

MR-200 MANUAL

MURO
M U L T I R O A D

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICES MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIREED OPERATION.

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 into 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.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Name of Each part

Name of Each part	Front, Back	3
	Top, Bottom, Left/Right	4

Basic Operation

Download File	Connect to PC	5
	Download File in Win2K, WinXP	6
	Download File in Win98 SE	
Install Win98 SE Driver	Install Win98 SE Driver	7
Charging / Firmware Upgrade	Charging	13
	Firmware Upgrade	
Reset	Reset	14
Basic Operation	Power On / Off	15
	Volume Up / Down	
	Hold On / Off	
Mode	Mode	16
	Mode Selection Type 1	17
	Mode Selection Type 2	18

Music

Listening to Music	Listening to Music	19
	Track Forward / Track Back	
	Fast Forward / Rewind	
Navigation	Navigation	20
Play Menu	Using Menu	21
	Equalize	22
	3D Sound	23
	User EQ	24
	Repeat Mode	25
Display Menu	ID3 Tag	26
	Language	27
Speed Menu	Speed	28
	Set Speed	29
File Menu	File Info	30
	Delete Bookmark	31
Other Functions	Creating Bookmark	32
	Delete File	33
	Copy File	34
	Repeat Section	35

Voice Record

Voice Record	Voice Record	37
	Voice Record Quality	38

FM Radio

Manual Mode / Preset Mode	Manual Mode	39
	Preset Mode	
	Select Manual Preset Mode	40
FM Band	FM Band	41
Manual Mode	FM Step	42
	Selecting Station Manually	43
	CH Auto Scan	
	CH Auto Save	44
	CH Auto Scan – Set Sensitivity	
Saving CH	Saving CH	45
Preset Menu	CH List	46
	CH Delete Type 1	47
	CH Delete Type 2	
FM Radio Record	FM Radio Record	48

Line in Record

Line in Record	Line in Record	49
	Quality	50
	CD Sync	51

Jpeg View

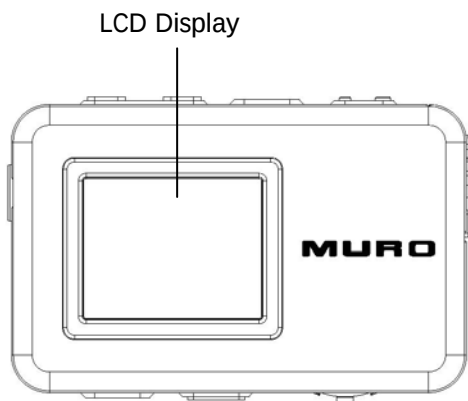
Jpeg View	File Information	52
	Seeing Image	53
	Seeing Motion Picture	54

System Manager

Control Menu	Memory	55
	Version	56
	Format	57
	Screen Saver	58
	Reset	59
	LCD Color	60
Timer Menu	Power Save	61
	Sleep	62

