayed accordingly.

f) **Photo Folder**

- Use " ⬆ " or " ⬇ " to select Photo folder. Press "Picture" to move to File Management.

g) **Date Viewer**

- Select "Date View" to view the stored images date wise.

h) **Display All Pictures**

- Use " ⬆ "or " ⬇ " to select "Display All Pictures", then all pictures stored in a folder will be listed accordingly.

i) **Album**

- All albums will be displayed by selecting this option.

j) **Name**

- The files are sorted by "name"

k) **Recently played**

- The recently reviewed pictures will be displayed by selecting this option.

l) **Recently added**

- The recently added pictures will be displayed by selecting this option.

14. <u>Movie</u>

All movies stored in the player can be reviewed from this folder.

a) Video Media Player

Select a movie and press "OK" or "▶❙❙" to start playing. While the movie is playing, use the below mentioned functions to make desired changes:

- "◀◀": Available speed for rewinding: 1x, 1.5x, 2x, 4x, 8x, 16x, 32x

- "▶▶": Available speed for forwarding: 1.5x, 2x, 4x, 8x, 16x, 32x

- "▶▶❙": Plays the next movie.

- "❙◀◀": Plays the previous movie.

- "SLOW MODE": Slow down the playing speed upto 1/16 x

- "ZOOM": Magnify the screen upto 2X, 3X, 4X or 8X.

- " ■ ": Stop playing the movie

- "RETURN": Return to movie review list

- Press "INFO" to get information about a particular movie.

The parameters of playing a movie can be adjusted while it is being played. Press "OSD" to select an item.
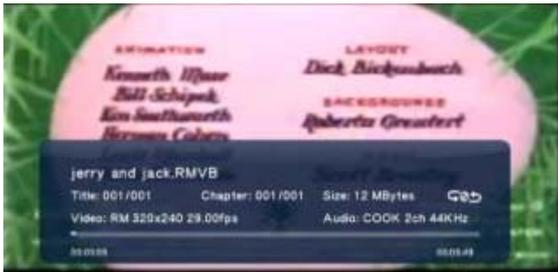
b)   Search

Press "OSD" on the movie review list & follow the below mentioned steps:

- Press " ↑ " or " ↓ " to select search option.
- The Movie is searched by name, just type in the particular Movie name and press"OK" to confirm.

c)   Thumbnail Checking

- Use " ▲ " or " ▼ " to select "Thumbnail" from the movie review list. All stored files in the folder will be displayed as thumbnails and the default file will be displayed only if the file folder is empty.

- The movie file will appear only if there is a picture with the same name.

d) List

- Use " ▲ " or " ▼ " to select "List" option. The stored movies will be displayed as a list.

e) Preview

- Use " ▲ " or " ▼ " to select "Preview" option. The stored movies will be previewed accordingly.

f) Display All Movies

- Use " ▲ "or " ▼ " to select "Display All Movies", then all movies stored in a folder will be listed accordingly.

g) Display DVD

- This function works only for a DVD file. File formats like"avi, mov, rmvb" will not be supported.

h) Folder

- Use " ▲ " or " ▼ " to select Photo folder. Press "Picture" to move to File Management.

i) Name

- This option lists movies according to their name.

j) File size

- The files are sorted by its size.

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k) Click rate

- The files are sorted by its click rate.

l) Recently Added

- The recently added movies will be displayed by selecting this option.

m) Subtitle

- Select a movie and press "OK" or "▶❙❙ "to start playing,while the movie is playing, follow the below mentioned steps:

  ➔ Use " ⬆ " or " ⬇ " to select the "Subtitle" option. Now select the language your want. Other features like Open/Close subtitle, Subtitle location: 0 ~ 640, Subtitle size: 3 ~ 40, Language or Subtitle color can also be selected.

