

USER MANNUAL

DIGITAL AUDIO PLAYER

(MODEL : CA-F100)

CM TECH CO., LTD

Contents

Preparations

Safety Instructions	4
Features	6
Components	9
Location of Controls (yopp)	10

Connection to Computer

Connecting the yopp to a PC	12
Manual Installation of USB Driver	16
Using the removable storage(PC)	20
• Downloading/Uploading files	20
• Disconnecting the USB cable	21
• Formatting	22
Installing yopp studio	23
To View Help on yopp Studio	25

Basic Usage

Setting up Volume/Hold Functions	27
Recording Voice	28
MP3 Encoding	29
Searching for Music/Voice Files	30
Listening to FM Radio	31
Encoding From FM Radio	33

Additional Usage

Loop Repeating	34
Using Navigation	35
Setting Playlist	36
Setting up MENU	37
Managing Files	38
• Deleting	38
• Formatting	39
Setting the Advanced Function	40
Selecting the Playmode	41
Setting up EQ	42
DISPLAY	43
• Scroll Speed / Lyric On/Off / Time	43
• Backlight	44
• Contrast	45
POWER OFF TIME	46
• Time / Sleep	46
ENCODE	47
• Bitrate / AutoSync Time	47
WOW Level	48
• Adjusting SRS and TruBass Level	48
• WOW Optimum	48
DEFAULT VOLUME	49

Appendix

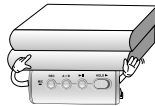
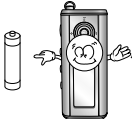
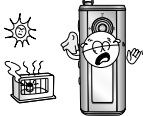
MENU Table	50
------------------	----

Customer Support

Troubleshooting	52
Specifications	54
Safety Information	55
Warranty	57

Safety

Read and understand all the instructions to avoid injury to yourself and damage to the equipment.

Do not expose to extreme temperatures (above 95°F or below 23°F). Do not expose to moisture. 	Do not apply excessive pressure to the device. 	Do not let any foreign matter spill into the device. 
Do not place heavy objects on top of the device. 	Do not expose to chemicals such as benzene and thinners. 	Remove batteries when the device is left unused for a long period of time. 
Do not expose to direct sunlight or heat sources. 	Do not store in dusty areas. 	Do not try to disassemble and repair the device yourself. 

※ Please be aware that we disclaim all responsibility for damages from loss of saved or recorded data due to breakdown, repair or other causes.

Earphones

Follow Traffic Safety Instructions

- Do not use the earphones while driving an automobile or riding a bicycle. It's not only dangerous, but also against the law.
- An accident may result if you turn up the volume of the earphones too high while walking down the street, especially when crossing at intersections.

Protect your ears

- Do not turn the volume up too high. Doctors warn against prolonged exposure to high volumes.
- Stop using the device or turn the volume down if you get ringing in your ears.

Ambient operating conditions

- Ambient temperature : 5°C ~ 35°C (41°F ~ 95°F)
- Humidity : 10% ~ 75%

Environmental Information

- Follow local guidelines for waste disposal when discarding packaging, batteries, and old electronic appliances.
- yepp packaging uses cardboard, polyethylene etc., and does not use any unnecessary materials.

DIGITAL SOUND yepp'

MP3 & WMA Playback

- MP3 is an MPEG1 Layer3 audio format.
- WMA is a Microsoft Windows Media audio format.

Removable Storage Device

- You can easily copy and paste files to the yepp player using Windows Explorer.

Featuring an Encoding Function

- You can make **an** MP3 file out of source using the ENC jack on the main unit.
- You can also convert an FM radio program into an MP3 file in real time.

DIGITAL SOUND yepp'

FM Reception

- Listening to an FM program is made easy with Auto Search and Frequency Memory functions.

Featuring 3D Sound

- The 3D feature adds spaciousness to the sound.

Auto-Lyrics Function

- If Lyrics Station is used after sending music files to the yepp, the lyrics can be seen in the display window even without separately inputting the lyrics or doing synch work.

DIGITAL SOUND yepp

Upgradable

- You can upgrade the built-in programs when available.
Add functions, CODEC, etc. Please check the yepp home page

12-Hour Continuous Play

- This unit uses one AAA/LR03 alkaline battery. Operation can last up to 12hours.
Actual playing time may vary according to the type and capacity of the battery.

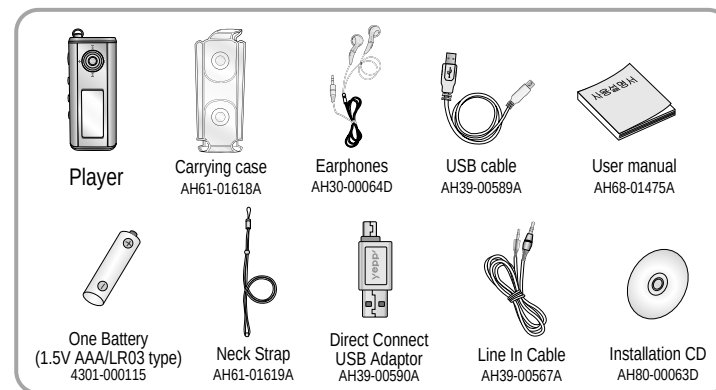
Voice Recording Function

- You can do a Voice Recording with high quality and use it for a conference.

Sound

- You can adjust the equalizer manually.

