

CNR-MPV4A
Digital Multimedia Player
User Manual

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Thank you for purchasing CANYON CNR-MPV4A. We sincerely wish you to enjoy the state of art digital multimedia player. To fully utilize the functions and features of CNR-MPV4A, please read through the user manual before you get started.

Introduction

Safety Precautions

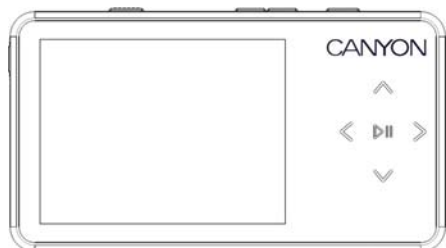
Please observe all safety precautions before using the device. Please follow all procedures outlined in this manual to properly operate the device.

- Do NOT attempt to disassemble or alter any part of the device that is not described in this guide.
- Do NOT place the device in contact with water or any other liquids. The device is NOT designed to be liquid proof of any sort.
- In the event of liquid entry into device interior, immediately disconnect the device from the computer. Continuing use of the device may result in fire or electrical shock. Please consult your product distributor or the closest support center.
- To avoid risk of electrical shock, do not connect or disconnect the device with wet hands.
- Do NOT place the device near a heat source or directly expose it to flame.
- Never place the device in vicinity of equipments generating strong electromagnetic fields. Exposure to strong magnetic fields may cause malfunctions or data corruption and loss.

Package Contents

Product Image

Item Name



Main Unit



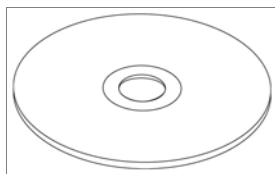
60cm USB Cable



Earphones

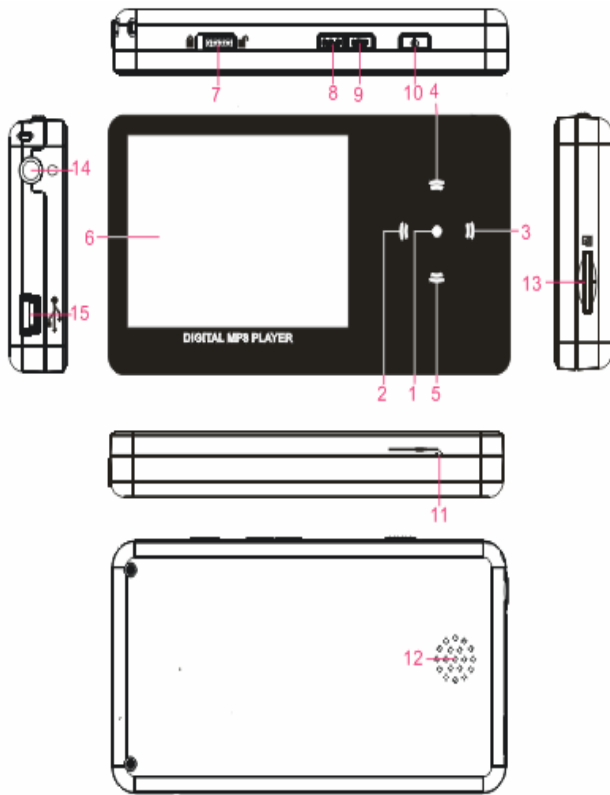


User Manual



Software and Driver CD

Hardware Overview



1. Play/Pause/Confirm
2. Backward/Previous
3. Forward/Next
4. Upward/Volume Up
5. Downward/Volume Down
6. LCD Display
7. LOCK Button
8. Record/A-B Repeat
9. MENU Button
10. Power ON/OFF
11. RESET/Microphone
12. Speaker
13. Micro SD/T-Flash Card Slot
14. Earphone Jack
15. USB Port

Charging Device Battery

CNR-MPV4A uses a Li-Polymer battery as a main power source. Please follow instructions below to charge the battery.





1. Connect the host PC USB port and the device with the USB cable provided.
2. The power bar will be moving back and forth when charging. It will be filled up when the device is fully charged.
3. It takes approximately 3 hours to fully charge the device., enough to playback audio files for approximately 18 hours straight and to playback video files for 10 hour straight
4. To stop recharging, disconnect the USB cable.

Note:

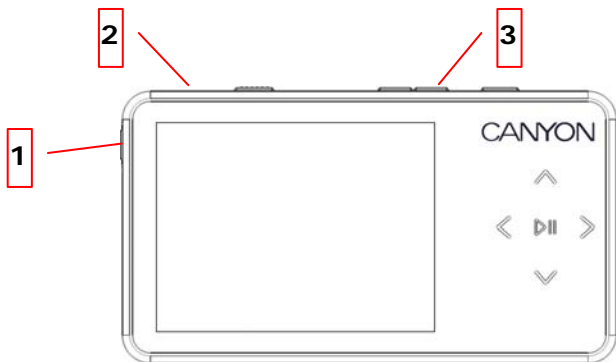
- Please fully charge the device before using it for the first time.
- The host computer must be powered on while connected to the device for charging.
- Do not overcharge the device for it may shorten life of the battery.

Getting Started


Button Definition

Button Image	Button Functions
	Press and hold to turn power on/off
	Press to play/pause/confirm
	Press to move left/right Press and hold to rewind/fast forward in playback mode
	Press to move up/down at main menu Press to increase/lower the volume during playback mode
R/A-B	Press to repeat from point A to point B Press and hold to start recording
MENU	Press to enter submenu Press and hold to return to main menu
HOLD	Switch between button lock/unlock positions
RESET	Reset system to default settings

Basic Operations





To Turn on the Device:

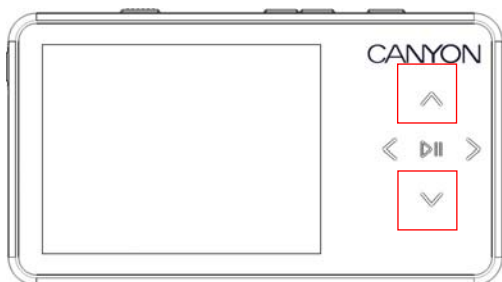
1. Connect earphone to earphone jack.
2. Move **HOLD** button from lock to unlock position.
3. Press and hold  button to turn on the device.

Note:

Reset the device by pressing **RESET** button when device fails to start up or function properly.

To adjust Volume:

- Press   to turn up/down volume under **Music, FM, Voice, and Video** modes.



Connectivity

Besides working as a portable digital multimedia player, Canyon CNR-MPV4A also works as a removable USB storage device (MSC mode), or MTP device (MTP mode with DRM function). Please follow instructions below on how to store/extract data from the device.



To switch between MSC and MTP modes:

- Connect the device to host computer with USB cable provided.
- After the device finished loading process, press and hold **▶||** button to switch between MSC and MTP modes.

Note:

The mode switch can also be done while the device is disconnected from host computer. Please refer to **Settings** section for more information.

MSC mode - Removable USB storage device:

1. Connect the host PC USB port and the device USB port with the USB cable provided.
2. A new system drive will be displayed under "My Computer" momentarily.
3. The drive works as any other USB storage device. Files and folders can be created/edited in the drive.
4. To remove the device from host computer, simply right click on the safe removal icon from system notification area and select "Safely remove hardware" option.
5. Highlight the device and click on "Stop" button. The device can be safely unplugged after system notification.

Note:

- Before removing the USB device, make sure to end all applications running on the device. Do **NOT** remove the USB device at this moment. Violation may cause data loss or even damages to the device
- If you do not follow the safe removal procedures on Windows ME, Windows 2000 and Windows XP operating systems, data loss and/or damage to the device may occur due to "write cache" issue.