Name of Each part

■ Front

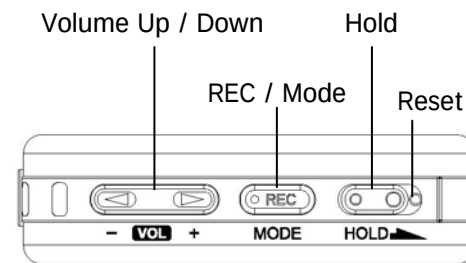


■ Back

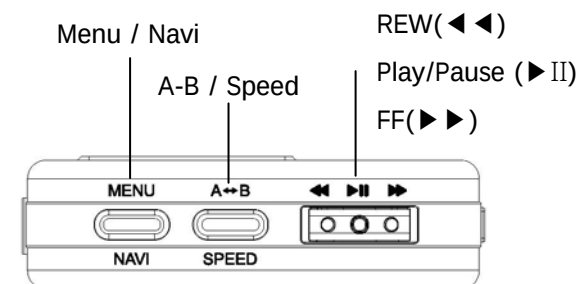


Name of Each part

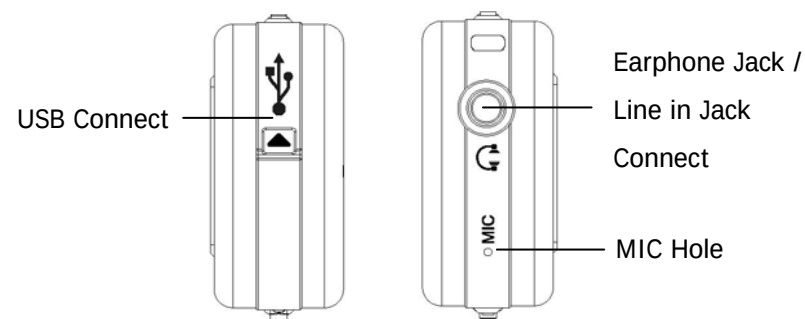
■ Top



■ Bottom



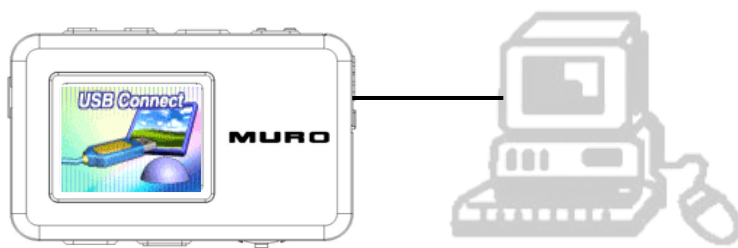
■ Left / Right



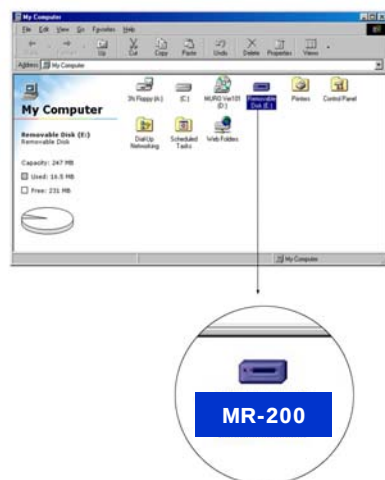
Download File

■ Connect to PC

- Connect player to PC with USB Cable.



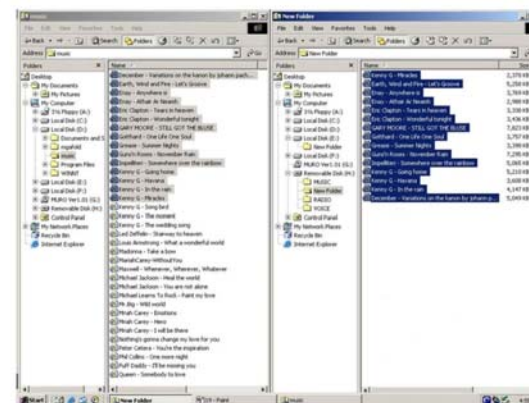
- The player can be recognized as a removable disk.



Download File

■ Download File in Win2K, WinXP, MAC.

- Copy the files you want to download in your PC and paste them in the removable disk.



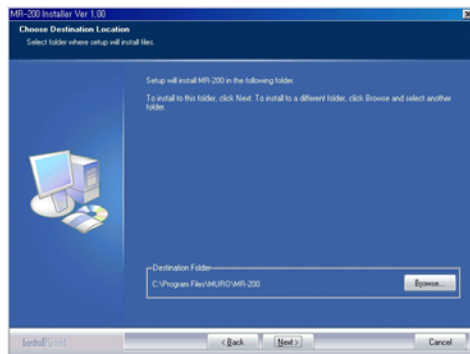
■ Download File in Window98 SE

- If your PC window system is Window98 SE, please install MR-200 Installer in your PC.
Installer program is contained in the bundled CD.

