



USER GUIDE

For Laser® MVP2

Multimedia Video Player

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Laser® MVP2 is a brand-new generation of digital portable device, supporting MP3/WAV music format, digital recording, FM stereo radio, AMV format playback, JPEG photograph browse and E-book text reading .Its perfect sound quality, great reliability and exquisite appearance make it a masterpiece.

1. Unique Features

- **Exquisite Appearance**

Ultra slim design

- **Multi-format Player**

e.g.: MP1, MP2, MP3, WMA, WMV, ASF and WAV Music format

- **Firmware Upgrade**

Providing the latest updated features via firmware upgrade from the website (use with caution)

- **FM Function**

You may easily listen to FM stations and set your favorite stations by using Auto search or Manual Search. The player can save 20 local stations.

- **Driver Free Disk Management**

You may manage your files directly through “Portable Disk” in “My Computer” on Winows2000 Operating System or above without driver installation.

- **“Private Space” Disk Mode**

The flash memory can be divided into two parts by using the accessory tools and one is encrypted to hide the contents (to prevent viewing by others)

- **Record/ Replay**

The player supports recording through built-in microphone and saves as WAV and ACT formats. It also supports real digital A-B replay or comparison replay.

- **7 Preset EQ**

Natural, Rock, Pop, Classic, Soft, Jazz and DBB

- Multi-play Mode

Normal, Repeat One, Folder, Repeat Folder, Repeat All, Random, Intro.

- Power Off

Programmable Sleep Timer and Power Off mode.

- GUI (Graphic User Interface) MENU

Animated MENUs with corresponding characters make it easy to operate.

Declaration

- Thank you for your purchase.
- Please read this manual carefully before using your new player.
- Contents in this manual may change.
- We have the right to make changes to this manual without notice.
- The pictures and diagrams used in this manual are a guide only and may not correspond to the actual product.
- If the actual operations of your player is not the same as the instruction in this manual, please visit our Website for latest product information – www.laserco.net

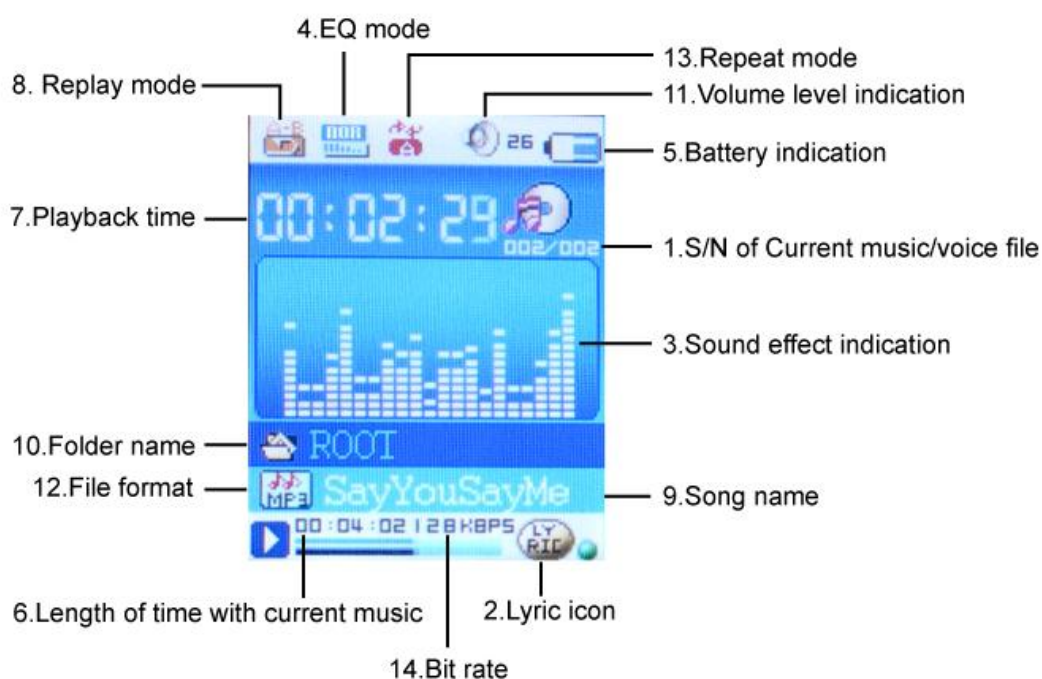
2. Locating the Controls

I Appearance & Keys



S/N	Description	S/N	Description
1	Menu button	6	Play / Stop / turn on/off button
2	Next track/Forward (:)	7	MIC
3	Previous track/ Rewind (9)	8	Power switch
4	Earphone jack	9	Volume+
5	USB port	10	Volume-
11	Built-in speaker		


I LCD Window




S/N	Description	S/N	Description
1	S/N of Current music/voice file	8	Replay mode
2	Lyric icon	9	Song name
3	Sound effect indication	10	Folder name
4	EQ mode	11	Volume level indication
5	Battery indication	12	File format
6	Length of time with current music	13	Repeat mode
7	Playback time	14	Bit rate

I Battery

The player is in multilevel level battery monitoring system.

 Indicates that the internal battery is fully charged.

 Indicates low battery power and battery should be charged up.

3. Basic Operation

I Entering MENU System

Pressing MENU button will enter the menu system, including main MENU (press and hold MENU button at Stop state), submenu at Play state (press MENU button to enter) and submenu at stop state (press MENU button to enter).

I Browsing

○ Browsing music files or menu options :

Press : /⌂ button

○ Fast forward or fast backward when playing:

Press and hold : /⌂ button

I Entering Different Modes

You may enter different modes from the main MENU.



I Volume Control

At the music mode, voice mode, movie mode and FM mode, press “+” and “-” buttons to adjust volume.

I Power On/Off

1. Turn on automatically

w After pushing the **Power** button (OFF→ON), the player will turn on automatically and enter powered on state:



W

W When connecting the USB cable to PC, the player will turn on automatically and enter USB mode.

Remark:

Press **MENU** button to return to the main MENU at the modes. When connecting the USB cable to PC. Press and hold **PLAY** button then will go back to USB mode.

2. Turn the unit ON/OFF manually

- ◆ When the player is switched off, press and hold **Play** button to turn the unit on
- ◆ When the player is switched on, press and hold **Play** button to turn the unit off

I Play& Stop (Pause when recording)

Press the **PLAY** button

4. Operating buttons

I Music mode and Voice mode

Buttons	Operation	Stop Status	Play Status	Play Submenu	Stop Submenu
PLAY	press and hold	Turn off	Turn off	Turn off	Turn off
	Press	Play	Stop	Exit from MENU	Exit from MENU
MENU	Press and hold	Enter main MENU	Enter main MENU	Enter main MENU	Enter main MENU
	Press	Enter Stop-submenu	Enter Playing- submenu	Confirm current option or enter next submenu	Confirm current option or enter next submenu
:	Press	next song	Play next song	Switch submenu	Switch submenu
	Press on	Continuous forward browse	Fast forward	Continuous forward	Continuous forward
9	Press	Previous song	Play previous song	Switch submenu	Switch submenu
	Press on	Continuous backward browse	Fast backward	Continuous backward	Continuous backward
+ and -	Press	Enter volume control state	Enter volume control state	X	X

I Record Mode



Operation	Action	Stop Status	Record Status
PLAY	press and hold	turn off	stop recording
	press	start recording	pause recording
MENU	press and hold	enter main MENU	X
	press	enter Record submenu	X

I FM Mode

Operation	Action	FM Status	FM Submenu
Play	press and hold	turn off	turn off
	press	X	quit from MENU
MENU	press and hold	enter main MENU	enter main MENU
	press	Enter submenu	confirm current option or enter next submenu
:	push	increase 100KHz gradually or stop search	switch submenu
	press on	Increase 100KHz search continuously	continuous forward
9	push	decrease 100KHz gradually or stop search	switch submenu
	Push on	decrease 100KHz search continuously	continuous backward
+ and -	press	Enter volume control interface.	X

5. Play Music

I Basic Operation

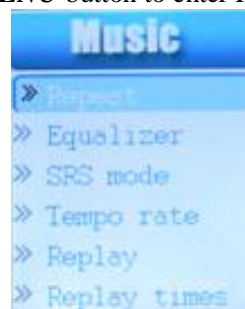
1. Connect the earphone to the player	2. Push POWER \rightarrow ON
3. Press and hold PLAY button to power on the player, and then enter the main MENU:	4. press <i>MENU</i> button to enter the Music mode:
	
5. Press the PLAY button to play music	6. Choose music 9 button : to choose previous track. : button : to choose next track.
7. Volume control Press the + and - button to adjust volume.	

I EQUALIZER Mode

1. When playing music



2. Press the *MENU* button to enter Play Submenu



3. Press: button to choose Equalizer option

4. Press the **MENU** button to enter EQ selection MENU.

EQ options list:

5. Press : button to switch, and press *MENU* button to confirm

I Lyric Display

This player supports “*.LRC” lyric files (user can download from internet or use the lyrics editor to edit it.), and lyrics may be displayed while playing music.