Note:

Windows 98 SE does not support default mass storage driver. Please follow the instructions below to install the driver.

- Turn on the computer.
- Connect device to the USB port of the computer using USB cable provided in the package.
- Place the driver CD enclosed in the package into the CD ROM drive of the computer.
- Windows 98 SE will automatically detect the newly connected device and a dialog box "Add New Hardware" will pop up. Please follow the step-by-step instructions to properly install the driver.

MTP mode – MTP device with DRM Function

Canyon CNR-MPV4A is capable of DRM (Digital rights management) function. The device receives music file update from Window Media Player 10 or above. Please follow the instructions below to synchronize the device with DRM songs.

- Switch device to MTP mode.
- Connect the device to host PC with USB cable provided.
- Start up Window Media Player. Window Media Player will automatically detect the presence of the device.
- Rename the device to display it in Window Media Player.
- Simply follow the step by step instructions given by Window Media Player.

Note:

All songs previously existing in the device will be deleted permanently upon synchronization.

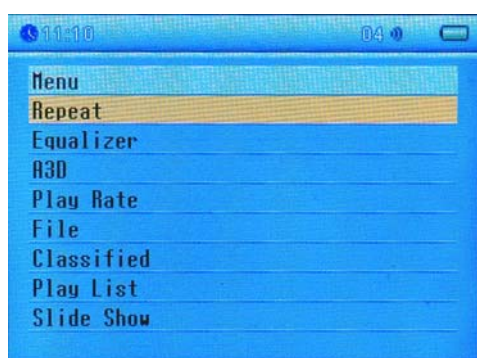
Music Mode

Basic Operations



1. At main menu screen, use directional button to navigate to **Music** icon. Press **▶||** to enter.
2. Press **< >** to select music file desired. Press **▶||** to start playback.
3. Press **^ v** to adjust volume level.
4. Press and hold **MENU** to return to main menu.

Music Mode Submenu



1. At **Music** mode, press **MENU** to enter submenu.
2. Press **^ v** to cycle through between 8 different options. Press **▶||** to enter. Press **MENU** to return to **Music** mode.

Repeat



1. Press \wedge \vee to cycle through 7 different repeat patterns. Press **▶||** to enter. Press **MENU** to return to music submenu.
2. The first 4 patterns refer to all songs and the second 3 patterns refer to songs in the folder only.

Equalizer



1. Press \wedge \vee to cycle through 7 different equalizers. Press **▶||** to enter. Press **MENU** to return to music submenu.
2. To customize an equalizers, select **Custom EQ** and press **▶||**.
3. Press \lt \gt to switch between pitches and \wedge \vee to adjust. Press **▶||** to confirm or **MENU** to cancel.

A3D



1. Press \lt \gt to switch 3D surround sound mode **ON/OFF**. Press **▶||** to confirm or **MENU** to cancel.

Play Rate



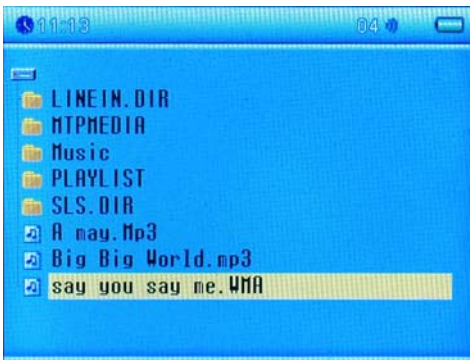
1. Press \wedge \vee to select music playback speed. Press **▶||** to confirm or **MENU** to cancel.

Note:

This function does not support *.wma files.

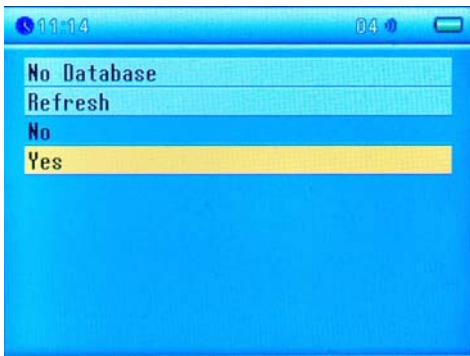
- 2.

File



1. Press \wedge \vee to select music file. Press **▶||** to play/enter or **MENU** to exit. To edit a music file, highlight a file and press **R/A-B**. **Add to List** adds the file to **My List** and **Delete** erases the file from the device. Press **▶||** to confirm or **MENU** to cancel.

Classified

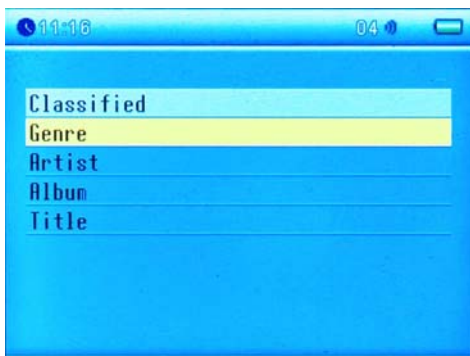


1. This option sorts all files with their attributes (**Genre, Artist, Album, Title**). Select **Yes** and press **▶||** to confirm or **No** to cancel.
2. After sorting is completed, the device displays all nested files with their attributes. Press \wedge \vee to select, **▶||** to confirm, and **MENU** to return.

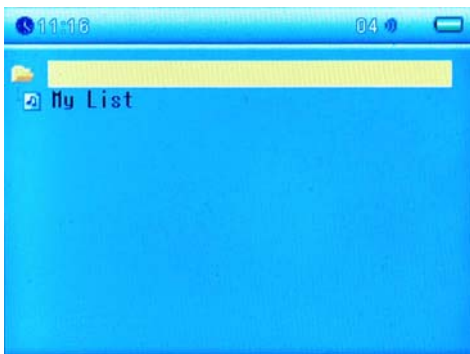
Note:

Classifying process may require a longer time period to complete. Press \wedge to cancel process.

Refer to **Music Classification Tool** section for editing music files. It is an application that assists user to maintain music database.



Play List



1. Press \wedge \vee to select list, highlight desired file and press **▶||** to start playback or **MENU** to return.
2. Press **R/A-B** to removal functions. Select **Del List** to delete current list and **Delete** to delete specific music file. Press **▶||** to confirm and to **MENU** cancel.
3. Both removal functions require further confirmation. Press \wedge \vee to select, **▶||** to confirm, and **MENU** to return.

Note:

Refer to Windows Media Player's help manual for more information on how to create a play list.

Play lists must be stored at **PLAYLIST** folder. The device will not recognize any play list located outside of the folder.

Slide Show



1. Press \wedge \vee to select required idle time. Slide show will start after the user defined idle time. Press \blacktriangleright to confirm or **MENU** to cancel.

Note:

Refer to **Slide Show Maker** section for creating slide shows.

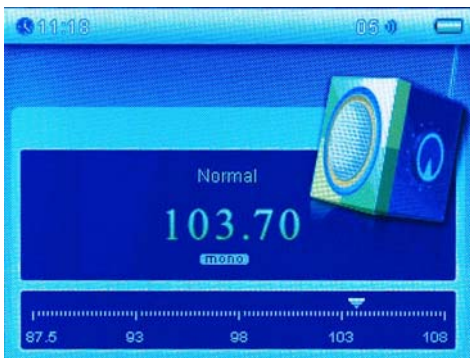
Slide show files must be stored at **SLS.DIR** folder. The device will not recognize any slide show files located outside of the folder.