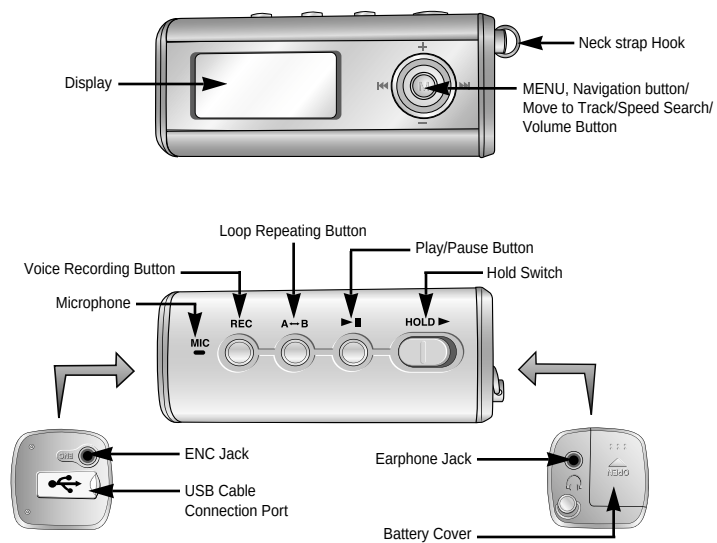
Components



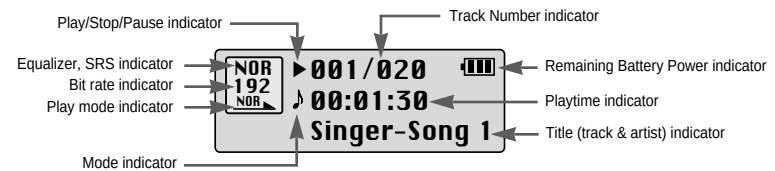
Model	CA-F100	CA-F100	CA-F100
Built-in memory	128MB	256MB	512MB

- The capacity of the useable built-in memory is less than indicated as the internal firmware uses a part of the memory as well.
- When accessories are damaged, they can be purchased individually at a Samsung Service Center.
- Design of accessories is subject to change, for the purposes of improvement, without notice.

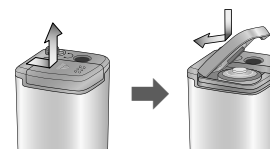
Location of Controls (yep)



Display



Inserting a Battery



Note

- Do not place heavy objects on the cover.

Connecting the yepp to a PC

System Requirements.

The PC system must meet the following specifications:

- Pentium 133MHz or greater.
- Windows 98 SE/ME/2000/XP.
- 40MB of available hard disk space
- CD-ROM drive.
(double speed or greater)
- USB port (1.1) supported.
- DirectX 8.0 or above.

Note

- Windows ME, 2000 and XP can recognize the driver without installing the provided program. However, you must install the program in order to format the yepp and upgrade the firmware.
- Windows ME, 2000 and XP can recognize the driver without installing the provided program. However, you must install the program in order to format yepp and upgrade firmware.
- If the CA-F100 program has not been installed in Windows 98, then it will not communicate with your removable disk. You must install the USB driver file first.

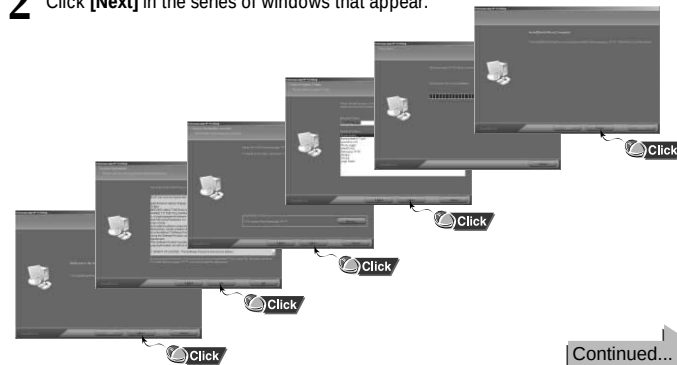
Before connecting yepp to PC, make sure to install USB driver. If "Add New Hardware Wizard" appears, press the [Cancel] button and install the USB driver.

Installing software

- 1 Insert the Installation CD into the CD-ROM drive. The picture shown below appears. Select [yepp USB Driver]



- 2 Click [Next] in the series of windows that appear.



Connecting the yepp to a PC

Connecting the yepp to a PC with a USB cable

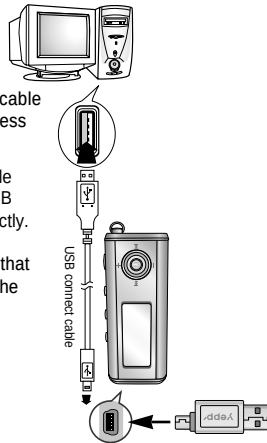
- 3** Connect a USB cable to the USB port in the computer.

- 4** Connect the other end of a USB cable to the USB cable connection port on the bottom of the yepp, and press the ► button on the main unit.

- If you disconnect the USB cable from your PC while implementing a command or initializing during USB driver installation, your PC may not function correctly.

- 5** The USB driver is installed with a message saying that it is searching for a new device. You may not see the display screen during installation. Go to the device manager to check that installation has been successfully completed.

- 6** Upon installation of the USB driver CA-F100" will appear in the [System Properties] → [Device Manager].