Y How to use lyric files?


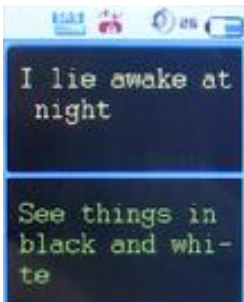
Save the lyric file with the same name as that of the corresponding music file.

For example.: Music file name: GiGi-Sky.mp3

Lyric file name: GiGi-Sky.LRC.

Y How to know whether the lyrics exist?

If the current song has matching lyric files, the lyric **LYRC** sign will be displayed at the top of music mode.

1. Current song has matching lyric files	2. Press and hold MODE to enter the Lyric Interface when playing.
	

6. Movie mode

1. Enter the main MENU and press the : button to select “Movie” mode.






2. Press MENU to enter.
3. Press PLAY to start playing AMV files
4. Choose movie
 - 9 button : to choose previous file.
 - : button : to choose next file.
5. Volume control
 - Press the + and - button to adjust volume.

7. Record Voice


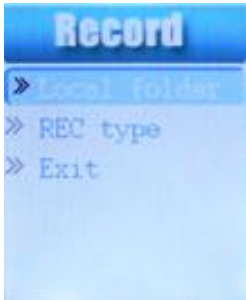
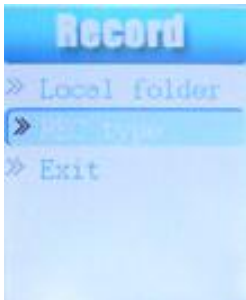
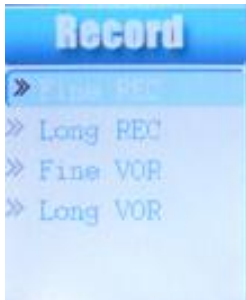
Make sure that the battery is not in the status of “low battery”.

The player may save 99 recording files under each directory.




I Recording in Record Mode

1. At the main MENU.	2. Press : button to choose Record mode.
	
3. Press <i>MENU</i> button to enter Record mode	4. Press <i>Play</i> button to start recording.
	5. Press <i>Play</i> button again to pause recording.
	6. Press <i>Play</i> button to continue recording.
	7. Press and hold <i>Play</i> button to stop recording.

I Select REC type

1. At the record mode stop interface :	2. Press <i>MENU</i> button to enter record submenu												
													
3. Press : button to select “ REC type” option	4. Press <i>MENU</i> button enter this option												
													
5. Press : button to select desired recording type	REC type: <table><tr><td>Fine REC</td><td>WAV format</td><td>Fine timbre</td></tr><tr><td>Long REC</td><td>ACT format</td><td>Generic timbre</td></tr><tr><td>Fine VOR</td><td>WAV format</td><td>Voice control record</td></tr><tr><td>Long VOR</td><td>ACT format</td><td>Voice control record</td></tr></table>	Fine REC	WAV format	Fine timbre	Long REC	ACT format	Generic timbre	Fine VOR	WAV format	Voice control record	Long VOR	ACT format	Voice control record
Fine REC		WAV format	Fine timbre										
Long REC		ACT format	Generic timbre										
Fine VOR		WAV format	Voice control record										
Long VOR	ACT format	Voice control record											
6. Press <i>MENU</i> to confirm the type selected													
7. Press <i>PLAY</i> button to start recording													
Note: Voice control will automatically pause the recording when no sound is present.													

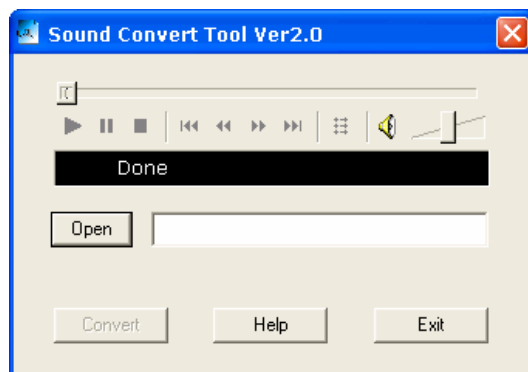
8. Play Recorded Files

<p>1. Enter the main MENU</p> 	<p>2. Press : button to choose “ Voice mode”</p> 
<p>3. Press MENU button to enter Voice mode interface</p> 	<p>4. Press PLAY button to start playing.</p> <p>5 . Choose music 9 button : to choose previous record file : button : to choose next record file.</p> <p>6 . Volume control Press the + and - button to adjust volume.</p>

U Convert ACT format files to WAV format files

The ACT format files can be converted to WAV format files through the accessory installation tools.

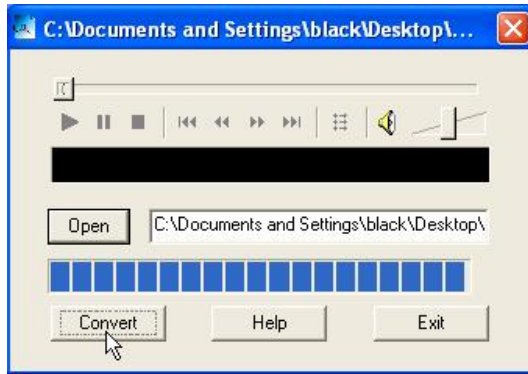
1. Run “Sound Convert Tool” program, and click “Open” button.



2. Choose the ACT format files need conversion



3. Click the “Convert” button, the conversion starts



- Besides the conversion from ACT to WAV, the accessory tool can also play WAV and MP3 files.

9. Operate FM Radio

<p>1. Enter the main MENU</p> 	<p>2. Press : switch to select FM Mode.</p> 
<p>3. Press MENU button to enter FM mode</p> 	<p>4. Press MENU button to enter FM submenu ,</p> 

Submenu options introduction:

- Auto Search

At FM mode press the button to start search stations automatically, then the player can auto scan any frequency between 87MHZ and 108MHZ
- Manual search

Press </>button = forward or backward single step 100KHZ to manually search for a station;
Press the </> button for about 2 seconds, and the player scans forward or backward and stops at the scanned station. If you want to stop scanning, press </> switch to stop.
- Save the manual searched stations

Enter FM submenu and search “ Save” option, and then Again press MENU button to save current station.
- Listen to the saved stations

If there exist more than one station, press PLAY button to listen to the station in sequence.
- FM Record

Press MENU button to enter FM submenu, and then press “ Fine REC” options, and then press MENU button to enter FM Record interface and start recording;



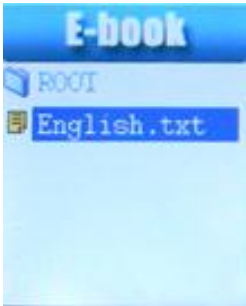

(Other operations are same as the section of “Record Voice”).

Note: **(You must attach the headphone / earpiece for FM radio to function)**

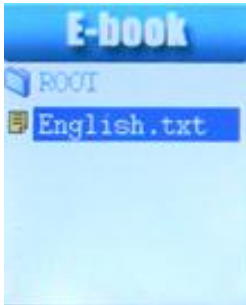
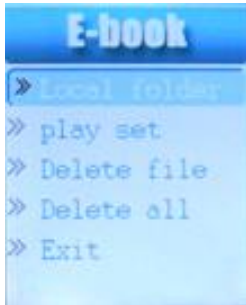
- s The player supports Normal Band (FM87 - 108MHz) and Japan Band (FM76-90MHz), suitable for different areas. For Australia, please choose the Normal band. (Press MENU button to enter FM submenu, and press : button to select desired frequency channel.)
- s To delete saved stations please refer to the file deletion section

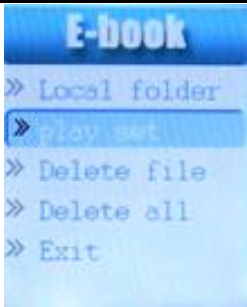
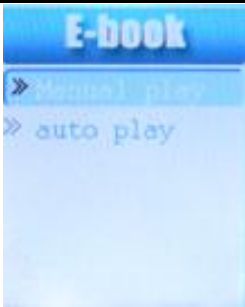

10. E-Book function

This function supports all TXT file.