FM Mode

Basic Operations



1. At main menu screen, use directional button to navigate to **FM** icon. Press \blacktriangleright to enter.
2. Press \blacktriangleright to switch between manual mode and preset mode.
3. Press \wedge \vee to adjust volume level.
4. Press and hold **R/A-B** to start recording current FM transmission. Press **MENU** to stop recording and save recorded FM file.



5. Under manual mode, press \leftarrow \rightarrow for FM frequency tuning between 87.5 MHz and 108.0 MHz (at intervals of 0.1 MHz)



6. Under preset mode, press \leftarrow \rightarrow to cycle through preset FM stations (Maximum of 30 stations).

FM Mode Submenu



- At **FM** mode, press **MENU** to enter submenu. There are 2 different submenus for each mode.
- Under manual mode submenu, press \wedge \vee to select, **▶||** to confirm and **MENU** to cancel.
 1. Highlight **Save Preset** and press **▶||** to save the current FM station into preset station queue.
 2. Highlight **Auto Scan** and press **▶||** to scan through FM stations and save them as preset stations.
- Under preset mode submenu, press \wedge \vee to select, **▶||** to confirm and **MENU** to cancel.
 1. Highlight **Delete** and press **▶||** to delete the current preset FM station.
 2. Highlight **Auto Scan** and press **▶||** to scan through FM stations and save them as preset stations.

Voice Mode Basic Operations



1. At main menu screen, use directional button to navigate to **Voice** icon. Press **▶||** to enter.
2. Press $<$ $>$ to select recorded file desired. Press **▶||** to start playback.
3. Press \wedge \vee to adjust volume level.
4. Press and hold **R/A-B** to start recording sound from microphone. Press **MENU** to stop recording and save recorded FM file.
5. Press and hold **MENU** to return to main menu.

Voice Mode Submenu



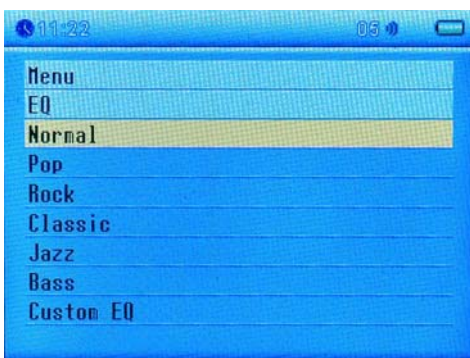
Repeat

1. At **Voice** mode, press **MENU** to enter submenu.
2. Press \wedge \vee to cycle through between 5 different options. Press **▶||** to enter. Press **MENU** to return to **Voice** mode.



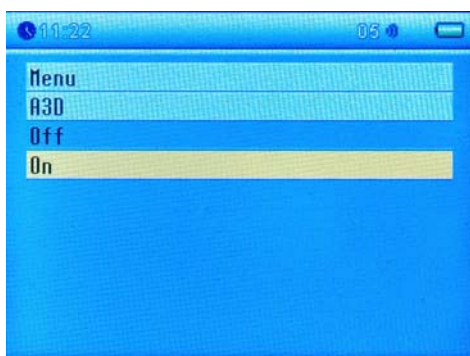
1. Press \wedge \vee to cycle through 7 different repeat patterns. Press **▶||** to enter. Press **MENU** to return to music submenu.
2. The first 4 patterns refer to all songs and the second 3 patterns refer to songs in the folder only.

Equalizer



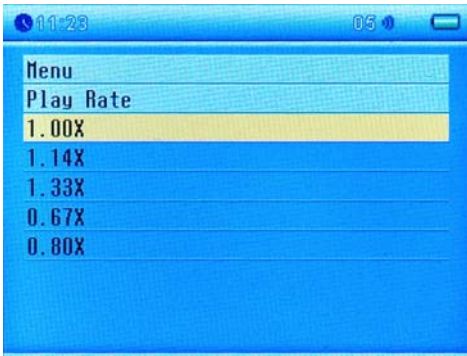
1. Press \wedge \vee to cycle through 7 different equalizers. Press **▶||** to enter. Press **MENU** to return to music submenu.
2. To customize an equalizers, select **Custom EQ** and press **▶||**.
3. Press \lt \gt to switch between pitches and \wedge \vee to adjust. Press **▶||** to confirm or **MENU** to cancel.

A3D



1. Press \lt \gt to switch 3D surround sound mode **ON/OFF**. Press **▶||** to confirm or **MENU** to cancel.

Play Rate



File



1. Press \wedge \vee to select music playback speed. Press $\blacktriangleright\blacktriangleleft$ to confirm or **MENU** to cancel.

1. Press \wedge \vee to select voice file. Press $\blacktriangleright\blacktriangleleft$ to play/enter or **MENU** to exit. To delete a file, highlight a file and press **R/A-B**. Select **Yes** Press $\blacktriangleright\blacktriangleleft$ to confirm or **MENU** to cancel.

Photo Mode

Basic Operations



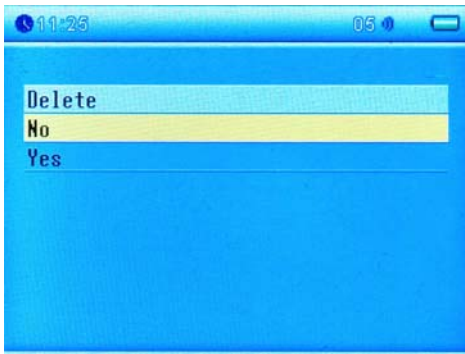
1. At main menu screen, use directional button to navigate to **Photo** icon. Press $\blacktriangleright\blacktriangleleft$ to enter.
2. Press directional buttons to select photo file desired. Press $\blacktriangleright\blacktriangleleft$ to view.

Note:

The device supports *.jpg and *.bmp files only. All other file format will not be displayed on purpose.



3. Press \leftarrow \rightarrow to cycle through photo files.
4. Press $\blacktriangleright\blacktriangleleft$ again to browse all photo files at interval of 3 seconds. Press any button to resume. Press **MENU** to return to **Photo** mode.



5. Press **R/A-B** to delete current photo file. Highlight **Yes** and press **▶||** to confirm or press **MENU** to cancel.
6. Press and hold **MENU** to return to main menu.

Video Mode Basic Operations



1. At main menu screen, use directional button to navigate to **Video** icon. Press **▶||** to enter.

Note:

The device supports *.mtv file format only. All other file format will not be displayed on purpose.



2. Press **^** **v** to select desired video file. Press **▶||** to start playback.
3. Press **R/A-B** to erase a video file. Highlight **Yes** and press **▶||** to confirm or **MENU** to cancel.
4. Press and hold **MENU** to return to main menu.



5. During playback, press **▶||** to pause/resume, **<** **>** to skip to previous/next file.
6. Press and hold **<** **>** to rewind/fast forward.
7. Press **^** **v** to adjust volume level.

Video Mode Submenu



1. At **Video** mode, press **MENU** to enter submenu.
2. Press **^** **v** to select options. Press **▶||** to confirm.

Repeat



1. Press \wedge \vee to cycle through 7 different repeat patterns. Press \blacktriangleright to enter. Press **MENU** to return to music submenu.
2. The first 4 patterns refer to all songs and the second 3 patterns refer to songs in the folder only.