How to check the USB driver

- Windows 98:
Control Panel → System → Device Manager → Universal Serial Bus controllers/Samsung YP-T5 Class
- Windows 2000/ME:
Control Panel → System → Hardware → Device Manager → Universal Serial Bus controllers → USB Mass Storage Device
- Windows XP:
Control Panel → System → Hardware → Device Manager → Universal Serial Bus controllers → USB Mass Storage Device



- 7** When the USB driver is not installed automatically, refer to the next page.

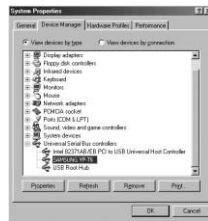
Manual Installation of the USB Driver

Go to "Downloading/Uploading files" on page 20 if the USB driver is in place.
Follow these steps if the USB driver is not in place :

When an error occurs during installation of the USB driver

1 Check the device manager.

- Windows 98/ME:
Control Panel → System → Device Manager
- Windows 2000 (Professional):
Control Panel → System → Hardware →
Device Manager
- Windows XP (Professional):
Control Panel → System → Hardware →
Device Manager



2 Check if there is a device listed with an exclamation point or a question mark (displayed as unknown device or USB device).

3 Double click on the device listed with an exclamation point or a question mark.

Note

- If you are using Windows 2000 and your version of Windows does not recognize the USB driver please download and install the latest service pack from windowsupdate.microsoft.com
- The installation method may vary depending on the type of PC or operating system. Contact your PC dealer or service center for installation information.
- If errors occur continuously when you install the USB driver, reconnect the USB cable after rebooting your system.

4 After selecting the driver, click on [Update Driver].



5 Select a compatible driver, click on [Next] to finish.



Manual Installation of the USB Driver

In Windows 98

Click **[Next]** button in the series of windows that appear.



USB driver location
[CD ROM]\setup\Drivers

- You must reboot your computer to complete the installation.



Note

- You cannot use it as a removable disk in Windows 98 if the YP-T5 program is not installed. Make sure to install the USB driver file first.

Using the removable storage

Downloading/Uploading files

- 1 Turn on the yepp and connect yepp to PC.
- 2 Open Windows Explorer on PC.
- 3 Select the file to save and drag-and-drop it into the removable disk icon.
(In numerical, alphabetical order)



Notice

- The "WRITING/READING" message will appear during file download or upload. Disconnecting the USB cable while "WRITING/READING" is displayed may cause malfunction of the unit.
- The order of music files is not relative to the replay order when you select a Removable Disk in Windows Explorer.

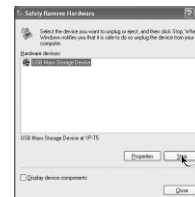
Disconnecting the USB cable

After completing the file transmission, you must disconnect the cable in the following way:

- 1 Double-click on the green arrow in the taskbar on the bottom right of the window.



- 2 When the [Hardware device stopped] message appears, press the [OK] button and disconnect the USB cable.



Note

- The green arrow is not displayed on the Task Bar in Windows 98 system.
If "READY" message is shown in Display window, please disconnect the USB cable.

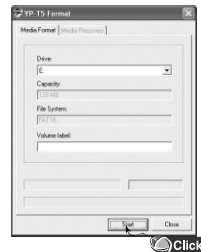
Using the removable storage

Formatting

- 1 Select the removable disk icon and click the right mouse button to select **[Format]**.



- 2 Press the **[Start]** button.
 - All saved files will be formatted.
 - You can change the name of removable disk by selecting [Volume label].



Note

- By formatting, all previously preset menus will be initialized.
- Care must be taken as formatted files can not be recovered.

Installing yepp studio

- 1 Insert the Installation CD into CD-ROM drive. Select **[yepp studio]**.



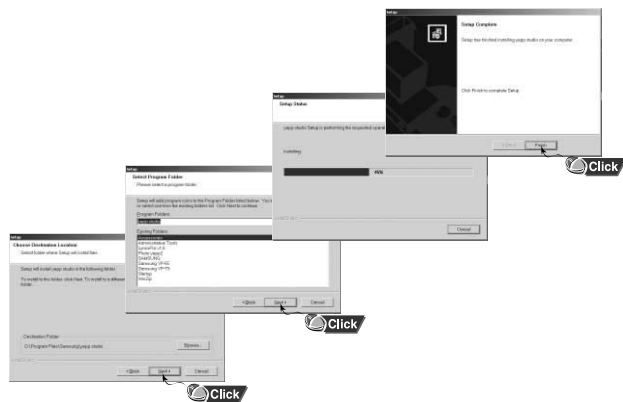
- 2 Select language



Continued...

Installing yepp studio

- 3 Click **[Next]** in the series of windows that appear.
- Please refer to Help for more information on how to use yepp Studio.



Note

- When the [Register Serial Number] message appears, at your first execution of yepp Studio, enter the yepp's serial number.

To View Help on yepp Studio

Run yepp Studio and press F1.

- Help will appear.

Move the arrow to the top of yepp Studio and right click on the mouse. The following selection window will appear.

- Click on Help and the Help window will appear.



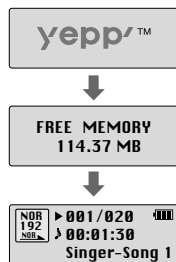
Note

- Music recognition technology and related data are provided by Gracenote and Gracenote CDDB® Music Recognition ServiceSM.
- CDDB is a registered trademark of Gracenote. The Gracenote logo and logotype, the Gracenote CDDB logo and logotype, and the "Powered by Gracenote CDDB" logo are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.