1. Enter the main MENU. 	2. Press : button to choose “ E-Book” 
3. press MENU button to enter TXT file selection MENU (if no text files are present the display will read “ No files”) 	4. Press (button to select desired text file to read, and then press Play button to enter text interface 
5. Press (/ button to turn the pages in sequence. (only suitable for ”Manual play”)	

I Play set

1. At the text file selection MENU 	2. Press MENU button to enter submenu 
3. Press : button to choose “ play set” option:	4. Press MENU button to enter this option:


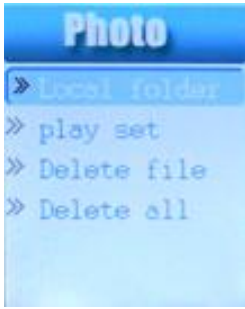
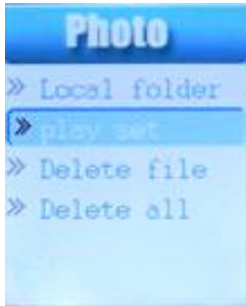
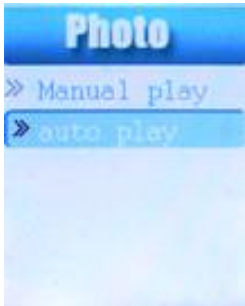
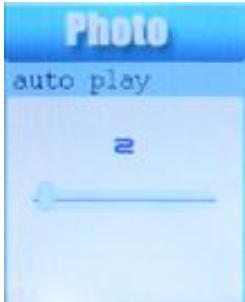
	
<p>5. Press : button to choose “ Manual play” or “ auto play” options, and then press MENU button to confirm.</p>	<p>6. When chose the “ auto play” options and then enter this interface as follows:</p>
<p>7. Press </> button to adjust “auto play” speed, press MENU button to confirm.</p>	
<p>Remark: When reading E-BOOK, press and hold MENU button to fast exit from picture interface and return to the main menu ; press PLAY button to exit from E-BOOK also.</p>	

11. JPEG Album

This function supporting all JPEG format picture in network.

<p>1. At the main MENU</p> 	<p>2. Press : button to choose “ Photo” option:</p> 
<p>3.press <i>MENU</i> button to enter picture selection (if no pictures are present, the display will read “ No files”)</p> 	<p>4. Press : button to choose desired picture, and then press <i>Play</i> button to view.</p> 
<p>5. Press : /9 button to browse picture in sequence.. (<i>only suitable for “ Manual play”</i>)</p>	

I Play set

<p>1. At the picture selection MENU:</p> 	<p>2. Press <i>MENU button</i> to enter picture submenu</p> 
<p>3. Press : button to select the “ play set ” option:</p> 	<p>4. Press <i>MENU button</i> to enter the interface as follows :</p> 
<p>5. Press : button to choose “ Manual play” or “ auto play” options, then press MENU button to confirm.</p>	<p>6. When choose “ Auto play” options and then press MENU this interface as follows:</p> 
<p>7. Press : / button to adjust “ auto play” speed , press MENU button to confirm.</p>	
<p>Remark : when viewing pictures, press and hold MENU button to exit from picture interface and return to the main menu ; press PLAYbutton to exit from picture interface also.</p>	

12. Game

There are a number of games preloaded in the Laser MVP2. We have supplied the instructions for one of the games that may be on the unit.

1.Mine

The object of Minesweeping is to locate all the mines as quickly as possible without uncovering any of them. If you uncover a mine, you lose the game.

Game view:



Button explain:

MENU button: enter game/uncover a square

: Button: right

⊖ Button: left

+: up

-: down

PLAY button: inset red flag (dig mine).

Remark: You can uncover a square by clicking it. If you uncover a mine, you lose the game. If a number appears on a square, it indicates how many mines are in the eight squares that surround the numbered one. To mark a square you suspect contains a mine, please press the PLAY button to inset red flag.

13. System Settings

System parameters can be set here and every option varies according to firmware upgrading

At the MENU, press : to select the “SETUP”:



Press **MENU** button to enter system settings :





I Parameters

Record time	Set the date and time when recorded files are saved
LCD set	Set the period of time (seconds) when Backlight stays on without any operation
Language	Set different language
Power off	Set a fixed time after which the player will turn power off automatically
Replay mode	Set working states on Replay mode
Online Mode	An option specially designed for “Private Space” function(Encryption)
Memory info.	Show memory capacity and percentage that has been used
Firmware Version	Show firmware version
Firmware Upgrading	Only used for firmware upgrading
Exit	Exit from current interface


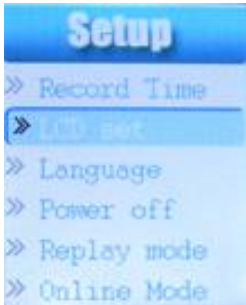


I Instruction

○ “Record time” set

1. System Setting Interface 	2. Press <i>MENU</i> to enter Record Time Interface. 
3. Press <i>PLAY</i> to set time in sequence of “YY-MM-DD”	4. Push : /9 button to adjust numbers
5. Press <i>MENU</i> to confirm and exit.	

○ “LCD set” setting

Operating steps is as follows:

1 . At System Setting interface, 	2. Press : key to select “ LCD set” option, 
3. Press <i>MENU</i> button to enter “ LCD set” submenu: 	4. Press : button to choose, and press <i>MENU</i> button to confirm and enter adjust interface as follows (e.g.: Black): 
5. Press : /9 button to adjust time (Unit : second) , and press <i>MENU</i> to confirm and exit.	

■ Black mode

Set fixed period of time (unit: second) , before the player will turn the screen off automatically. If “ 0” is selected, function is invalid.

○ “Language” setting

1. At System setting interface, press </> button to select “Language” icon:	2. Press <i>MENU</i> button to enter “Language” setting interface:
3. Press </> button to select desired language.	4. Press <i>MENU</i> to confirm to exit.

○ Power Off

Operating steps refer to Language setting.

Off Time mode refers that after a fixed period of time (unit: second) when no operation of keys at Stop mode, the player will turn off automatically to save power. If “0” is selected, power saving function is invalid.

Sleep Time mode lets you select a fixed period of time (unit: minute) for the player to turn off automatically when no keys are pressed no matter which mode the player is in. This function is specially designed for listening to music before sleep.

Note: Setting of Sleep Timer is valid only once and the set time will be cleared after power off.

○ Replay Mode

Operating steps refer to Equalizer Setting

Manual Replay means that at A-B Replay Mode the endpoint B can be set manually only.

Auto Replay means that at A-B Replay Mode the endpoint B can be set automatically. (Especially for English Reading files without music)

○ Online Mode

Operating steps refers to Equalizer setting.

Some operating systems (under Windows 2K SP4) can not support two driver letters in one USB disk. Thus, if “Private Space” function is on, choose which disk you are going to use, i.e., “single ordinary disk” or “single encrypted disk”, in order for correct display of selected disk after connecting to PC.

○ Memory Info.

The number displayed represents total memory capacity and the percentage refers the capacity used.

○ Firmware Version

Firmware Version information the player uses can be obtained here.

○ Firmware Upgrade

It is specially designed for Firmware Upgrade.

14. Use USB Disk

The player supports standard USB disk function under Windows®98 (driver needed), Windows®2000 and above (driver free), Mac OS 10.3 and above, Linux 2.4.2 and above.

The player supports power supply through USB. At waiting Mode, press **MENU** to exit to main MENU, then select to enter desired mode.

The player also supports Suspend Mode.

How to connect to PC? Power on the player and plug the USB cable to enter the following Mode 1.

The player may display the following mode after connecting to PC:

1. Waiting state :



2. Downloading state:



3.Uploading state:



○Creating new folders

The player can identify the 99 folders set up in the U-disk.

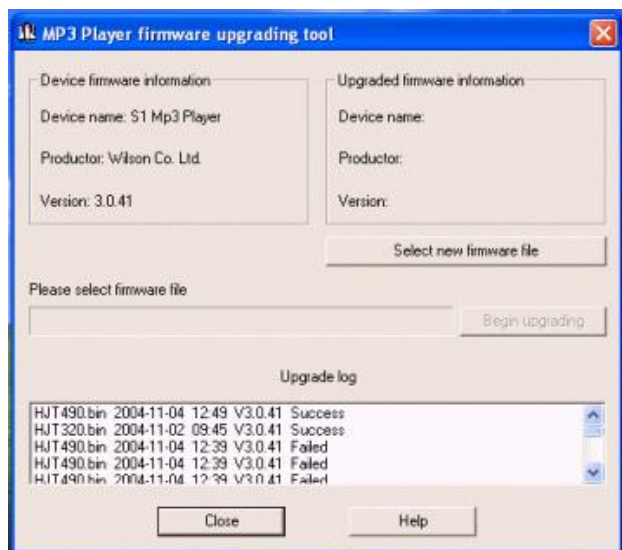
15. Firmware Upgrade

The player supports firmware upgrading or maintenance through installing special tools on PC.