Video OSD Color



1. Press \wedge \vee to select OSD color. Press \blacktriangleright to confirm.

EBook Mode

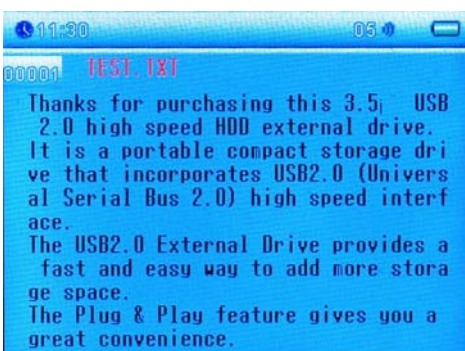
Basic Operations



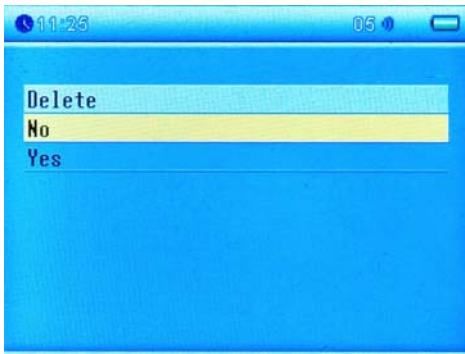
1. At main menu screen, use directional button to navigate to **EBook** icon. Press \blacktriangleright to enter.
2. Press \wedge \vee to select desired text file. Press \blacktriangleright to start browsing.

Note:

The device supports *.txt file format only. All other file formats will not be displayed on purpose.



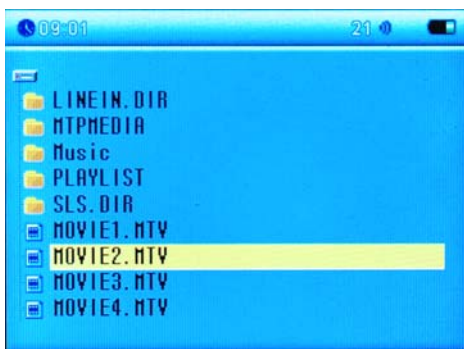
3. Press \wedge \vee to scroll up/down between pages.
4. Press **MENU** to return to **EBook** menu.



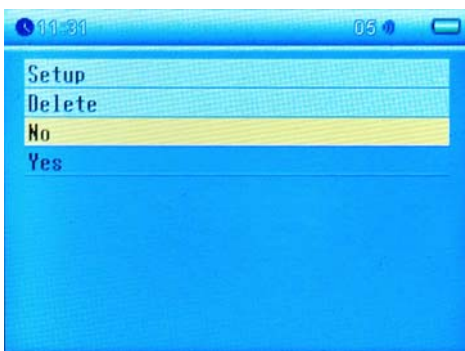
5. Highlight a text file and press **R/A-B** to delete it. Press \wedge \vee to highlight **Yes** and press **▶||** to confirm. Press **MENU** to cancel.
6. Press and hold **MENU** to return to main menu.

File Mode

Basic Operations



1. At main menu screen, use directional button to navigate to **File** icon. Press **▶||** to enter.
2. Press \wedge \vee to select and view desired text file.



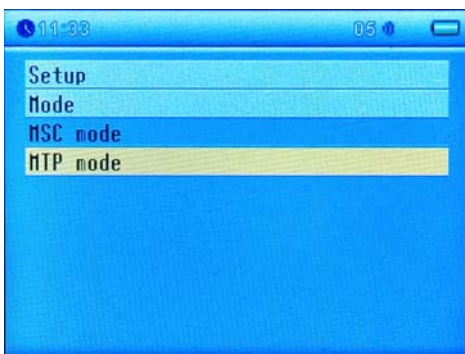
3. Press **▶||** or **R/A-B** to delete current file. Highlight **Yes** and press to confirm. Press **MENU** to cancel.
4. Press and hold **MENU** to return to main menu.

Setup Mode

Basic Operations



USB Mode



Time



1. At main menu screen, use directional button to navigate to **Setup** icon. Press **▶||** to enter.
2. Press **^** **v** to cycle through between 9 different options. Press **▶||** to enter. Press **MENU** to return to main menu.

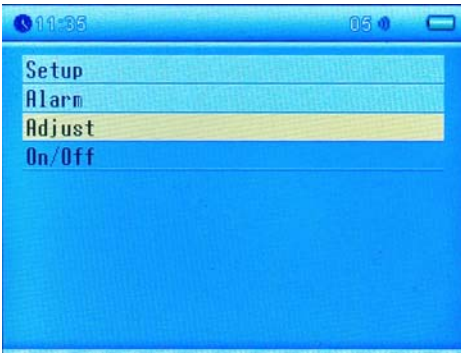
1. Press **^** **v** to select between **MSC** mode and **MTP** mode. Press **▶||** to confirm or **MENU** to cancel.

Note:

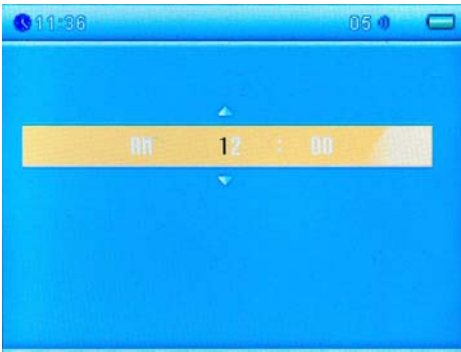
Please refer to **Connectivity** section for detailed instructions on **MSC** mode and **MTP** mode operations

1. Press **^** **v** to select between **Adjust**, **Alarm**, and **Time Zone** options. Press **▶||** to confirm or **MENU** to cancel.

1. Press **<** **>** to switch between AM/PM, hour, minute, year, month, and day. Press **^** **v** to adjust the values and press **▶||** to confirm.



- Press \wedge \vee to select between **Adjust** and **On/Off**. Press \blacktriangleright to confirm selection



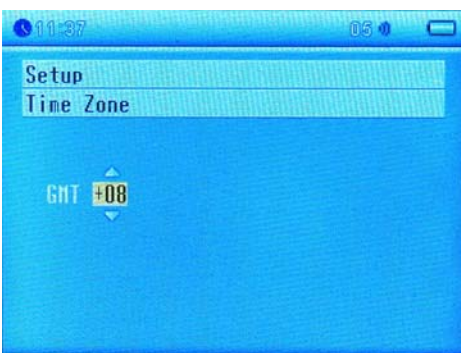
1. At **Adjust** option screen, press $<$ $>$ to select AM/PM, hour, and minute. Press \wedge \vee to adjust the values and press \blacktriangleright to confirm.



2. At **On/Off** option screen, press \wedge \vee to select **On/Off** and press \blacktriangleright to confirm.

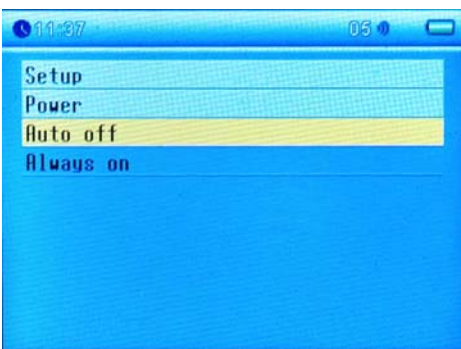
Note:

The alarm time durations is 5 seconds when power is on and 60 seconds when power is off respectively.



1. At **Time Zone** option screen, press \wedge \vee to select GMT zone number and press \blacktriangleright to confirm.

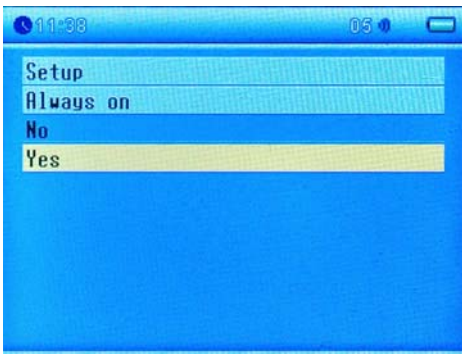
Power



1. Press \wedge \vee to switch between **Auto off** and **Always on**. Press \blacktriangleright to confirm or **MENU** to cancel.