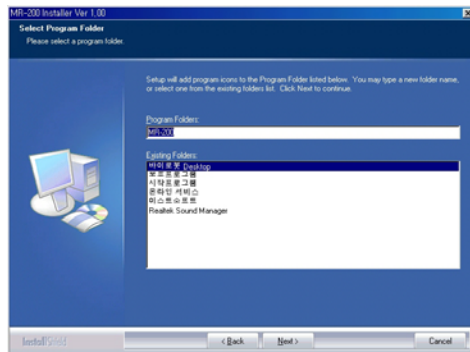
Install Win98 SE Driver

■ Install Win98 SE driver No.1

- Put the bundled CD in your PC. The CD is executed automatically.
- Choose Win98 SE driver by double click.
- The below image appears and starts install.
- Click "Next".



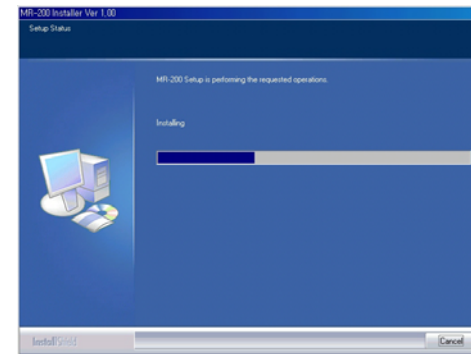
- Click "Next".



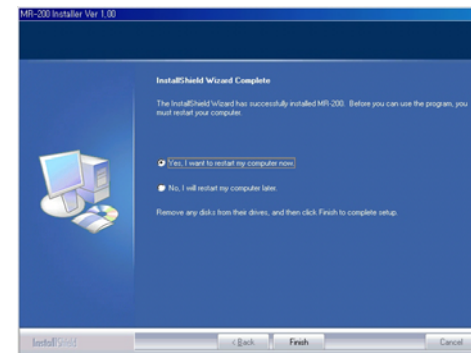
Install Win98 SE Driver

■ Install Win98 driver No.2

- Driver Installs.



- Choose "Yes" and click "Finish".



- Your PC will re-boot.
- After re-booting, connect the player to PC with USB.

Install Win98 SE Driver

■ Install Win98 SE driver No.3

- After re-booting connect player to PC with USB.
- The below window appears, and click "Next".



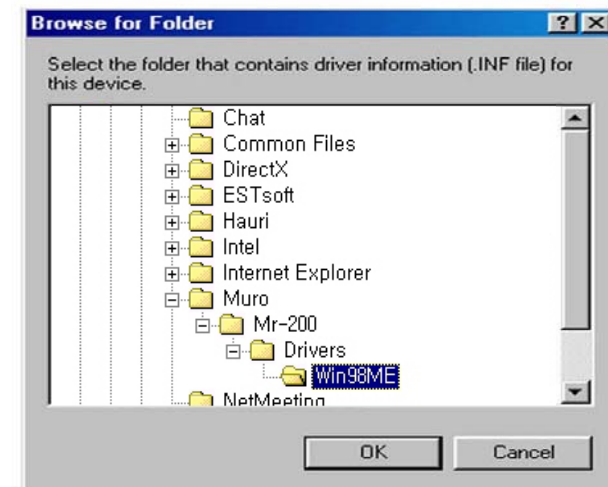
- The below window is for the choice for the driver searching way.
- Choose the first one and Click "Next".



Install Win98 SE Driver

■ Install Win98 driver No.4

- Choose "designation of the location to be searched" and click "Search".



Install Win98 SE Driver

■ Install Win98 SE driver No.5

- As you can see the below, the dialogue box appears to tell you that the driver has been located.
- Start the driver installation by clicking "Next".