  ➔ Press " ➡ " or " ⬅ " to select, press " ⬆ " or " ⬇ " to adjust and press "RETURN" to return back to the playing menu.

n) Audio

- Use " ⬆ "or " ⬇ " to select "Audio" option and press "OK" to confirm.

o) Skip Playing

- Press "Skip Playing" and "OK"to confirm skip. Other features like Hour, Minute, Second, Title and Chapter can also be selected to have desired results.

- Press " ➡ " or " ⬅ " to select, press " ⬆ "or " ⬇ " to adjust and press "RETURN" to return back to the playing menu.

p) Repeat Title

- Use this option to repeat a file.

q) Cycle Playing

- Use this option to play files continuously.

r) Playing Sequentially

- Use this option to play files in a sequence.

s) Image output setting

- Set up the brightness, contrast, saturation & hue of the playing movie.

Amkette FlashTV Media Playback Support List

Video				
File Type/(Ext)	**Video Type**	**Audio Type**	**Detail specification**	**Remark**
MP4, MOV / (.mp4, .mov, .xvid, .m4v)	DIVX 3/4/5/6 Motion JPEG,MPEG-4 SP/ASP(XviD), MPEG-4 AVC (H.264),AVS	LPCM, uLaw,aLaw MPEG-AUDIO HE-AAC ,LC-AAC AC3, Dolby Digital Plus,Vorbis MS-ADPCM	DivX :Up to 1920x1080x30p M-JPEG: support 640x480x30p (848x480x10palso test ok) MPEG4 SP/ASP: up to 1920x1080x30p AVS: Jizhum profile @ level 2.0 4.0 4.2 6.0 6.2 H.264 : Main and High Profile @ Level 4.1, Baseline profile @ Level 3.1	M-JPEG: support all modes H.264 @ Level 4.1:limitation of 50Mbps
AVI /(.avi,divx)	MPEG-1,DIVX 3/4/5/6, Motion JPEG,MPEG-4, SP/ASP(XviD), MPEG-4, AVC (H.264),VC-1	LPCM, uLaw,aLaw MPEG-AUDIO HE-AAC, LC-AAC AC3, Dolby Digital Plus,DTS,Vorbis, MS-ADPCM, WMA, WMA Pro	MPEG-1: support up to 1920x1080x30p DivX:Up to 1920x1080x30p MPEG4 SP/ASP: up to 1920x1080x30p M-JPEG : support 640x480x30p (848x480x10p also test ok) H.264 : Main and High Profile @ Level 4.1, Baseline profile @ Level 3.1	VC-1 : not support Format : CP(Complex profile) M-JPEG: support all modes H.264 @ Level 4.1:limitation of 50Mbps DivX is a registered trademark of DivX, Inc., and for DivX Licensee only
MinusVR	MPEG-1,MPEG-2	LPCM,MPEG-1 Layer2,AC3	MPEG-1: support up to 1920x1080x30p MPEG-2: UP to HD	MPEG-1:No profile/level definition MPEG-2:Simple and Main Profile @ High Level
DVD Video /(ISO)	MPEG-1,MPEG-2	LPCM,MPEG-1 Layer2,AC3,DTS	DVD-video image	MPEG-1:No profile/level definition MPEG-2:Simple and Main Profile @ High Level
ASF, WMV /(.asf, .wmv,	DVIX3/5,MPEG-4, SP/ ASP(XviD),VC-1,WMV9	LPCM WMA WMAPro ADPCM	DivX:Up to 1920x1080@30P MPEG4 SP/ASP: up to 1920x1080x30p VC-1: SP, MP, AP@L3	VC-1 : not support Format : CP(Complex profile) DivX is a registered trademark of DivX, Inc.,