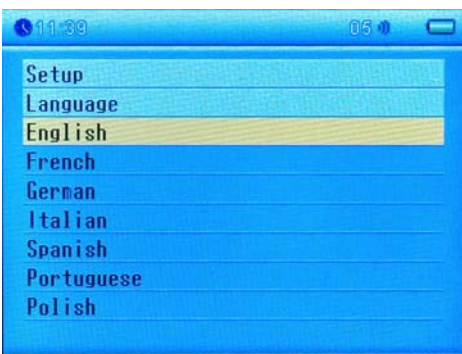


- At **Auto off** option screen, press \wedge \vee to select idle time duration. Press **▶||** to confirm.



- At **Always on** option screen, select **Yes** and press **▶||** to prevent device from auto shut off. Press **MENU** to cancel.

Language

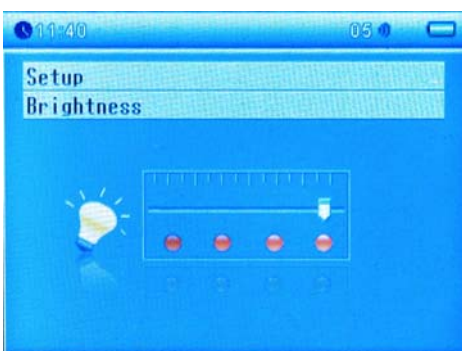


- Press \wedge \vee to select a language for screen display. Press **▶||** to confirm.

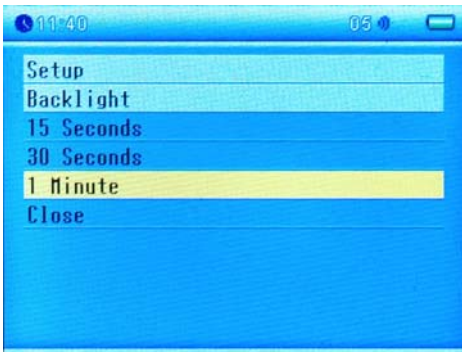
Display



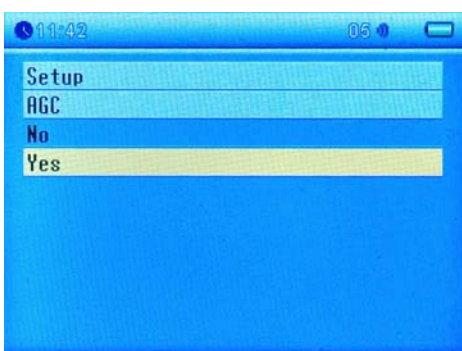
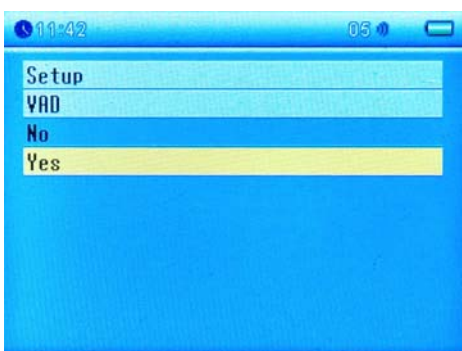
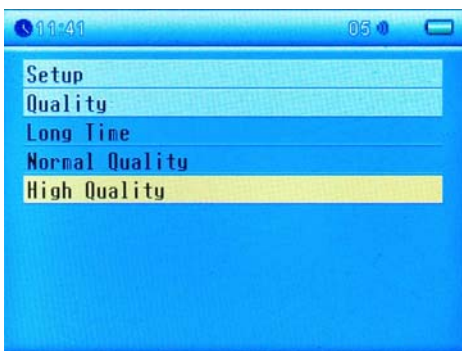
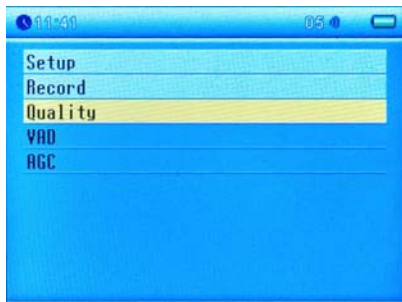
- Press \wedge \vee to switch between **Brightness** and **Backlight** options.



- Press \lt \gt to select background brightness. Press **▶||** to confirm or **MENU** to cancel.



Record



3. Press \wedge \vee to select time duration for backlight to dim. Press **▶|** to confirm or **MENU** to cancel.

1. Press \wedge \vee to select **Quality**, **VAD**, and **AGC** options. Press **▶|** to confirm or **MENU** to cancel.

1. Press \wedge \vee to select **Long Time**, **Normal Quality**, and **High Quality**. Press **▶|** to confirm or **MENU** to cancel.

Note:

Due to limited memory size, higher quality recordings will take up more device memory space than lower quality recordings.

1. Press \wedge \vee to select **Yes** and press **▶|** to confirm or **MENU** to cancel.

Note:

VAD (Voice Activation Detection) function allows device to detect voice and automatically start recording.

1. Press \wedge \vee to select **Yes** and press **▶|** to confirm or **MENU** to cancel.

Note:

AGC (Automatic Gain Control) function allows device to control volume of noise input and enhance recording quality.

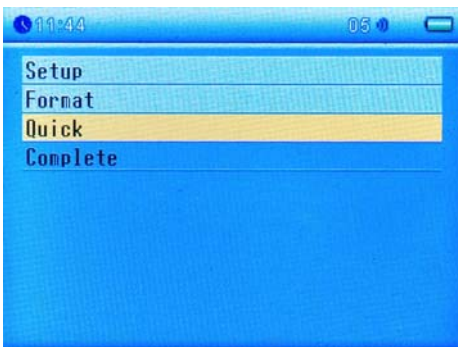
Sys Tools



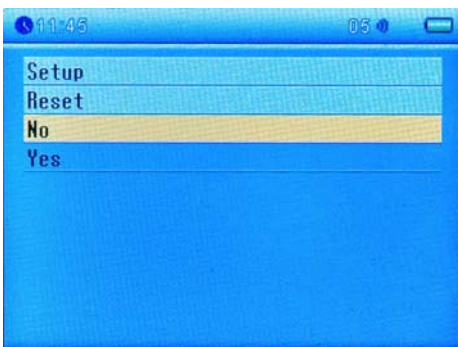
1. Press \wedge \vee to select options and press \blacktriangleright to confirm or **MENU** to cancel.



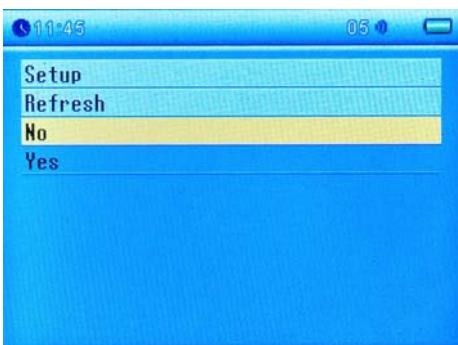
- **Delete** function erases a file. Press \wedge \vee to select **Yes** and press \blacktriangleright to confirm or **MENU** to cancel.