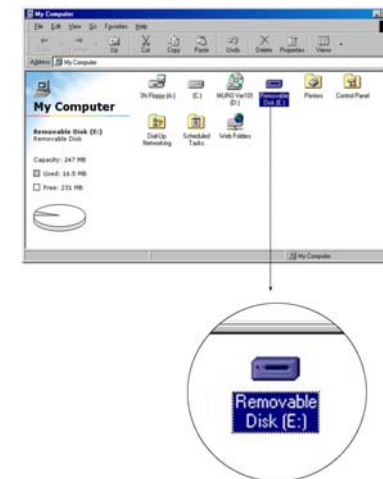
- You will see the dialogue box which says that the driver has been properly set up.
- Click "Finish" and end the driver installation.



Install Win98 SE Driver

■ Install Win98 driver

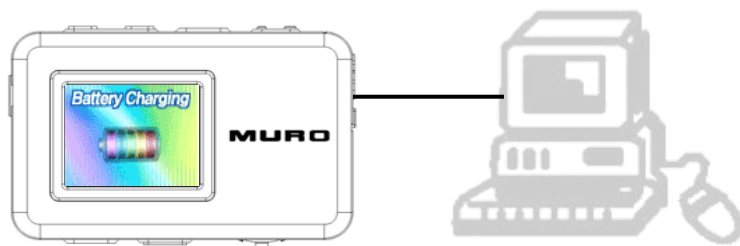
- The player can be recognized as a removable disk.



Charging / Firmware Upgrade

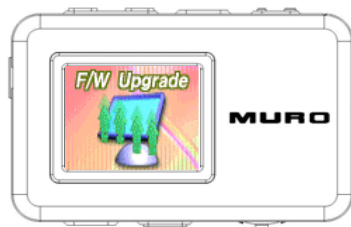
■ Charging

- The player can be charged when it is connected to PC.



■ Firmware Upgrade

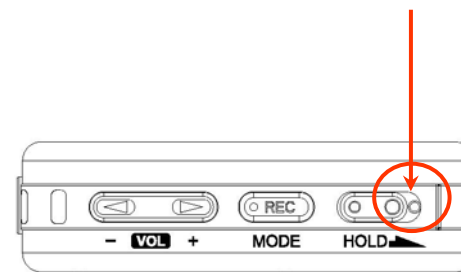
- Download the newest firmware file to player and remove the USB Cable and power on. Automatically firmware upgrade starts.



Reset

■ Reset

- You can reset the player if it has on some error status.
Pock reset point with some pointed thing and power on again.



Basic Operation

■ Power On / Off

- Hold down (▶||) to Power On / Off.



■ Volume Up / Down

- Push Vol.(◀)/(▶) to set Volume.
- Volume range is 0 ~ 40.

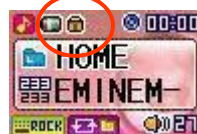


■ Hold On / Off

← Hold Off



→ Hold On



- If you set "Hold On", Lock icon will be displayed if any button is pressed.



Mode

■ Mode

- This product have 6 kinds of Mode as the below.



- Music Mode



- Voice Record Mode



- FM Radio Mode



- Line in Record Mode



- Jpeg Viewer Mode



- System Manager Mode

Mode

■ Mode Selection Type 1

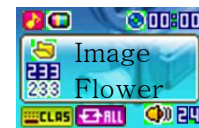
- You can change to Mode which you want to move to.
- Hold down (MODE) and Mode Selection Menu displays.



- Push REW(◀◀)/FF(▶▶) and to select Mode.



- Click (▶II) to enter the selected Mode.



Mode

■ Mode Selection Type 2

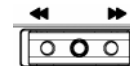
- The below is another way of Mode Selection.
- Hold down (MODE) and the current Mode image displays.



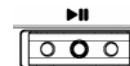
- Click (MODE) and the current Mode image displays.



- Push REW(◀◀)/FF(▶▶) to shift by every Mode.