.xvid)				for DivX Licensee only
FLV /(.flv)	H.263,MPEG-4 AVC (H.264),VP6	LPCM,MPEG-AUDIO,HE-AAC ,LC-AAC	H.263: 352x288,VP6: 640x480	maybe larger size possible, no testing materials for that.
MKV /(.mkv,. xvid)	DIVX 3/4/5/6, MPEG-1, MPEG-2, MPEG-4, SP/ASP(XviD), MPEG-4 AVC (H.264)	LPCM,MPEG-AUDIO,AC3, Dolby Digital Plus,HE-AAC ,LC-AAC,DTS,Vorbis,M S-ADPCM, WMA, WMA Pro,FLAC	DivX:Up to 1920x1080x30p, MPEG-1: support up to 1920x1080x30p, MPEG-2: UP to HD, MPEG4 SP/ASP: up to 1920x1080x30p, H.264 : Main and High Profile @ Level 4.1,Baseline profile @ Level 3.1	MPEG-1:No profile/level definition,MPEG-2:Simple and Main Profile @ High Level,H.264 @ Level 4.1:limitation of 50Mbps,DivX is a registered trademark of DivX, Inc., and for DivX Licensee only
RM, RMVB /(.rm/.r mvb)	RV8, RV9	COOK,HE-AAC, LC-AAC,RA-Lossless	Suport to 720@30P	
TS /(.ts/m 2ts/mts /tp/trp)	MPEG-1, MPEG-2, MPEG-4 AVC (H.264),VC-1, AVS	LPCM,MPEG-AUDIO,AC3, Dolby Digital Plus,HE-AAC, LC-AAC,DTS, TrueHD	MPEG-1: support up to 1920x1080x30p, MPEG-2: UP to HD,H.264 : Main and High Profile @ Level 4.1,VC-1: SP, MP, AP@L3,AVS: Jizhum profile @ level 2.0 4.0 4.2 6.0 6.2	MPEG-1:No profile/level definition,MPEG-2:Simple and Main Profile @ High Level,H.264 @ Level 4.1:limitation of 50Mbps,VC-2 : not support Format : CP(Complex profile)
DAT, MPG, MPEG /(.dat, .mpg, mpeg)	MPEG-1, MPEG-2	LPCM,MPEG-AUDIO,AC3,HE-AAC, LC-AAC, DTS	MPEG-1: support up to 1920x1080x30p, MPEG-2: UP to HD	MPEG-1:No profile/level definition MPEG-2:Simple and Main Profile @ High Level
VOB /(.vob)	MPEG-1, MPEG-2	LPCM,MPEG-1 Layer2,AC3,DTS	MPEG-1: support up to 1920x1080x30p, MPEG-2: UP to HD	MPEG-1:No profile/level definition,MPEG-2:Simple and Main Profile @ High Level

swf/(.swf)	H.263,VP6	ADPCM,MP3	H.263: 352*288,VP6: 640*486	Flash 8.0
AVS/(.avs)	AVS	no	AVS: Jizhum profile @ level 2.0 4.0 4.2 6.0 6.2	pure video

Audio

File Type/(Ext)	Video Type	Audio Type	Detail specification	Remark
Mpeg-1 Layer 3	mp3		bit rate: 8/16/24/32/40/48/56/64/80/96/112/128/1 60/192/224/256/320/VBR	
WMA	wma, asf	WMA 7~9.1	bit rate: CBR up to 320 kbps, VBR up to 256 kbps	1.Microsoft Licensee only, 2. WMA 7~9.1 is WMA2
WMA pro	wma, asf	WMA pro 9.1	Multi-CH	1.Microsoft Licensee only video output not support 2. Forward speed just 1x
MPEG-1/2 Layer1/2	n/a (included in the video only)	MPEG1/2	Multi-CH	
Wav	wav		Microsoft ADPCM only	
MKA	MKA			
LPCM	n/a (included in thevideo only)		LPCM (8/16/20/24 bits) a-law,u law	
ADPCM	n/a (included in thevideo only)	1. Microsoft ADPCM 2. G.726	1. Microsoft ADPCM just 32Kbps 2. G.726 bit rate: 16/24/32/40 Kbps	