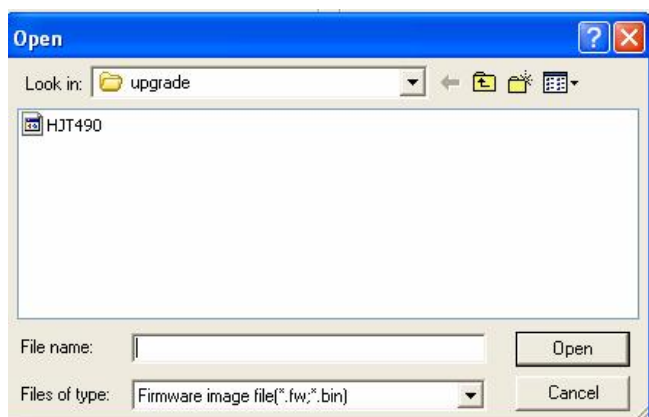
<p>1. Enter the main MENU.</p> 	<p>2. Press : button to select “ SETUP”</p> 
<p>3. Press MENU button to enter System Setting.</p> 	<p>4. Press : button to choose “ Firmware upgrade” option</p> 
<p>5. Press MENU button to enter “ firmware upgrade” interface</p> 	<p>6.Connect the player to PC</p>

7. Run the “MP3 Player Update” program in upgrading tools on PC, then click “Select new firmware file” button. the UI is as follows:

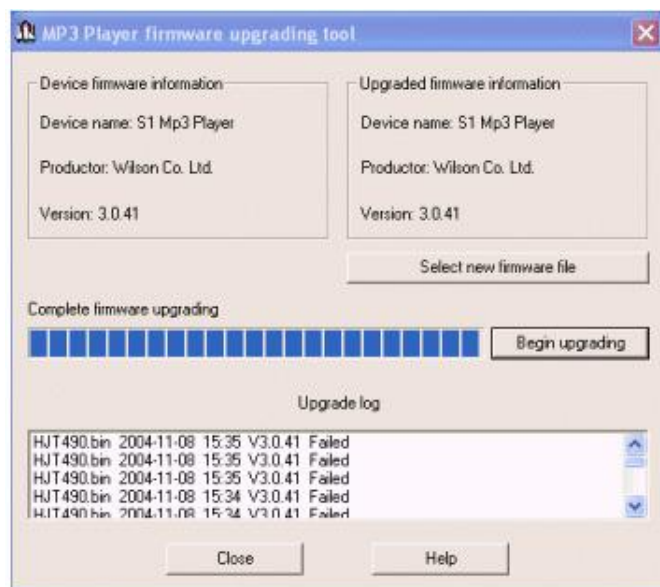
8.



9. Choose new firmware program (You may find it in accessory CD or download from our website.)



10. Click “Start” button, the system starts upgrading.



11. The Unit will display



12. If upgrade is successful, the player will reset.

F Notice:

Ÿ Firmware upgrade is an operation to promote and optimize the performance of the player. Even if the firmware works without upgrading, there is not any influence on the normal operation of the player.


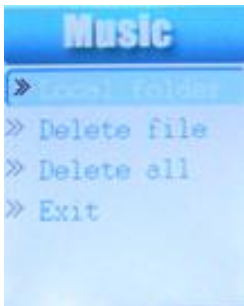
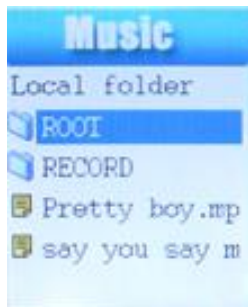

Ÿ Incorrect operation of firmware upgrading may cause the player to operate abnormally. Please read the manual carefully before operation. Firmware upgrading should only be performed by people with sound knowledge in computer hardware.

Ÿ The firmware is specially programmed for this player only.

16. Other settings


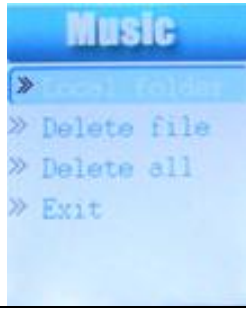
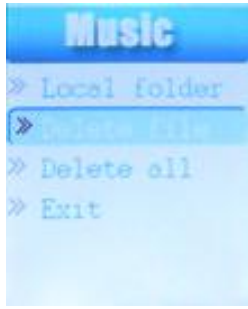

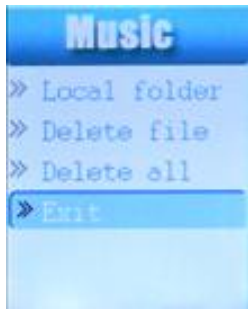

I Select Folders (At Stop Submenu)

Users can save files in different folders (folders should be created on PC in advance), to manage and play files according to different types. The player supports identification of 99 subdirectories.

1. At Stop interface. (Current example is at Music Mode, and folders can be selected at Record mode , Voice Mode, JPEG Album and E-book also.) 	2. Press MENU button to enter Stop Submenu. 
3. Press MENU button again to enter Select Folder interface. 	4. Press : / 9 buttons to choose folders. 
5. Press MENU button to confirm the folders selected.	
Note: Independent folders can be set at corresponding modes as Music Mode, Record Mode, Voice Mode, JPEG Album mode and E-book mode i.e., three modes are not bound to correspond with the same folder.	

I Delete File (At Stop Submenu)

Files and FM stations can be deleted at corresponding modes as Music Mode, Voice Mode and FM Mode.

<p>1. At the stop interface. (No stop interface exists at FM Mode)</p> 	<p>2. Press <i>MENU button</i> to enter stop submenu</p> 
<p>3. Press : buttons to choose “ Delete” option.</p> 	<p>4. Press <i>MENU button</i> to enter Delete file folder</p> 
<p>5. Press <i>MENU button</i> to enter Delete file folder submenu</p> 	<p>6. Press : button to choose “ Delete” or “ Delete all” , and Press <i>MENU button</i> to confirm and deletion starts.</p> 

Remark: “Delete All” means to delete all the relevant files at current mode in current folder. (For example, at Music Mode executing “Delete All”, all the music files in current files may be deleted, while recorded files will not change.)

The deleting interface is much simpler at FM Mode, only to the 3rd step. It is the saved stations to be deleted.








Note: When deleting files on PC, please take care to eject the player safely before pulling out USB cable, otherwise files may not be deleted.

I Play Mode (Play Submenu)

When playing music and recorded files, different play modes can be selected.


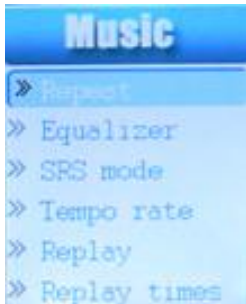

Enter play/stop submenu to enter

The first option in Play Submenu is Play Mode. The player will play files according to the mode selected.

-  Normal Play files in current folder in normal sequence and then play other files in next folders one by one
-  Repeat One Play a single music file repeatedly
-  Folder Play all music files in current folder in sequence and stop
-  RepeatFolder Play all music files in current folder repeatedly
-  Repeat All Play all music files repeatedly
-  Random Play music files in current folder randomly
-  Intro Play the first 10 seconds of each music file in sequence in the current folder

I Tempo Rate (Play Submenu)

When playing music (Only for MP3 formats) or recorded files, a different tempo rate can be set (faster or slower) without changing the tone.

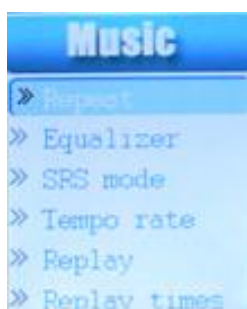
1. When playing music 	2. Press MENU button to enter Play Submenu is as follows: 
3. Press : button to choose Tempo Rate option 	4. Press MENU button to enter Tempo Rate interface is as follows: 
5. Press : button to quicken tempo rate and press 9 button to slow down tempo rate.	

I SRS Mode

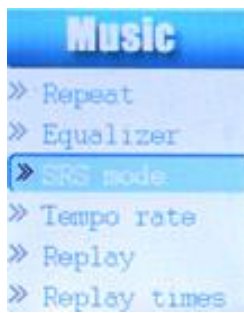
1. At Music Mode



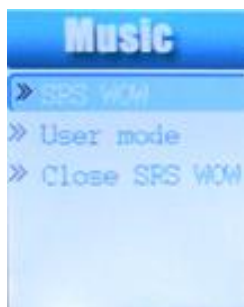
2. Press **MENU** to enter Play Submenu



-
3. Press : to select “SRS Mode”



4. Press **MENU** to enter SRS mode.



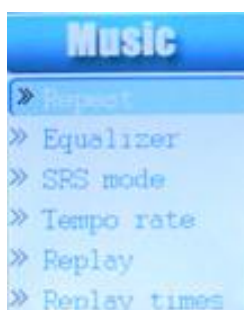
I Replay Mode

○ A-B Replay

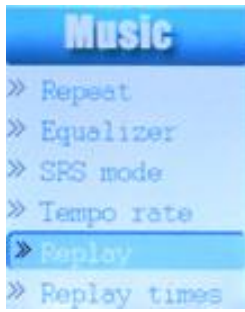
1. At Music Mode or Voice Mode



2. Press **MENU** to enter Play Submenu.



3. Press : to select “Replay”.



4. Press **MENU** to enter Replay.



: “A” flickers in Replay Mode icon  and start point is to be set.