- Click (▶II) and you can enter the selected Mode.



Listening to Music

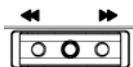
■ Listening to Music

- Click (▶ II) to start music playback.
- Default Music folder is set to Home.



■ Track Forward / Track Back

- Push REW(◀)/FF(▶) to move to previous or next by one file.



■ Fast Forward / Rewind

- Hold down REW(◀◀)/FF(▶▶) in play file.
- Navigate within the music file that is being played.



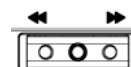
Navigation

■ Navigation

- Hold down (NAVI) in Music Mode to enter Navigation Mode.
- The highest file on the folder which the music being played is located should be selected.
- In the music mode, just "mp3, wma, ogg" file are displayed.
- In the Viewer mode, just "mp4, jpg" file are displayed.



- Push REW(◀◀)/FF(▶▶) to search file or folder.



- Push Vol.(◀)/(▶) to move to Upper Folder level or Sub-Folder Level.



- Click (▶ II) to play the selected song.



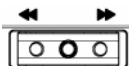
Play Menu

■ Using Menu

- Menu is for the detail setting for user in each Mode.
- Click (MENU) in each Mode to enter Menu mode.



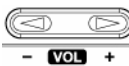
- Push REW(◀◀)/FF(▶▶) to search the selection which you want.



- Click (▶||) to set complete.



- Push Vol.(-) to move the previous step.



Play Menu

■ Equalizer

- Normal, Rock, Jazz, Classical, Pop, User EQ.



Play Menu

■ 3D Sound

- Mex Lite, Mex Bass, Mex Pro, Rex Mild, Rex Wide, Rex Live



Play Menu

■ User EQ

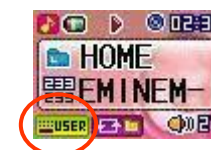
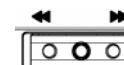
- 50, 200, 1K, 3K, 14K



- Push Vol.(◀)/(▶) to move between each level.



- Push REW(◀◀)/FF(▶▶) to adjust level height.



Play Menu

■ Repeat Mode

- Normal, Track Once, Repeat Track, Repeat Folder, Repeat All, Shuffle Once, Shuffle Folder, Shuffle Repeat, Intro, B-Mark, B-Mark Repeat



Display Menu

■ ID3 Tag

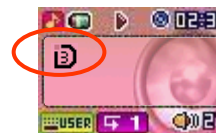
- You can turn ID3 Tag display on or off.
- If you set ID3 Tag on, the name of Artist and Song display.



* ID3 Tag OFF



* ID3 Tag ON : ID3 Information displays as the below type.



File Name - [Artist Name] - [Song Name]

Display Menu

■ Language

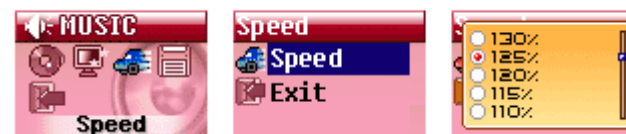
- English, German, Spanish, French, Italian, Russian,
Chinese Tr. Chinese Si, Japanese, Portuguese, Danish,
Norwegian, Swedish, Finnish, Korean



Speed Menu

■ Speed

- 130%, 125%, 120%, 115%, 110%, 105%, 100%,
95%, 90%, 85%, 80%, 75%



Speed Menu

■ Set Speed

- You can either speed up or slow down playback.
- 130% ~ 105% : Faster than normal speed.
- 95% ~ 75% : Slower than normal speed.
- * Note : You can not set the speed if the player isn't playing music.

- Hold down (SPEED) to play music by speed which you set.



- Hold down (SPEED) to play music by normal speed (100%).



File Menu

■ File Info

- You can display the file information of the active music file.



File Menu

■ Delete Bookmark

- You can remove the Bookmarks on songs.