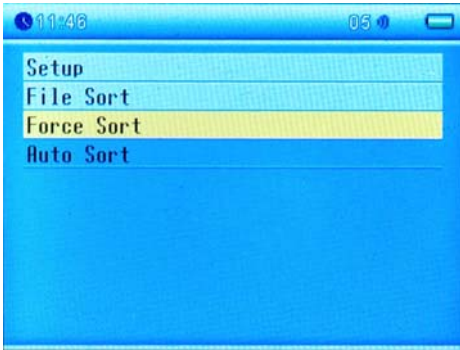
- **Format** function erases all folders and files. Press \wedge \vee to select **Yes** and press \blacktriangleright to confirm or **MENU** to cancel.



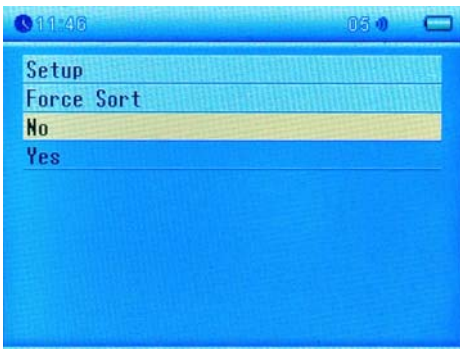
- **Reset** function restores device to default settings. Press \wedge \vee to select **Yes** and press \blacktriangleright to confirm or **MENU** to cancel.



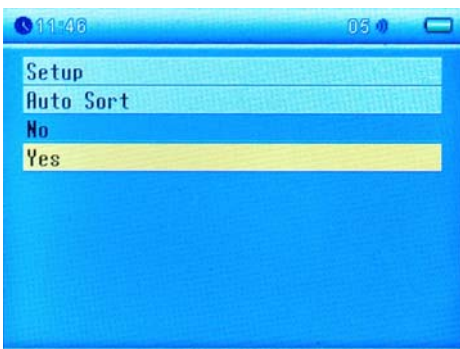
- **Refresh** function, similar to classify function sorts all files according to their attributes. Press \wedge \vee to select **Yes** and press \blacktriangleright to confirm or **MENU** to cancel.



- **File sort** function defines device sorting method. Press \wedge \vee to select between **Force Sort** and **Auto Sort** and press \blacktriangleright to confirm or **MENU** to cancel.

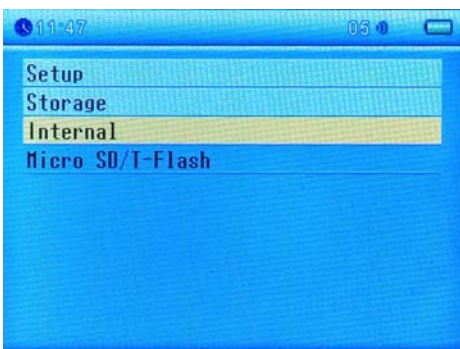


1. **Force Sort** executes sorting only when selected. Press \wedge \vee to select **Yes** and press \blacktriangleright to confirm or **MENU** to cancel.



2. **Auto Sort** executes sorting each time there's a file modification. Press \wedge \vee to select **Yes** and press \blacktriangleright to confirm or **MENU** to cancel.

Storage



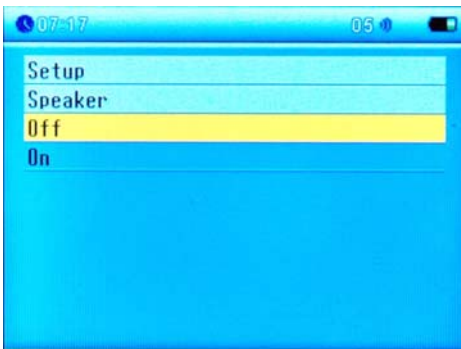
1. Press \wedge \vee to switch between **Internal** and **Micro SD/T-Flash** storage and press \blacktriangleright to confirm or **MENU** to cancel.



Note:

To prevent from system malfunction or data loss, the device will not switch storage to **Micro SD/T-Flash** mode when the card is not present.

Speaker

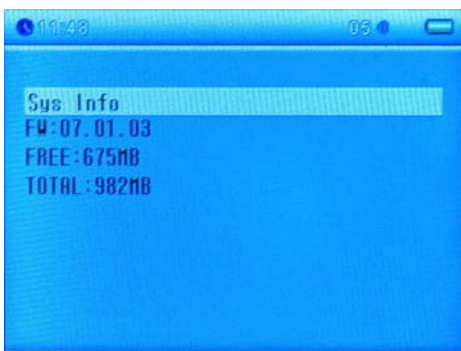


1. Press \wedge \vee to switch **On/Off** and press \blacktriangleright to confirm or **MENU** to cancel.

Note:

- ✧ The speaker is switched **Off** by default upon powering on.
- ✧ The speaker can be switched **ON/Off** by short press **MENU** when playing music/ FM/ Video.

Sys Info Mode



1. At main menu screen, use directional button to navigate to **Sys Info** icon. Press \blacktriangleright to enter.
2. System Information including Firmware version, Free memory capacity, and Total memory capacity are displayed at the page.

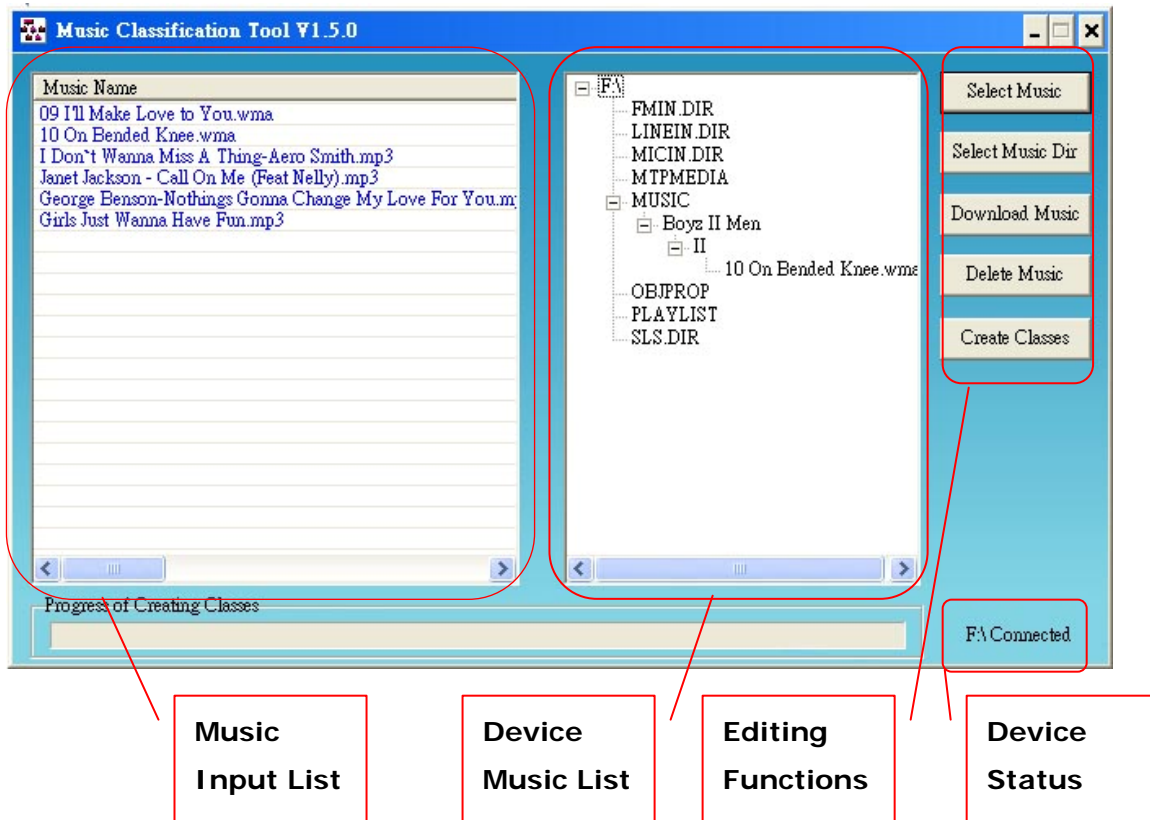
Utility Applications

Music Classification Tool

Music classification Tool is an application that assists user to organize music files in the device. It provides an easier means to sort, transfer and edit files. Refer to below document for more detailed instructions.