5. Press : to set “A”.



After “A” set, “B” flickers in icon , and endpoint B needs to be set.

6. Press : to set “B”.




Replay icon  is fixed and A-B segment replay begins. When replay times count up to times set in advance, the player will quit from Replay Mode. At Replay Mode, pressing  can set “A” again to select another segment. (Setting of replay times refers to “Replay Times” in the : section.

○ Follow Read (This function does not exist in Voice Mode)


1. Replaying A-B segment, Press : to enter Follow Read Mode.


2. Replay icon  changes to Follow Read icon , and recording commences. The recording time is as long as A-B segment.

3. After recording time, the icon changes to , and original sound is played. Press : button to enter Comparison.

- At this mode, pressing \ominus button will return to A-B Replay Mode.

○ Comparison (This function does not exist in Voice Mode)

1. Enter this mode, Replay icon changes to  and original sound is played.

2. After playing the original sound, the icon changes to , and the recorded sound of users is played

3. After playing the original sound, the recorded sound is played again. The whole procedure will not stop (without limitation by Replay Times) until press **MENU** to exit.

- At this mode pressing \ominus will return to Follow Read Mode.

- At the three modes above, pressing **MENU** will exit from Replay Mode directly.

I Replay Times (Play Submenu)

Operating steps refer to Backlight setting.

Replay times mean that after A-B segment has been replayed up to fixed times, it will exit from Replay Mode.

I Replay Gap (Play Submenu)

Operating steps refer to Backlight setting. Replay gap means the break period between different playing times (unit: second).

I Privacy Recommendation



Private Space function

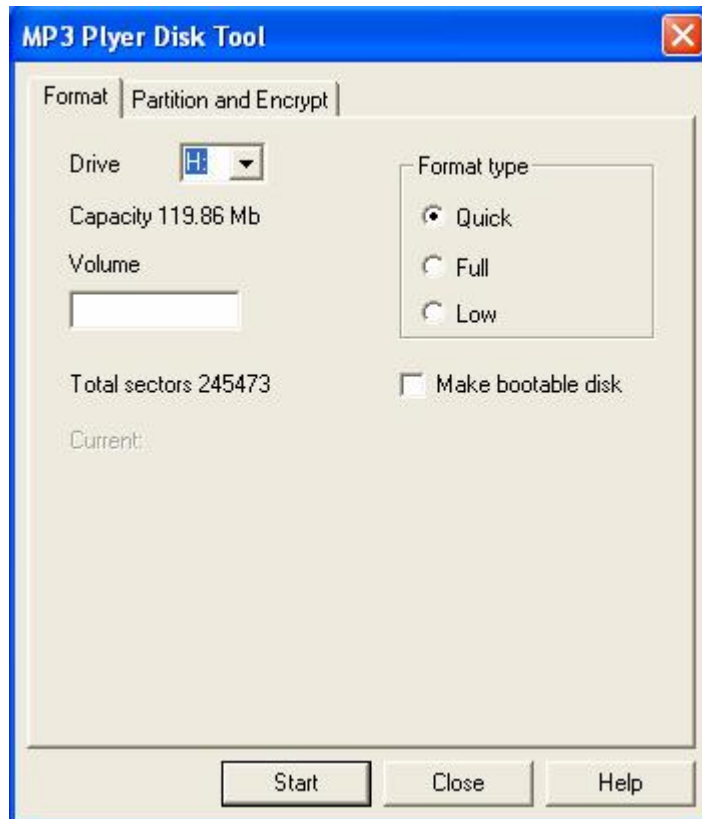
Many users are concerned by the possibility of information disclosure and private data accessed by others.

The “Private Space” function provided by this player completely solves the issue.

Users may divide the USB disk of this player into two disks (users may see two driver letters on Windows® XP, However Windows® 2000 users should install Service Pack 4, otherwise only one drive letter can be seen. (Users running Windows® 2000 without SP4 must choose “single ordinary disk” or “single encrypted disk” in “Online Mode” of “Sys Setting” MENU.), and one part can be encrypted as private space which needs password to access to. (If users do not encrypt both parts, USB memory may be treated as two disks.) Connect the player to PC.

17. Tool operation

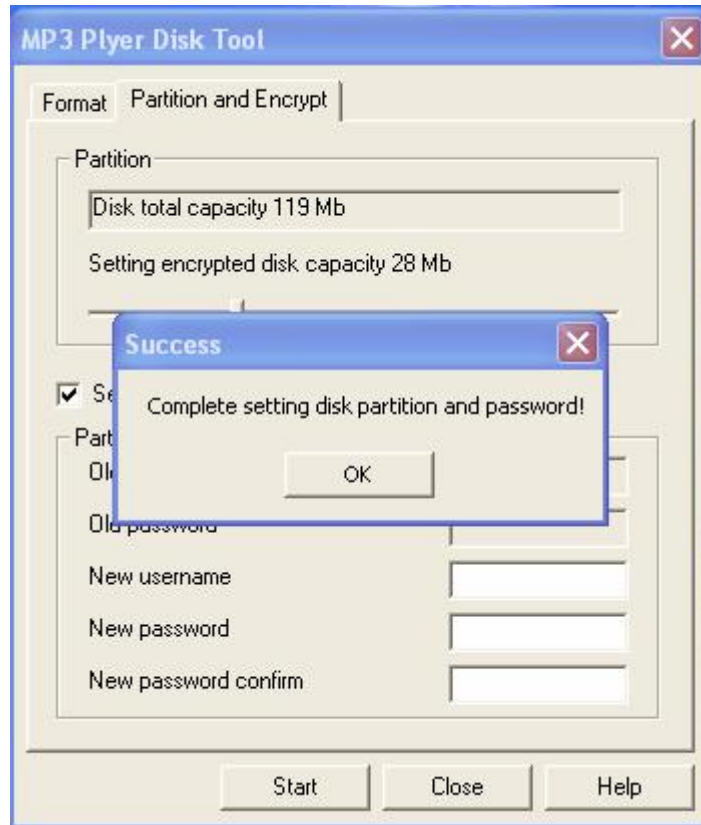
1. Run the accessory installation tools “MP3 Player Disk Tool”.



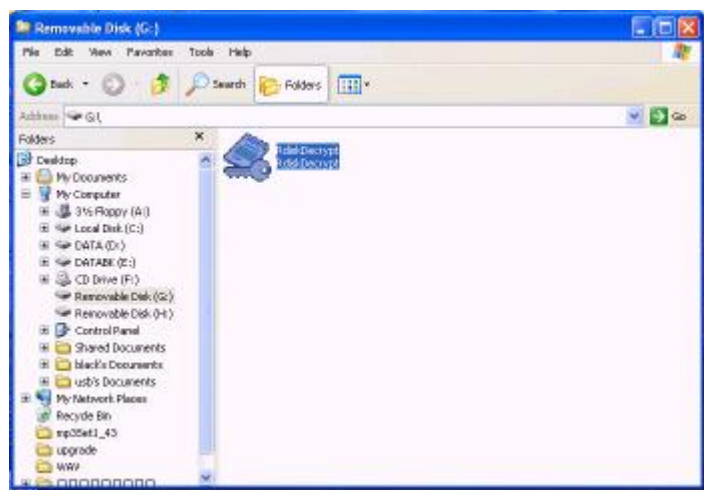
2. The first is format tool. Choose “Partition and encrypt” option, and set a desired capacity for the encrypted disk, then choose the setting of username or password. Fill the username in the blank “New username”, and password in the blank “New password”, then input the same password again in the blank “New password Confirm”. After the above operation, click “Start” button, and partition starts.



3. Partition finishes with dialogue as follows:



4. Press “OK”, then PC may restart.
5. Two disks may be displayed after restarting (only one driver letter may be displayed when under Windows 2K). Click to access the encrypted disk and there is a executable file



6. Run the executable file “RdiskDecrypt.exe”, and input username and password in dialog box. If they are correct, disk can be accessed and files can be copied.



7. Username and password is required to access to the encrypted disk in every connection to PC.

F Note: Dividing one disk into two parts may erase the data in it. Please backup the data in disk before division. And merging two parts to one may also erase the data.

F Warning: Do not lose the user name and password you've input, otherwise you can not access the encrypted disk and you have to merge the two parts to cancel the encrypted disk with all files being deleted.

AMV Convert Tool

1. Summarize

This tool used for transforming the media files to the AMV file format which can be played by MVP2.

Support is offered for the following file types:

- 1) The AVI format file "avi"
- 2) The Windows Media format file "asf, wmv"
- 3) The MPEG1 format file "mpg, mpeg"
- 4) The Real play format file "rm"
- 5) The Quick time format file "mov"
- 6) The MPEG2 format file "vob"

Usage: Windows98, Windows Me, Windows2000, Windows XP. Windows Media Player please upgrade to version 9.0 and above; For DirectX please use 9.0 and above edition.