Other Functions

■ Creating a Bookmark

- Music can be selected into Bookmark.
- You can select up to 20 tracks in Bookmark.
- It is just made when the song is being played.
- Click (REC) to save the song into Bookmark.
- Bookmark icon displays.



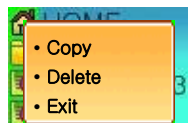
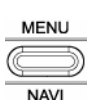
Other Functions

■ Delete File

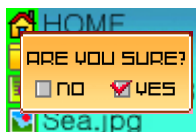
- Search the file or Folder which you want to delete in Navigation.



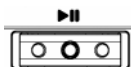
- Click (MENU) and window appears to delete.



- Click (▶||) after selecting "Delete" and select "YES".



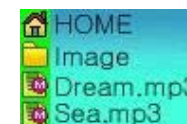
- Click (▶||) to set complete.



Other Functions

■ Copy File

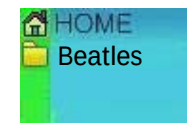
- Search the file which you want to copy.



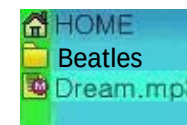
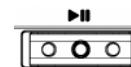
- Click (MENU) and the pop up window displays.



- Push Vol.(◀)/(▶) to search the position where you want to patch it.



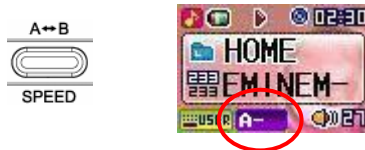
- Click (▶||) to set complete.



Other Functions

■ Repeat Section (A <-> B)

- You can repeat sections of a song. Creating a loop effect.
- Click (A-B) at the section start point.
- (A-) icon appear and starts section save.



- Click (A-B) at the section ending point.
- (A-B) icon appears and start section repeat.



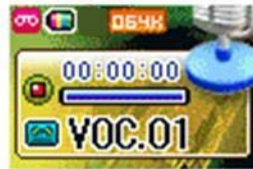
- The repeat section is released when (A-B) key is pressed again.
- Normal playing resumes and the icon disappears from the display.



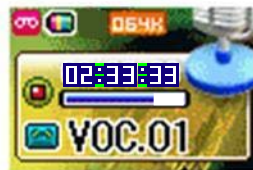
Voice Record

■ Voice Record

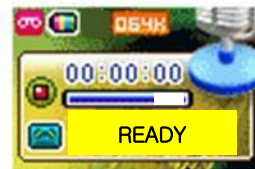
- Click (REC) to start Voice Record.
- Recording Time and icon displays.
- Progress Bar displays the remained memory.



- Click (▶||) to pause Recording.
- Recording Time pauses and icon blinks.



- Click (REC) to stop Recording and back to normal FM Radio Mode.
- Recorded File is automatically saved on "RECORD" folder.



Voice Record

■ Voice Record Quality

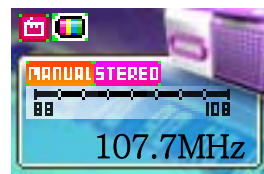
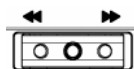
- You can adjust the voice recording bit rate quality.
- Low : 44KHz, 32Kbps, Mono
- Middle : 44KHz, 64Kbps, Stereo
- High : 44KHz, 96Kbps, Stereo



Manual Mode / Preset Mode

■ Manual Mode

- Move between the set step by every REW(◀◀)/FF(▶▶).



■ Preset Mode

- Move between the stored CH by every REW(◀◀)/FF(▶▶).



Select Manual Mode or Preset Mode

■ Select Manual Mode or Preset Mode

- In Menu mode of FM Radio, you can select Manual Mode or Preset Mode.



■ Shift between Manual Mode and Preset Mode

- Click (A-B) to shift easily between Manual Mode and Preset Mode.