Note:

- The device must be connected to the host PC while the application is running. Please connect the device before executing the functions in the application.
- The application and device supports *.wma and *.mp3 file formats only. The application will not take in other files with different formats.



- **Editing Music Input List**

1. Click on **"Select Music"**. A window will pop up prompting for music file. Select the desired file and click **"OK"** to place it on **Music Input List**.
2. Click on **"Select Music Dir"** to select a batch of music files in a folder. A dialog box will pop up prompting for music files. Designate the path and folder to be added. Click **"OK"** to place files on **Music Input List**.
3. The application also supports **drag and drop** functions. Drag and drop the desired file(s) into **Music Input List**.
4. To delete a file in the list, highlight the desired file, right click and click on **"delete"** to remove it from **Music Input List**.

- **Downloading Music to Device**

Click on **"Download Music"** to copy all files on **Music Input List** to the device. The files will be sorted in accordance of artist, album, and song name in the music folder.

- **Deleting Music in Device**

Highlight the file in the **Device Music List** and click on **Delete Music** to remove music files in the device.

- **Synchronization**

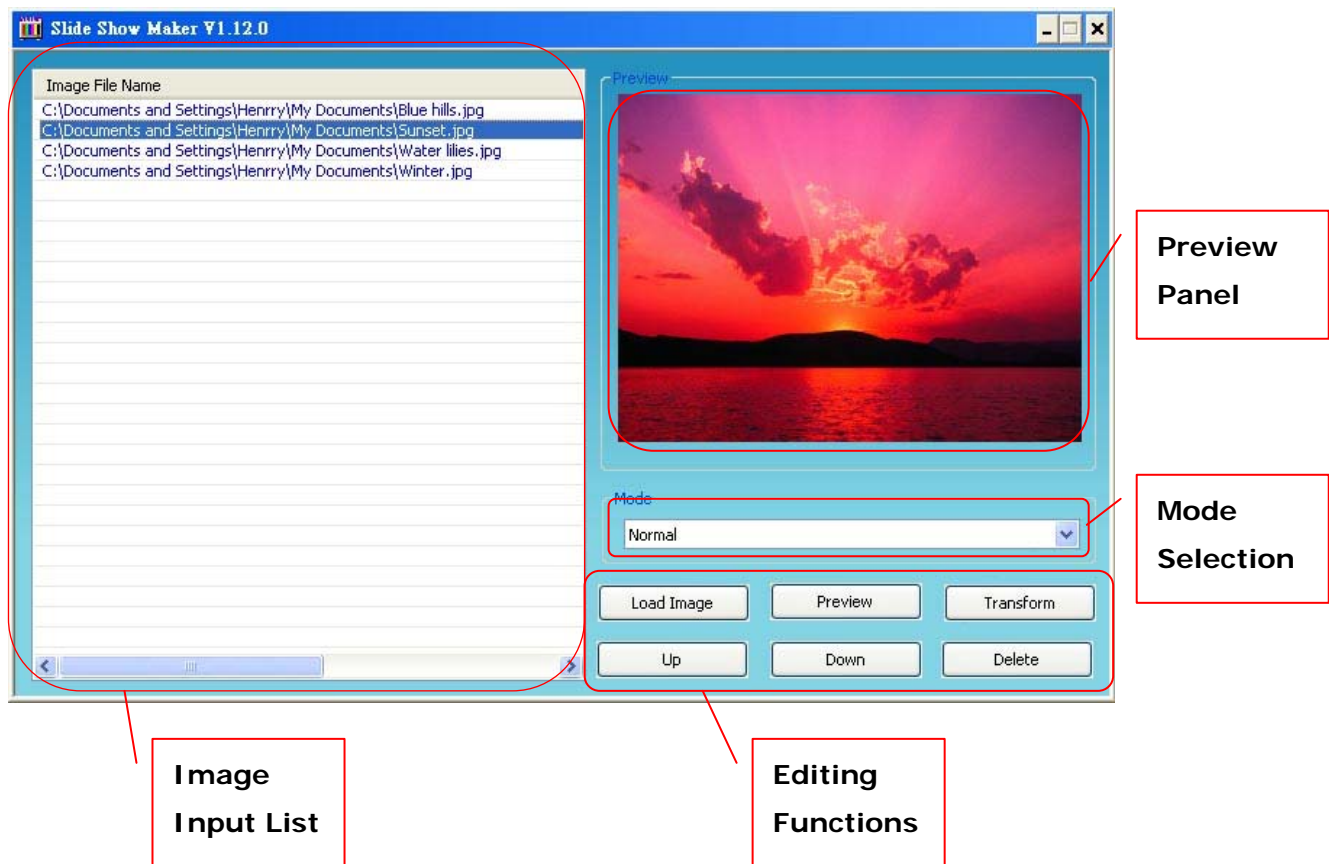
1. After each action, the application will automatically refresh itself to reflect the changes on the interface.
2. To manually refresh the interface, click on **Create Classes** to update editing.

Slide Show Maker

Slide show maker AP is an application that assists user to make a slide show file for viewing while playing music in the device. It combines many images files into one single slide show file. The effect of the slide show is similar with the screen saver mode on Windows platform. The slide show will be automatically displayed when the device is left idle for a period of time defined by user.

Note:

- The device must be connected to the host PC while the application is running. Please connect the device before executing the functions in the application.
- The application and device supports *.jpg, *.gif, and *.bmp file formats only. The application will not take in other files with different formats.



- **Loading Images**
 1. Click on **Load Image** icon to select desired image files. A window will pop up prompting for files to be added on **Image Input List**. Select the files and click **OK** to confirm.
 2. Highlight a file in **Image Input List** to display the actual image at the **Preview Panel**. Repeat step 1 until all files are loaded in the list.
- **Selecting Display Mode**

Click on **Mode Selection** drop down box to select the appropriate presentation mode. 4 modes (Normal, Left to right shutter, Top to down shutter, Circle) are available for user preference.
- **Organizing Image Input List**

1. Click on **Preview** button to run image slide show at the **Preview Panel**.
2. Highlight a file in **Image Input List** and click on **Up/Down** button to change its displaying order. Click on **Delete** to remove unwanted image files from the list.