2. Install software

The AMV Convert Tool installs convenience, operation is as follows:

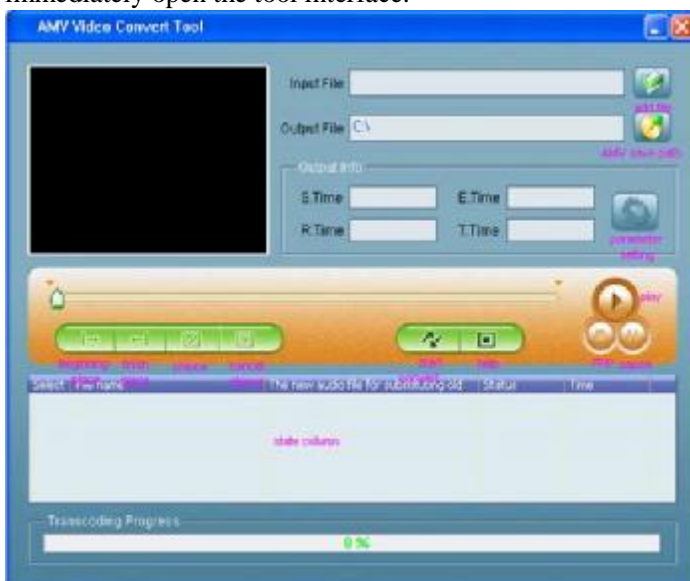
- 1) Start the PC, after entering the Windows system, put the installing CD of the tool into the CD-ROM , the system will execute the installation program automatically, click the "next" button, being to hint installing, click "close" button to complete the install.
- 2) If "auto Run" is not enabled:
 - A: Double click the Setup.exe file in the root directory of CD to start the installer.
 - B: Click the "next" button, to install, once complete, click the "close" button to complete the install.

After completing the install, open "MP3 Player Utilities" program group in **【start】—【program】** menu, among them the "AMV Convert Tool" is the converter tool, and the "AMV Player" is used for playing AMV files converted by the AMV Convert Tool.

3. Software

- 1) Brief introduction.

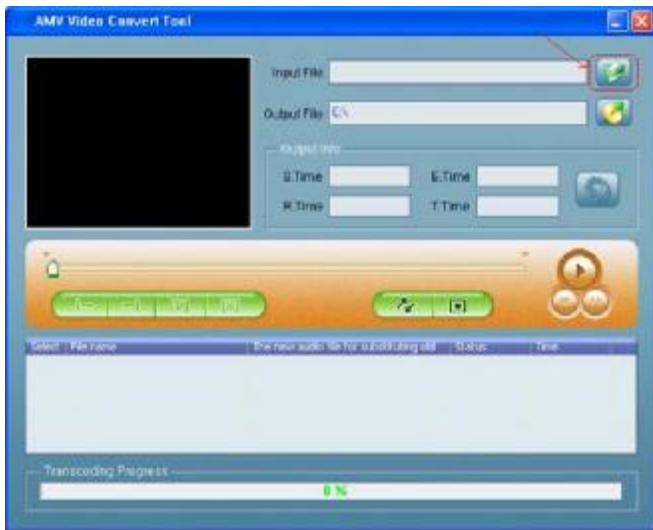
Click the **【start】** button — **【program】** menu, choose the "MP3 Player Utilities" — "AMV Convert Tool", can immediately open the tool interface:



While using this tool, if the button is valid, hold the mouse over button, after 2 seconds, it displays the name on that button.

- 2) Adding the media file

After running the software, click the  add file button to add the media file:

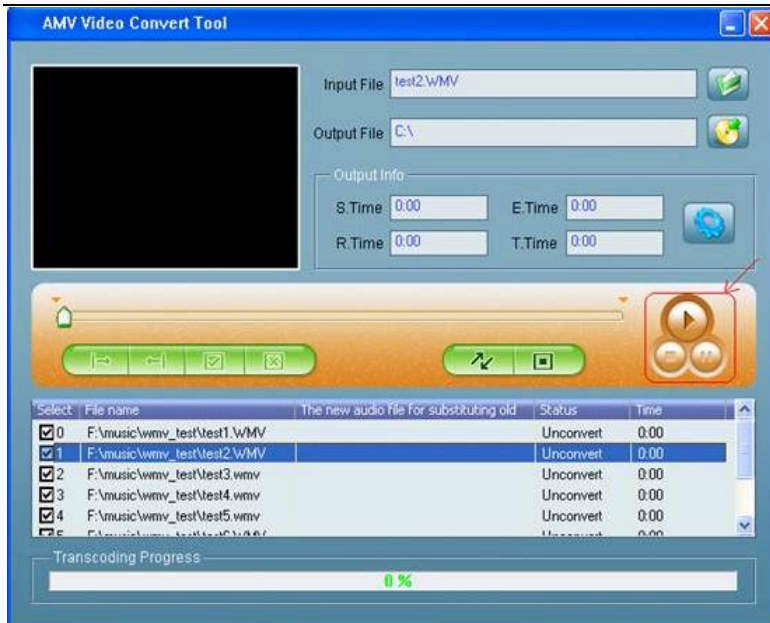


Click the path of the media file that need to be conversion, in this interface clicks the right small button of the " file type" ...to select the fit file type, after selecting one or more media file accurately, click the " open " button, the file path interface will display as following:

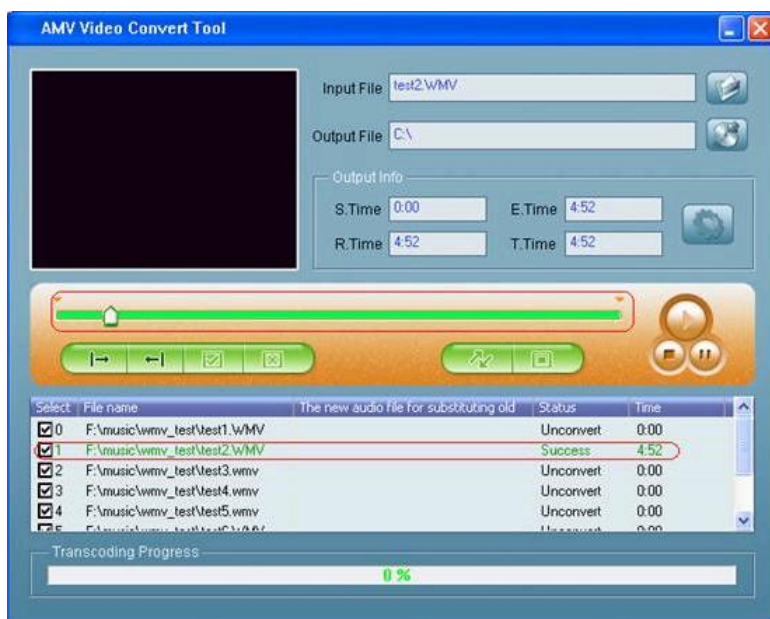


3) Play the media file

This convert tool can play the media file



After the file starts playing, the progress rate will be displayed.

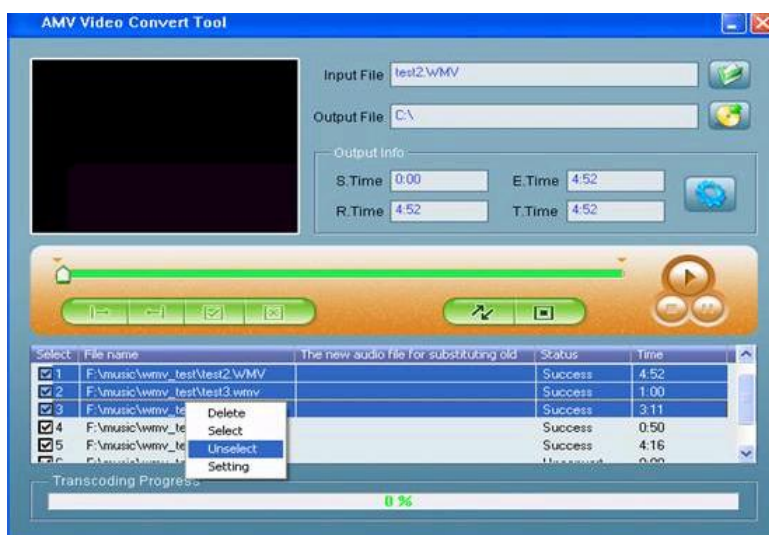
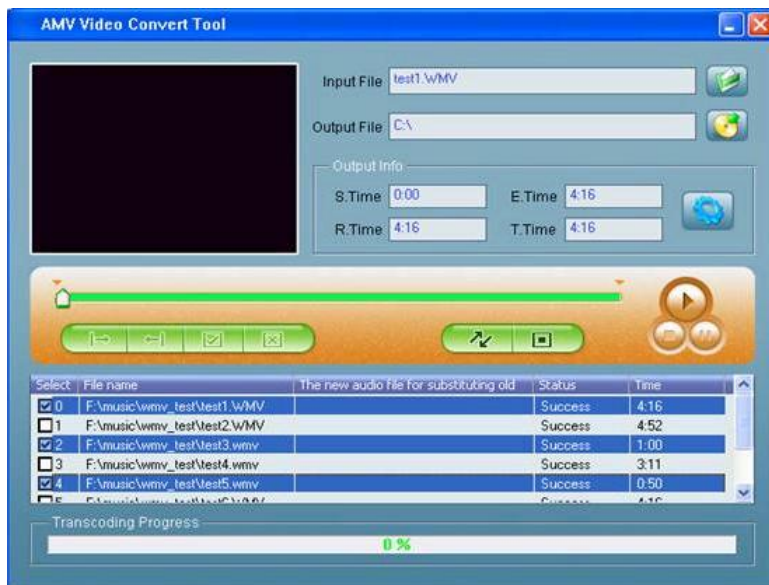