Playing Music and Turning Off the Device

Playing Music (Power On)

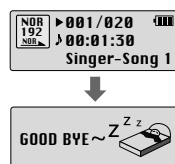
When you press the ► button, the yepp logo appears and a music/voice file is played.



Pausing Music (Power Off)

When you press the ► button while playing, the music stops. If no buttons are pressed within 10 seconds (changes depending on settings), the yepp automatically powers off.

- You can also turn off the power by pressing and holding the ► button on the main body.



Note

- WMA files can be played only as music files with a compression rate of 64Kbps-192Kbps, that can be created in Windows Media Player (Version 8.0).
- The power off time can be set in the menu.

Adjusting the Volume/Hold Function

Adjusting the Volume

Press the player's - + key during playback to adjust the volume.



Note

- Volume ranges from 00 to 30.
- Press once to adjust the volume by one step. Press and hold to increase or decrease the volume in greater increments.

HOLD Function

In Hold mode, all buttons will not work.

Slide the  switch on the player in the direction of the arrow.

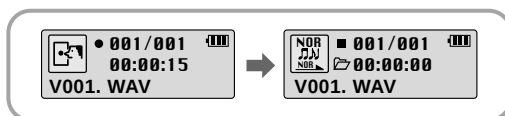
- When the button is pressed, the "HOLD!" message will appear on the display.



Recording Voice

To Record Voice

- 1 Press the **REC** button to start voice recording.
- 2 If the **REC** button is pressed again, the recording is stopped and the voice file is saved.

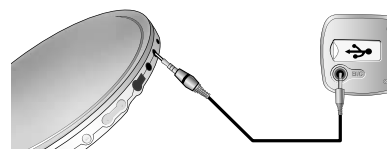


Note

- Recording is done in the order of V001, V002,....
- If the Memory is full, the Voice Recording is stopped automatically.
- Voice Recording does not work in FM Mode or when the Line In cable is connected.

MP3 Encoding

- 1 Connect the Audio Output port on the external audio source (or the Line Out port) to the ENC port on the device with the Line cable.



- 2 If the **REC** button is pressed, MP3 encoding begins.
 - If the **▶||** button is pressed, encoding is paused and if the **▶||** button is pressed again, the encoding resumes.
- 3 If the **ENC** button is pressed during encoding, the encoding stops and an encoding file is created.
 - Encoding is performed in order (L001, L002, etc.) and files are saved in the MP3 format after encoding.

Note

- Bit Rates can be set within the range of 32Kbps~128Kbps.
- Volume can be adjusted from level 0 to 10 while monitoring the Encoding.

Notice

- Do not disconnect the Line cable during Encoding.
- If the battery is not charged enough, encoding will not be done.
- Adjust the volume of the external audio source to a suitable level and encode it. If the volume level is extremely high, the sound quality may not be good.

Searching for Music/Voice Files

To search for specific parts during play

- Pull and hold the **⏮** keys to the left or right during playback to search for the part you want to listen to.
- Release the key to resume play normally.

To change tracks during play

- Pull the **⏮** key briefly during playback to play the next track.
- Pull the **⏮** key briefly within 5 seconds after playback starts, to move to and play the previous track. Pull the **⏮** key briefly after 5 seconds to play the current track from the beginning.

To change tracks when stopped

- Pull the **⏮** keys to the left or right in stop mode to move to the previous/next track.

Note

- VBR(Variable Bit Rate) file: A file that constantly changes the compression rate according to the type of sounds, such as their pitch, in the file.
- In the case of a VBR file, you cannot move to and play the previous track even if you push the **⏮** key within 5 seconds after playback starts.
- File for which the file extension is changed to MP3 after downloading in MP2 or MP1 format may not play.

Listening to FM Radio

First, press the  key to display the menu screen and select FM Radio.

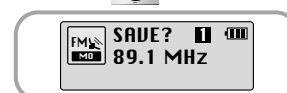
Manual Search for a Frequency

- Pull the **⏮** keys briefly to search manually for the frequency you want.



Manual Storage of a Frequency

- After searching manually for the frequency you want, press and hold the  key to display the Save screen.
- Use the **⏮** keys to select the number you want assign to save the frequency and then press the  key.



Note

- To exit from FM Mode press the  key.
- Mono (MO) or Stereo (ST) is automatically selected.

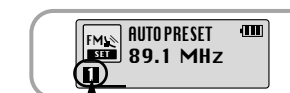
Automatic Search for a Frequency

- Pull and hold the **⏮** keys to search for and stop at a received frequency.



Automatic Storage of a Frequency

- Press and hold the A↔B button while in FM Mode.
- Frequencies within the range of 87.50MHz to 108.00MHz are automatically selected and stored.
- Frequencies are automatically stored, starting from 1.



Number of channels saved.

Listening to FM Radio

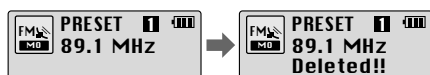
Searching Stored Frequencies

- 1 Press the ► button in FM Mode.
 - PRESET screen will appear.
- 2 Use the ◀▶ keys to move to the frequency you want.