AAC	aac,mp4,M4A	MPEG-2/4 LC/HE profile AAC+ ver 1/2	**bit rate:** up to 288 kbps	AAC variable bit rate : just forward speed 1.5x~2x ADIF can't FF/FR ADTS can FF/FR
APE(Monkey Audio)	ape			ape file have single or multi track. Navigation ape file need "*.cue" file
OGG Vorbis	ogg	up-to-date	**Sampling rate:**32K, 44.1K, 48K,64K,88.2K,96K,176K,192K	
Dolby Digital AC3	n/a (included in thevideo only)	AC3 5.1	5.1 CH	Dolby Licensee only
Dolby Digital Plus	n/a (included in thevideo only)	AC3+ 7.1	7.1 CH	Dolby Licensee only support DDP to DD incode
DTS	wav or included in	DTS 5.1	5.1 CH	DTS Licensee only
DTS-Master Audio	n/a (included in thevideo only)	DTS-HD 7.1	7.1 CH	1. DTS Licensee only 2. Forward speed just 1x
Dolby TrueHD	n/a (included in thevideo only)	lossless 7.1	8 CH, up to 192 KHz	1. Dolby Licensee only 2. Forward speed just 1x
RA-Cook	ra, rm, rmvb	RA6,RA9	2 CH	Realmedia license only
RA-lossless	ra, rm, rmvb	RA10	2 CH	Realmedia license only
FLAC	Flac		2CH, VBR	
BBE	N/A	surround	2 CH	BBE License only
SRS	N/A	surround	2CH SRS WOW, TruSurround	SRS License only
Prologic II	N/A	surround	5.1 CH	Dolby Licensee only

Dolby Audistry	N/A	surround		Dolby Licensee only
iLBC	N/A			internet Low Bitrate Codec

Picture

Media Type	Ext Name	Version support	Detail Specification	Remark
JPEG	jpg/jpeg		support baseline mode & progressive baseline	baseline mode: size <=30000*15000; progressive baseline: color mode = 444, size <= 2080x2080 color mode = (422, 440), size <= 2544x2544 color mode = (420, 400, 411, others), size <= 2944x2944
BMP	bmp		support all modes	Size<=10000*10000
PNG,GIF	png,gif		support interlace not support animation mode	PNG<=4096*4096 GIF<=10000*10000 not support animation mode
TIFF	tiff		support all mode	GIF<=3264*2176

Subtitle

Media Type	Ext Name	Version support	Detail Specification	Remark
SubRipper	.srt		Plain text only	
MicroDVD	.sub		Plain text only	
SAMI	.smi		Plain text only	
VobSub	.idx + .sub		DVD-Subtitle (bitmap)	
SubStation Alpha	.ssa		Plain text only	
Advance SubStatio	.ass		only basic feature	

n Alpha				
DVD Subtitle	N/A	DVD Video	Embedded in DVD only	
DivX Subtitle	N/A	DivX Ultra / DivX HD	Embedded in AVI/DivX container only	
BD Subtitle	N/A	BD video(PGS)	Embedded in BD only	

File System

Type	Read	Write	Detail Specification	Remark
NTFS	YES	YES		
FAT32	YES	YES		
EXT3	YES	YES		
HFS	YES	YES		
UDF 2.5	YES	NO		
ISO 9660	YES	NO		

Note: There is no sound when audio file speed over 2X or play reverse

Note: FlashTV can't play audio file when it's in slow forward

Warranty Statement

The Amkette FlashTV HD is backed by a 1 Year performance warranty against any manufacturing defects in material or workmanship from the date of original purchase. This warranty entitles the purchaser to get the product repaired or replaced under the following conditions:

• The Warranty applies to the original purchase.Proof of Original purchase is required.

• The warranty does not cover the damage caused by misuse, abuse or improper storage

• In no event shall Amkette be responsible for any direct, incidental, consequential or other damages of any kind.

Please contact our Technical Support Line and/ or send the defective product, postage pre paid, together with the proof of purchase to our Customer Care Service Center to avail warranty service. Return postage will be paid by us.

Customer Care Service Centre

Amkette House, C-64/4, Okhla Phase-II, New Delhi 110020

Support Information

For General Inquiries:

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For Technical support:

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