4. Convert the file

4.1 Choose the file that needs to be converted

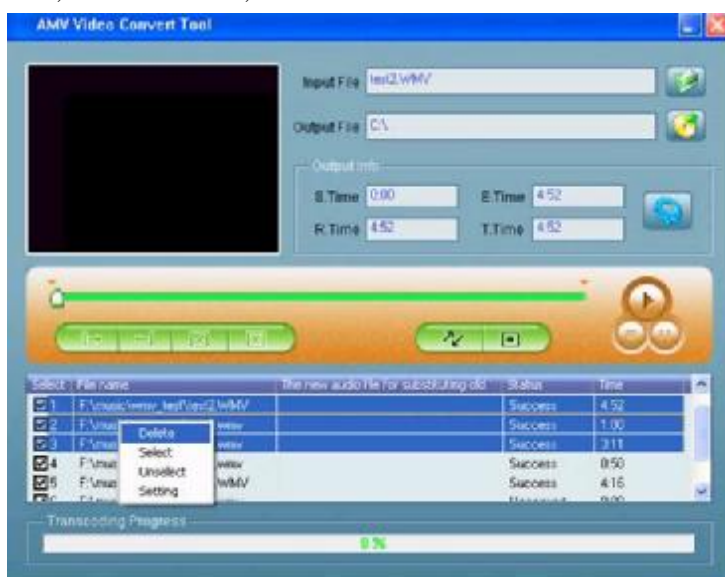
4.1.1 Pitch on and cancel of the media file

4.1.1.1 Clicking select box can select or cancel the media file directly, as follows:




4.1.2 Deletion of the media file

In the media files that already added, if you want to delete some media files, click one or more chose file's check box , choose "delete", the file will be deleted in the list.

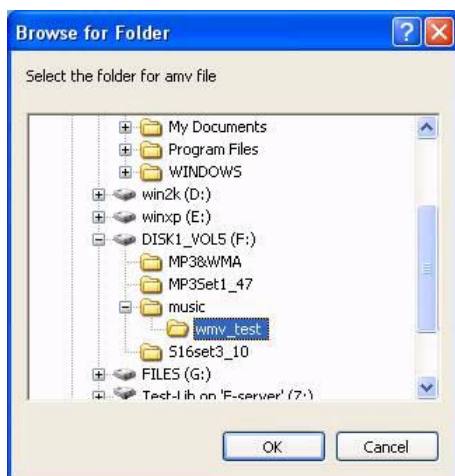


4.2 Specify the save path of the AMV file

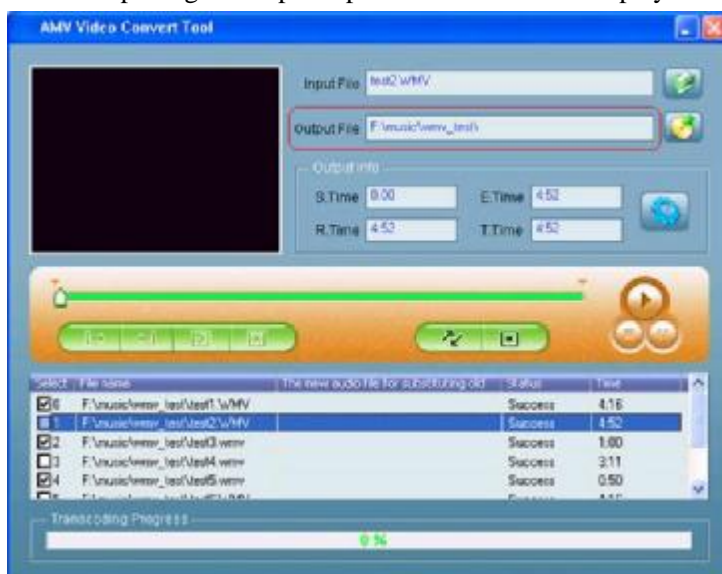
The default save path for this tool is C:\, before converting files, click "output file"  to specify the save position of AMV file, as follows:



After choosing the path, please click "ok" button, as follows:



After completing the step "output file" column will display the save path of the AMV file. As follows:



4.3 The parameter set

Convert tool has the function to set AMV file parameter, such as set intercept the video snippet, length and width of video, play frame etc. Entering the attribute interface has below two method:



- Choose one or more media files, then click " output information" column set button enters;
- Choose one or more media files, then click the right key of the file, choose " set" enters; concrete set will elaborate on in the below text. The below chart is that convert tool default parameters for AMV file, such as chart:



4.3.1 Intercept the primary video snippet

Intercepting the video snippet to take out from the media file a fragment for needing proceed the conversion, at this time should set the start position and the end position of the video fragment. Intercepting the video fragment has two kinds of set method; the concrete operation is as follows:

4.3.1.1 At the attribute interface proceeds to set

First pitch on " cut source video snippet " left select box, enable video start time point and end time point edit, input corresponding time, the interface is as follows the chart:



The above chart shows: Intercept the current media file from 1 min 10 sec to 3 min 20 sec fragment.

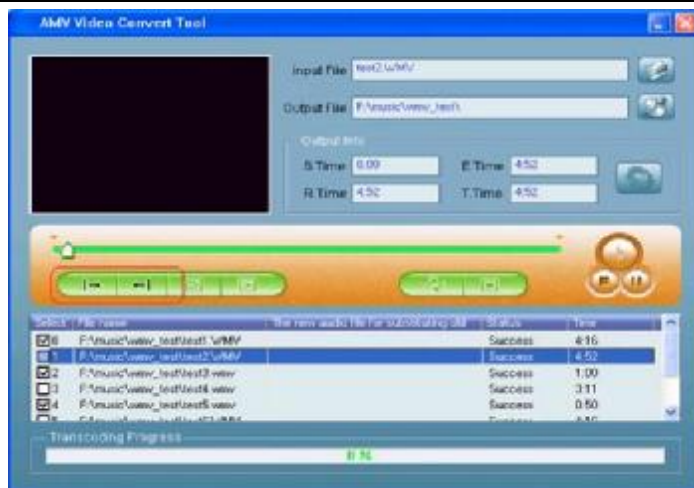
Elucidation: If don't choose "cut source video snippet." left select box, then the tool will transform the whole media file.

4.3.1.2. At play the media file interface proceeds to set

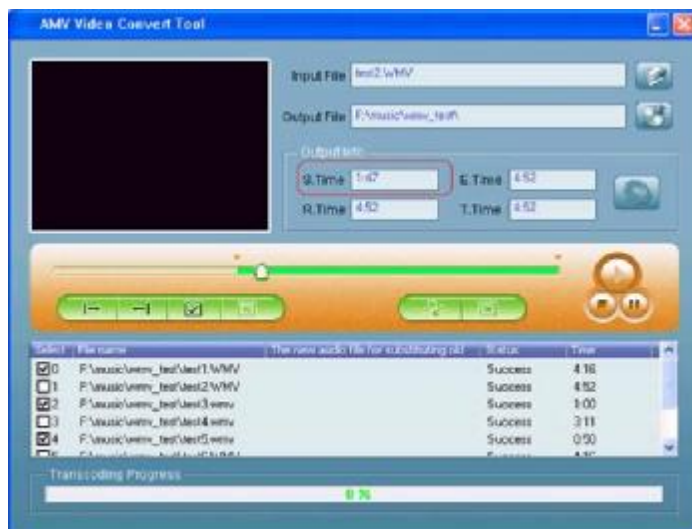
In course of play the media file, display the related information of