Deleting Stored Frequencies

- After moving to the PRESET number you want to delete, press and hold the  key.
 - The saved PRESET number will be deleted.

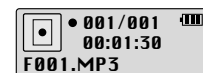


Note

- You can store up to 20 frequencies.
- Press the ► button in the PRESET screen to exit the PRESET mode.

FM Encoding

- 1 Press and hold the **REC** button during FM reception.
 - Encoding of the currently transmitted FM broadcast begins.



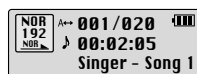
- 2 Press the **REC** button again.
 - A file is created and the encoding stops.
 - Files are saved in order of F001, F002, F003...and stop automatically when the memory is full.

Loop Repeating

Starting Point

While playing music files, press the A↔B button briefly at the beginning of the loop you want to set.

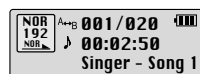
A↔ appears in the display.



Ending Point

Press the A↔B button briefly again to set the end of the loop.

A↔B appears in the display.
The loop is played repeatedly.



Note

- Press the A↔B button briefly to cancel the loop.
- Loop Repeat is automatically released if you Speed Search with the ◀◀, ▶▶ buttons.

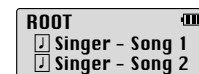
Using Navigation

You can easily search for files or switch modes using the Navigation function.

- 1 Press and hold the  button to move to Navigation mode.



When the folder is in play or stop status.



When the file is in play or stop status.

- 2 Select the file or folder that you want to play.
 - ◀◀ : When moving to a higher-level folder.
 - ▶▶ : When moving to a lower-level folder.
 - - + : When moving to a file or folder in the same directory.
 -  : Move to the next folder down. When there is a lower folder, the selected file will be designated as part of the playlist.
- 3 Press the ▶|| button.
 - The selected file will be played.
 - If you select a folder, all the files in the selected folder will be played.

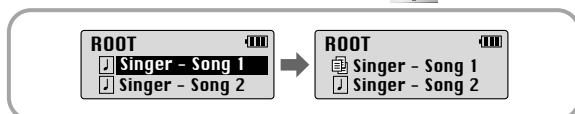


- Press and hold the  key in Navigation mode to exit Navigation mode.

Setting Playlist

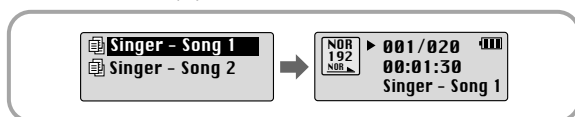
Setting Playlist

- Move to the file you want in Navigation mode and press the  key.
- The selected file will be marked.
- To release the playlist setting, move to the marked file in Navigation mode and press the  key again.



Playing Playlist

- 1 Press and hold the A↔B button in Music mode.
 - The Playlist you set will be displayed.
- 2 Move to the file you want to play and press the ► button.
 - The selected file will be played.



Note

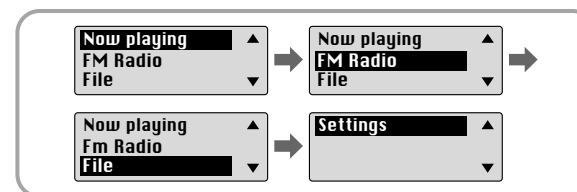
- Select PLAYLIST in MENU, File Delete (see "Deleting") to release all the playlists you set.

Setting up MENU

Press the  key to switch to MENU mode.

Use the   key to move and press the  key briefly to select the menu you want.

Press and hold the  key to exit the MENU mode.



- Now playing : To check the track currently played.
- FM Radio : To listen to FM radio.
- File : To delete or format files.
- Settings : To set the detailed function of yepp

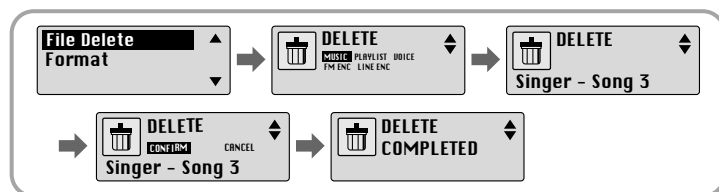
Note

- In MENU mode, no input for 15 seconds will cancel the MENU mode.

Managing Files

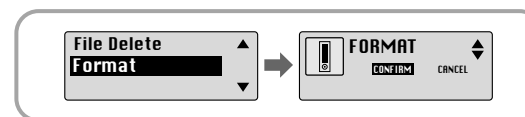
Deleting

- 1 Select **File** in the MENU. (refer to "Setting up MENU")
- 2 In File, select **File Delete** and the mode (Music or Voice) the target file is in.
- 3 Use the **←**, **→** key to move to the file you want to delete, press the  key and select CONFIRMATION.
Press the **⏮** key briefly to exit the setting.



Formatting

- 1 Select **File** in the MENU. (refer to "Setting up MENU")
- 2 Select **Format** in File.
 - Formatting is performed if CONFIRM is selected.



Note

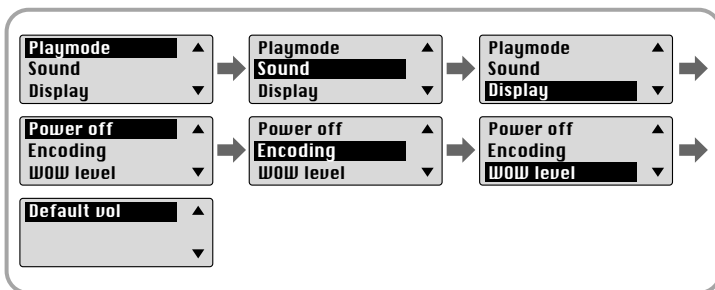
- All files will be deleted when formatting the built-in memory.
- It is recommended that formatting be carried out on a PC that has the provided program installed as formatting in the Menu may take a long time.