- **Converting Image Input List into a Slide Show File**

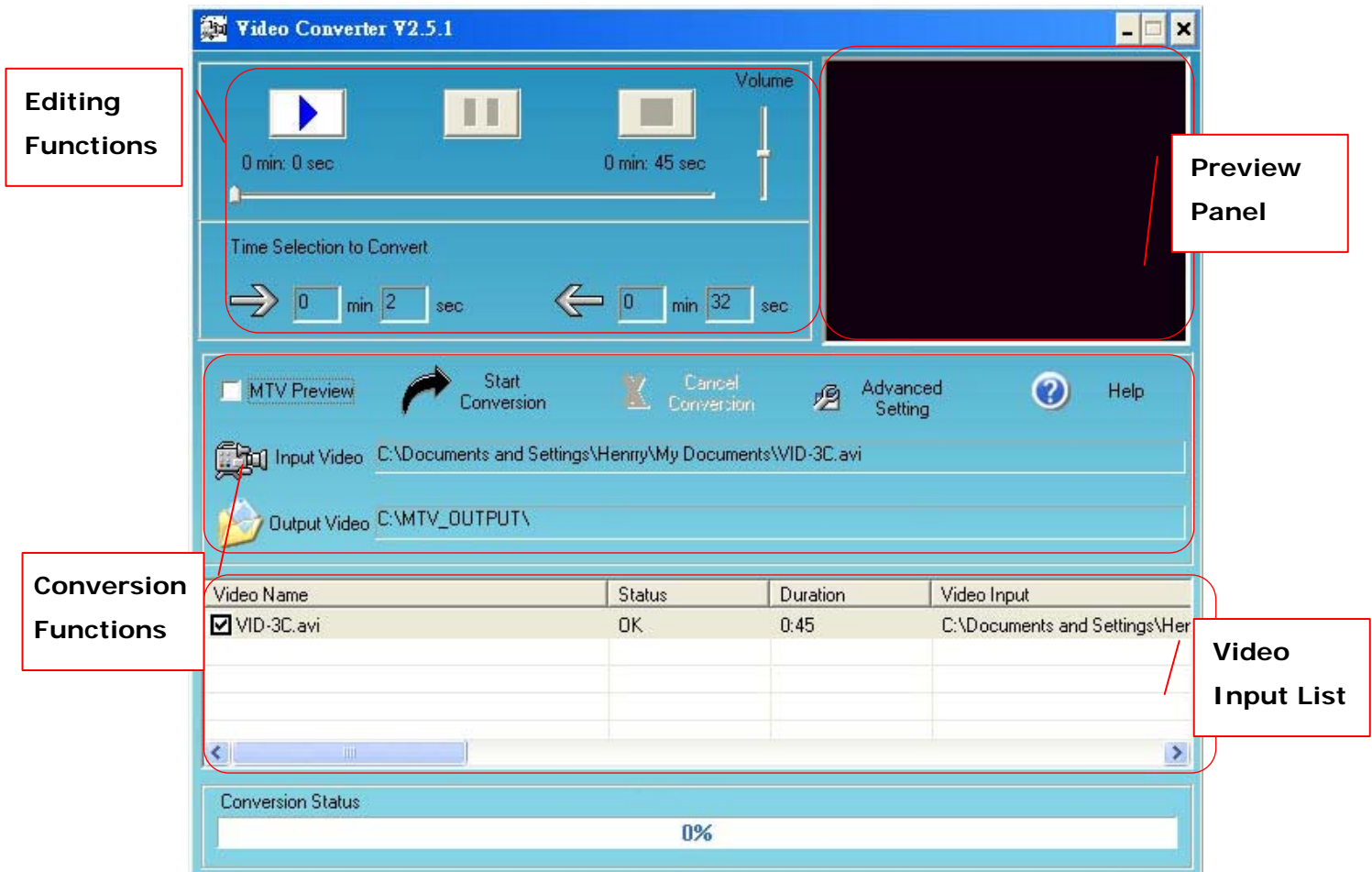
Click on **Transform** to convert all images on the list to a slide show file. A window will pop up prompting for the saving location. Designate the path and click **OK** to confirm. The slide show format (*.sls) is designed specifically for the device use only.

Video Converter

Video Converter AP is an application that converts a video file into a file with specific format (*.mtv) for the device use only.

Note:

- The device must be connected to the host PC while the application is running. Please connect the device before executing the functions in the application.
- The application and device supports *.avi, *.wmv, *.asf, *.mpg, *.mov, *.qt, *.vob, *.rm, *.rmvb, *.mpg4 and *.3gp file formats only. The application will not take in other files with different formats.
- DirectX 9.0 or above, Media Player 9.0 or above, or other DirectShow based codecs must be installed for the application to recognize all suitable file formats. Failure to comply will result incomplete conversion to *.mtv file format.

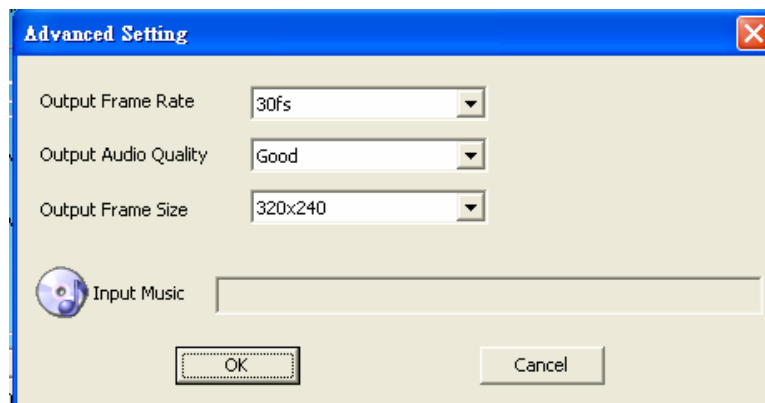


- **Loading File to Video Input List**

1. Click on **Input Video** icon to load a video file to **Video Input List**. A window will pop up prompting for file for conversion. Specify the path and click **OK** to confirm.
2. Click on **Output Video** icon to specify the destination path. A window will pop up prompting for the location. The default path is **C:\MTV_OUTPUT**
3. The selected file will be displayed at **Video Input List**. Click and drag the slider at the bottom to review attributes of the highlighted file. Right click on the highlighted file and left click on **Delete** to remove it.

- **Advanced Setting**

1. Right click and click on **Advanced Setting** on the highlighted file in **Video Input List** or simply click on **Advanced Setting** at **Conversion Functions** area. A window as shown below will pop up for more detailed setting.



2. To redefine file attributes, click and select from drop down text box to modify each category.
 1. **Output Frame Rate** defines how frequent the video frame refreshes itself.
 2. **Output Audio Quality** defines the quality of audio.
 3. **Output Frame Size** defines the resolution of the video file.
 4. Click on **Input Music** to insert a different background audio. A window will pop up prompting for the location of file. Specify the file path and click **OK** to confirm.

- **Video File Editing**

1. At **Editing Functions** panel, click ▶ to start preview playback, || to pause playback, and ■ to stop playback.
2. Drag **Volume** vertical slider to adjust audio volume and horizontal slider to start playback at a specific time point.
3. Click on → to select a starting point of the video clip and ← to specify the end point.

- **Video File Preview and Conversion**

1. At **Conversion Functions** field, place a √ on **MTV Preview** check box to activate preview function. The video will be displayed as edited.
2. Click on the check box again to activate conversion function. Click on **Start Conversion** to

start conversion. Click **Cancel Conversion** to stop conversion process. The bar diagram labeled **Conversion Status** at the bottom of the application will indicate conversion progress.

3. Click on **Help** to see further detailed instructions on making a video clip.
4. Upon completion, the converted video file (*.mtv) will be stored at the destination folder specified at **Output Video**.

Appendix

Technical Specifications

Flash Memory Capacity	<ul style="list-style-type: none"> ● Micro SD/T-Flash Card, up to 2GB ● Build in flash memory, up to 8G
USB Interface	USB2.0 (High Speed) Interface
LCD Display	262K TFT LCD Display
Power Supply	Li-Polymer Battery
S/N ratio	≥85dB
Audio Frequency Range	20Hz – 20kHz
Equalizer Preset Modes	Normal, Pop, Rock, Classic, Jazz, Bass, Custom EQ
Supporting File Format	*.mp3, *.wma, *.mtv, *.bmp, and *, jpg
FM Frequency Range	87.50 MHz ~ 108.00 MHz
File System	FAT16, FAT32