AMV file that will be converted in output information column of tool interface,

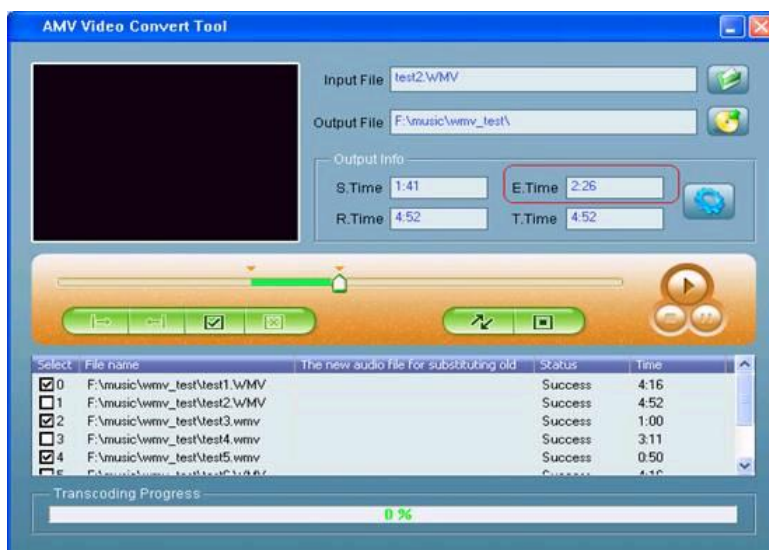
Such as: Start time, end time, circulate time, total time, the " start position" and "end position" two buttons of the this tool interface is valid at the same time, as follows chart:



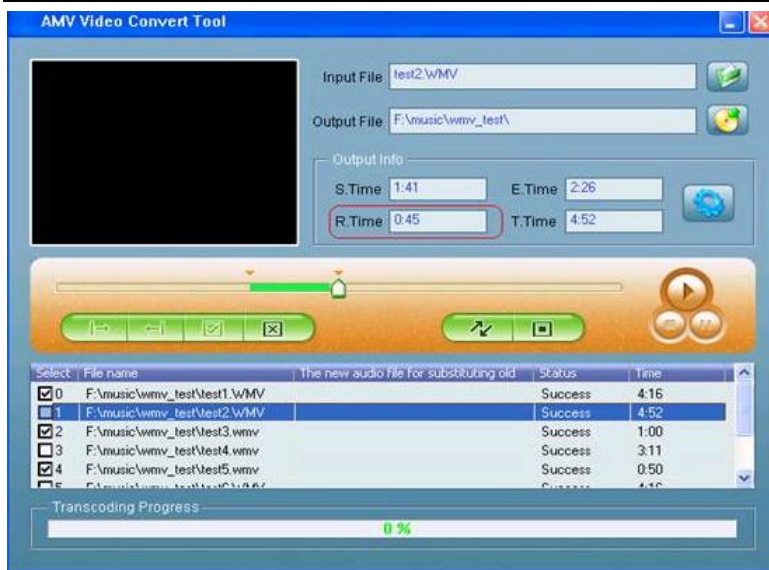
When click the "start position" button, at start time column will display start time point that current choice, as follows interface:



Equally, click "end position" button, at end time column will display end time point that current choice, as follows chart:



After two time points are selected, click "select" button in the tool interface, namely make sure the intercepted file time length, and display at circulated time column, when converting only to convert the intercepted snippet, as follows chart:



Is shown as chart above, intercept the current media file from 1 min 41 sec to 2 min 26 sec fragment, total 45 sec time.

If want to cancel the intercepted fragment, can pass to click "cancel" button to complete, at this time circulate time column becomes the file total time again, comeback before clicks "select" button interface manifestation, while converting will convert whole file.

Attention: 4.3.1.1. The method of intercepting video fragment is fit for one or more media file together set; 4.3.1.2 .The method of intercepting video fragment can only to complete while playing media file, and only valid for the playing file. (Namely the single a file intercept)

4.3.2 Choose video length and width of AMV file

AMV file's high & length are two mode:, 128*128, 160*120 pixels. Please correct choose the mode for cooperate your MVP2. (MVP2 choose 160*120 pixels.) As follows chart:



4.3.3 AMV file playing frame numbers each second

The AMV file playing frame numbers each second has high, middle, the low three kinds, the tool default is middle. As follows list:



4.3.4 Insert picture for none picture

The option's default is hook. for more wonderful effect, please use the default settings.

4.3.5. Replaces the old audio file with the new audio file

Replaces the old audio file with the new audio file is refers chooses the new audio file (WAV type file) to replace the current media file's audio partial, the video partial still continued to use the media file original video. You can click the "Substitute new audio for old audio" button to open a dialog box, as follows interface:



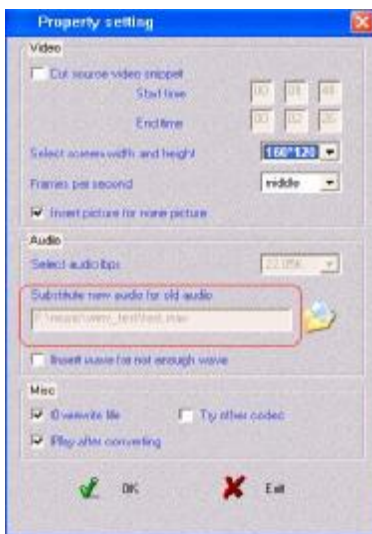
Like on the chart demonstrated that, clicks on the icon to choose the new audio file path, after selects the correct audio file, clicks "OPEN" the button, as follows chart :



Correctly select the new audio file, "Substitute new audio for old audio" dialog box will display the new path, this time please click the "OK" button, as follows chart:



After increases the new audio file, property setting surface demonstration is following chart:



4.3.6 Insert wave for not enough wave

The option's default is not hook, for get more wonderful effect, please use the default settings.

4.3.7 Miscellaneous setting:

4.3.7.1 The "overwrite file" is replacing the currently position already exists file by new convert AMV file. This option's default is hook. The tool maybe abnormality if you do not choice the item.

4.3.7.2 The "play after converting" means AMV Player begin playing AMV files automatically when converting mission was over. This option's default is hook.

4.3.7.3 "try other codec" is tool can attempt to convert the file which no correct codec supported.

We suggested that you'd better to use the default settings.

4.4. Convert file

4.4.1 Convert

After completes the system settings, please inspect one more time the file which will convert by tool has hits

the hook, clicks directly



button and tool will begin convert be selected file, as follows chart:



Please take the time to explore the AMV convert tool-there are many extra features not documented within this guide. Such as advanced editing and soundtrack substitution etc

4.4.2 Play

After convert completes, the AMV Player will play AMV file automatically. If the AMV file will played by AMV Player correctly, that means converting is success. As follows chart:



4.4.3 Complete convert

5. Attention

If you want to convert the Real play, Quick time, MPEG2 format files, please first install the corresponding decoder. When you convert Real play, Quick time, When MPEG2 (DVD) format files, if your Windows Media player cannot play this file, then you need to install corresponding compatible decoder for Windows Media player, until the Media Player will normally play this file, otherwise the tool is unable to work.

This operating manual arranges in order the picture only to supply the reference

Trouble Shooting

No Power	- Check whether the player is turned ON.
No sound is heard from headphone.	- Check whether Volume is set "0" and connect the headphone plugs firmly. - Check whether the headphone plug is dirty. - Corrupted MP3 may make a static noise and the sound may cut off. Make sure that the music files are not corrupted.
Characters in LCM are corrupted	- Check whether the right language has been selected.
FM Reception is poor.	- Adjust the position of the headphone and player. - Turn off the power of other electric devices near the player. - The headphone may be used as the antenna.
Download of music files fails.	- Check whether USB cable is damaged and is connected properly. - Check whether driver is installed correctly. - Check whether the player's memory is full.

Specification

Dimension	80*40*12mm	
Weight	49.5g	
LCM Window	1.8" LCD screen	
PC connection	USB2.0	
Flash memory	128M—4GB	
Battery	Max Play time:5 hours	
Record	Sample rate	8KHz
	Recording format	WAV (32K bps) . ACT (8K bps)
	Recording time	35 hours (ACT, 128M Flash)
MP3. WMA. WMV. ASF	Max output of headphone	(L) 10mW+ (R) 10mW (32Ohm)
	MP3 bit rate	8K bps – 320K bps
	WMA. WMV. ASF bit rate	5K bps – 384K bps
	Frequency response	20Hz to 20KHz
	SNR	85dB
FM radio	Distortion	<0.05%
	Receiving frequency range	76MHz – 90MHz / 87MHz – 108MHz
	Stations saved	20
	Max output of headphone	(L) 10mW+ (R) 10mW (32Ohm)
	SNR	45dB
Music format	MP1. MP2. MP3. WMA. WMV. ASF. WAV	
Working temperature	-5 to 40 ℃	
multi- language show	Simple Chinese , Trad Chinese , Japanese , Korean , English , French , Italian, German , Spanish , Swedish , Portugal , Denmark , Dutch, Polish, Russian, Czech ,Tai, Turkish	
Operating System	Windows98/SE/ME/2K/XP. Mac OS 10. Linux 2.4.2	

Note: Product design and specification may change without notice.

<http://www.laserco.net>