Setting the Advanced Functions

Settings

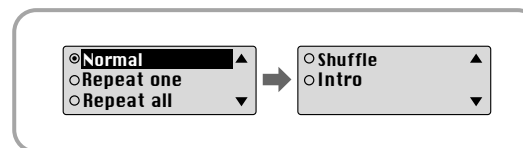
- 1 Select **Settings** in the MENU. (Refer to "MENU Mode")
- 2 In Settings, use the **-**, **+** key to move to the function you want and press the  key to select.

- Use **⏮** key to move to upper menu.



Selecting the Play mode

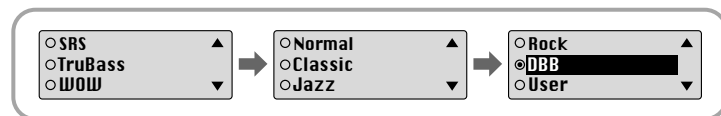
- 1 Select **Playmode** in Settings.
- 2 In Play mode, use the **-**, **+** key to move to the mode you want and press the  key to select.



- Normal: To play all the tracks in order one time.
- Repeat one: To repeat one track.
- Repeat all: To repeat all tracks.
- Shuffle: To play tracks at random.
- Intro: To listen to the first part of all saved tracks for 10 seconds.

Setting the EQ mode

- 1 Select **Sound** in Settings.
- 2 In Sound, use the **—, +** key to move to the sound mode you want and press the  key.
 - SRS (): You will hear 3D Stereo sound.
 - TruBass (): This is a bass boost feature that adds fullness to the sound.
 - WOW: This feature allows you to enjoy the SRS and Trubass features simultaneously.
 - If you want bass boost, select DBB.



- 3 Select User and set the Bass/Treble if you want to set the tone yourself, apart from the specified tone.
 - Bass/Treble can be adjusted from 0 to 10 with the **—, +** key.

Note

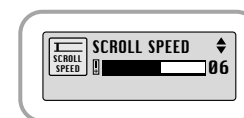
-  is a trademark of SRS Labs, Inc. WOW technology is incorporated under license from SRS labs, Inc..
- Please adjust the volume to a suitable level, as the volume may increase in the SRS setting.
- This unit supports sampling frequencies of 32KHz, 44.1KHz or 48KHz.
- The SRS function is not set for voice recording files.

DISPLAY

Select Display in the Settings.

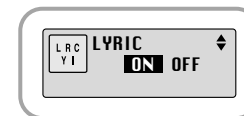
Scroll Speed

- Use the **—, +** key to set the scroll speed.
- The setting range of the scroll speed, which adjusts the speed of the track title flow, is 0 to 10.



Lyric On/Off

- Use the **—, +** key to select LYRIC ON or OFF.
- ON: The saved lyrics are shown on the display screen when playing music.
- OFF: The lyrics are not shown even if they are saved.



Time

- Play time: Displays the current play time
- Remain time: Displays the remaining play time
- Used size: Displays the size of memory used.
- Free size: Displays the remaining memory

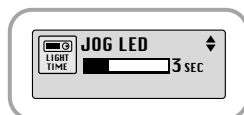


DISPLAY

Backlight

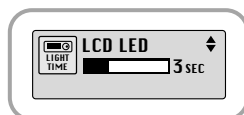
[Light Time - Jog]

- Use the **—**, **+** key to set the  Light-On time.
- The setting range **for** Light-On Time is 0 to 10 seconds.
- When set to On, the Light stays on continuously.



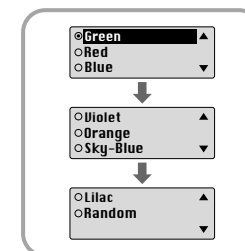
[Light Time - LCD]

- Use the **—**, **+** key to set the LCD Light-Off time.
- The setting range **for** Light-On Time is 0 to 10 seconds.
- When set to On, the Light stays on continuously.



[LCD color]

- Use the **—**, **+** key to select the LCD color you want, out of 7 colors.



Note

- The light does not illuminate when the residual battery level is insufficient.

Contrast

- Use the **—**, **+** key to set the contrast.
- The setting range **for** the contrast, which adjusts the brightness of the screen, is from 0 to 15.

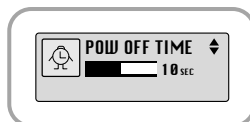


Power Off Time

Select Power off in the Settings.

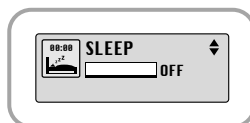
Time

- Use the **—**, **+** key to set the Power-Off time.
- You can set the time from 0 to 1 minute. If no key is pressed after play stops, the unit will automatically turn off after the time you set.
- If you set it to 0 seconds, it will not turn off automatically.



Sleep

- Use the **—**, **+** key to set the Sleep time.
- 30, 60, 90 and 120 minutes are available for sleep time, and it will automatically turn off after the time you set.
- When set to OFF, the power does not turn off automatically.

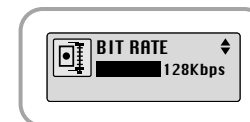


ENCODE

Select Encoding off in the Settings.

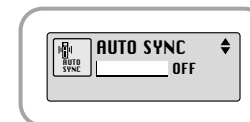
Bitrate

- Use the **—**, **+** key to set the encoding bit rate you want.
- When encoding music into an MP3 file, you can select one of the following bit rates: 32Kbps, 48Kbps, 64Kbps, 96Kbps and 128Kbps.



AutoSync Time

- Use the **—**, **+** key to set the AutoSync Time.
- AutoSync Time is a function for separating and saving MP3 files when there is no sound for a set time during MP3 encoding.
- You can set the AutoSync Time from between 2 and 5 seconds.
- If AutoSync Time is set to OFF, encoding does not stop, but it is saved as one file even if there is no sound between the tracks recorded in MP3 encoding.



Note

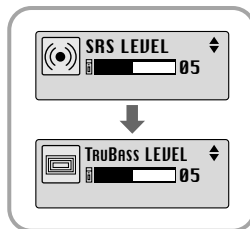
- Auto Sync function can support from 64Kbps to 128Kbps.

WOW LEVEL

Select WOW level off in the Settings.

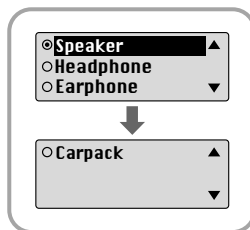
Adjusting SRS and TruBass LEVEL

- If you select SRS or TruBass in WOW level, you can adjust the level of SRS and TruBass.
- Use the **—**, **+** key to select the level you want.
- The level for SRS and TruBass can each be set within the range of 0 to 10.



WOW Optimum

- If you select WOW Optimum, it optimizes the SRS function according to the device connected.
- Use the **—**, **+** key to select Speaker, Headphone, Earphone or Carpack.

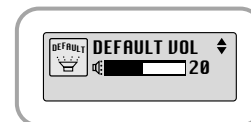


DEFAULT VOLUME

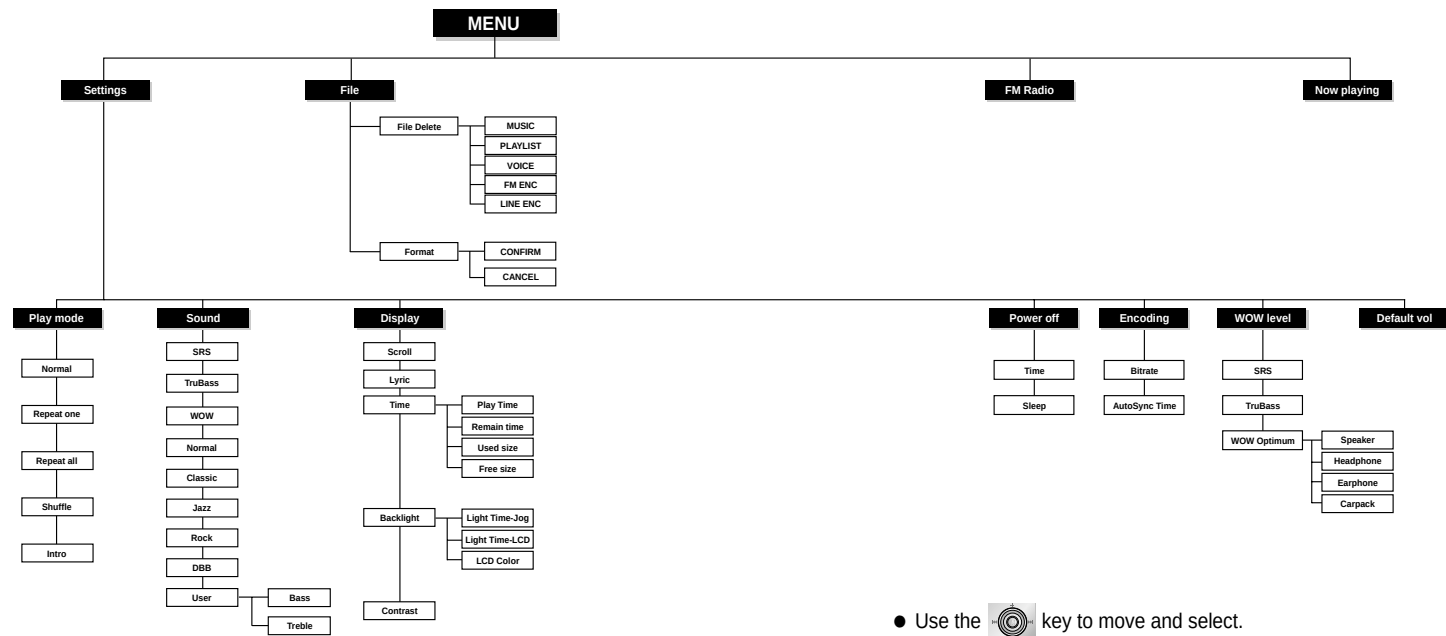
Select Default vol off in the Settings.

Default vol

- Use the **—**, **+** key to set the default volume value.
- It is possible to set the default volume to a value between 0 and 40(MAX).
If the power is turned on again after having adjusted the volume above the default value, music is played at the default volume.
- If the power is turned on again after the volume was set to within the default value, the music is replayed at the previously played volume.



MENU Table



● Use the  key to move and select.



Troubleshooting

The software doesn't work

- Refer to the recommended PC specifications.

yepp does not work and the LCD displays nothing.

- Check the battery capacity
- Check to see if the battery is inserted to the right poles (+ , -)

In PLAY mode, music is not played after pressing the ►||button

- Check to see if MP3 or WMA files are saved in the built-in memory.
- Check to see if the HOLD button is locked.

Files cannot be downloaded.

- Check to see if the driver is installed correctly in the computer.
- Check the connection between yepp and computer.
- Check and/or replace the battery, turn on the yepp's power.
- Operating system limits the number of files you can save.
Please save your music files by creating a subfolder.
- Check if the memory is full.

Backlight does not work.

- Check the backlight setup.
- When the battery power is low, the backlight will go out.

The buttons do not work.

- Check setting of Hold switch.
- Remove the battery once and then install it again.

yepp keeps being turned off.

- In Stop mode, the power is automatically turned off after ten seconds (changes depending on settings).
- Check to see if there are files saved in it.

Something's wrong with play time displayed during Play mode.

- "VBR SONG" message is displayed while VBR (Variable Bit Rate) file is playing.

LCD window is dark

- Check Contrast

Specifications

Model	CA-F100
Built-in Memory capacity	128MB
Voltage	1.5V×1 (AAA/LR03 size alkaline battery)
Playing time	lasts up to 12hours (Alkaline battery, MP3 128Kbps, Vol level 20)
Dimensions/Weight	23×54×23mm/24g (without battery)
Case	Plastic/Aluminuma
Noise Ratio	80dB with 20KHz LPF
Earphones Jack Output Power	5mW(Max 10mW)/CH (16)
Output Frequency Range	20Hz~20KHz
Operating Temperature Range	-5 ~ +35℃(23~95° F)
FM Frequency	88.0 ~ 108.0 MHz
FM Signal to Noise Ratio	45dB
FM T.H.D	1%
FM Useable Sensitiivity	10dB
File Support	MPEG1/2/2.5 Layer3(8Kbps ~ 320Kbps, 8KHz ~ 48KHz) WMA (48Kbps ~ 192Kbps, 8KHz ~ 48KHz)

MEMO

Safety Information

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

FCC

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

Compliance

This product conforms to the following Council Directive:

- ◆ Directive 89/336/EEC, 92/31/EEC(EMC)

EMI/EMC: AnSi C63.4 2001, FCC Part 15 Subpart B

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1.This device may not cause harmful interference, and
- 2.This device must accept any interference received, including interference that may cause undesirable operation.

Warranty

CM Tech warrants this product as free of defects in material, design and workmanship for a period of twelve(12) months from the original date of purchase.

If during the period of warranty this product proves defective under normal use and service, you should return the product to the retailer from whom it was originally purchased. The liability of CM Tech and its appointed maintenance company is limited to the cost of repair and/or replacement of the unit under warranty. Return of the product for defective reasons should be to the original purchaser; however, CM Tech Authorized Dealers and Authorized Service Centers will comply with the warranty on the terms issued to purchasers in the country concerned. For further information relating to the Authorized Service Centers contact

WARRANTY CONDITIONS:

1.The warranty is only valid when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice or sales slip confirmation, indicating the date of purchase, dealer's name, model, serial No. and product number.

CM Tech reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the product from the dealer.

2.CM Tech's obligations are to the repair of the defective part, and at its discretion, replacement of the product (service exchange unit).

3.Warranty repairs must be carried out by an Authorized CM Tech Dealer/Service Center. No reimbursement will be made for repairs carried out by non CM Tech Centers, and warranty coverage will not be valid for any repairs or damage caused by such repairs.

4.Repair or replacement under the terms of this warranty does not give right to extension to or a new starting of the period of warranty. Repair or direct replacement under the terms of this warranty may be fulfilled with functionally equivalent service exchange units.

5. The warranty is not applicable in cases other than defects in material, design and workmanship. The warranty does not cover the following:

- ◆ Periodic checks, maintenance, repair and replacement of parts due to normal wear and tear.

- ◆ Abuse or misuse, including but not solely limited to the failure to use this product for its normal purposed or in accordance with CM Tech's instructions usage and maintenance.

- ◆ Use of the product in conjunction with accessories not approved by CM Tech for use with this product.

- ◆ Failure of the product arising from incorrect installation or use not consistent with technical or safety standards in current force, or failure to comply with product manual instructions.

- ◆ Accidents, Acts of God or any cause beyond the control of CM Tech caused by lightning, water, fire, public disturbances and improper ventilation.

- ◆ Unauthorized modifications carried out for the product to comply with local or national technical standards in countries for which the CM Tech product was not originally designed.

- ◆ Repairs performed by non-authorized service centers such as opening of the product by a non-authorized person.

- ◆ The model, serial No. and product number on the product has been altered, deleted, removed or made illegible.

6. This warranty does not affect the consumer's statutory rights nor the consumers rights against the dealer from their purchase/sales agreement.



Warranty

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON CM TECH, CM TECH SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, NOR SHALL RECOVERY OF ANY KIND AGAINST CM TECH BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY CM TECH AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER

ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY CM TECH NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF CM TECH. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
This product is for personal use only, and is only for use in compliance with the limitations of copyright and other laws.