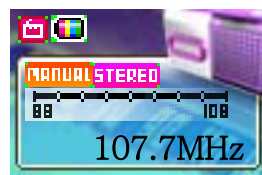
FM Band

■ FM Band

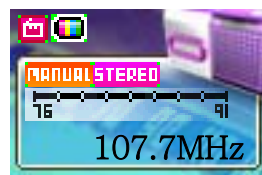
- You can set the FM Radio band depending on which Region you are in.
- US - 87.5 ~ 108.0 MHz
- EURO - 87.5 ~ 108.0 MHz
- Japan - 76.0 ~ 91.0 MHz



- US
- EURO



- JAPAN



Manual Mode

■ FM Step

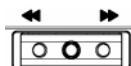
- Step is the increment of frequency that moves by pressing REW(◀◀)/FF(▶▶) to select the frequency interval.
- For example, pressing the button moves
93.450-> 93.50-> 93.550 when you set Step in 50KHz.



Manual Mode

■ Selecting Station Manually in Manual Mode

- You can manually select FM Radio stations.
- Frequency range is "87.5MHz ~ 108.0MHz".
- By pushing REW(◀◀)/FF(▶▶), you can manually select a specific frequency.



■ FM Radio CH Auto Scan in Manual Mode.

- Besides selecting FM Radio stations manually, you can also Auto Scan for available stations.
- Hold down REW(◀◀)/FF(▶▶) to search the next available channel.



Manual Mode

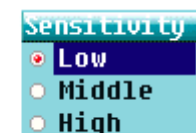
■ FM Radio CH Auto Save in Manual Mode.

- Hold down (A-B) and automatically search the available channel and save them in CH list.



■ FM Radio CH Auto Scan – Set Sensitivity

- You can adjust the reception sensitivity while in Auto Scan Mode.
- Low : Scan for all channels with low reception sensitivity
- Middle : Scan for channels with middle reception sensitivity
- High : Scan for the channels with high reception sensitivity.



Saving CH

■ Saving CH

- You can manually save your favorite Radio stations as Preset.
- Click (▶ II) and CH number and CH Saved icon blinks, after searching the frequency you want.



- Push REW(◀◀)/FF(▶▶) to change CH number which you want to save.



- Click (▶ II) to set complete.



- CH Saved icon and CH number icon display.



Preset Menu

■ CH List

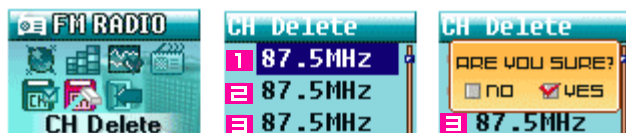
- You can check the saved CH in CH View in Menu Mode.



Preset Mode

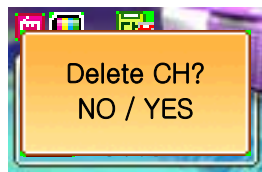
■ CH Delete Type 1

- You can delete the saved CH in Menu Mode.

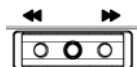


■ CH Delete Type 2

- You can delete the saved CH easily.
- Hold down (A-B) and CH delete window display.



- Push REW(◀◀)/FF(▶▶) to select "YES".



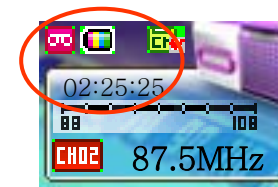
- Click (▶II) to set complete.



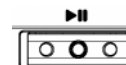
FM Radio Record

■ FM Radio Record

- Click (REC) in Radio Mode.
- Recording Icon and recording time displays.



- Click (▶II) to pause Recording.
- Recording Time pauses.



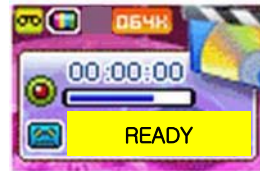
- Click (REC) to stop Recording and back to normal FM Radio Mode.
- Recorded File is automatically saved on "RECORD" folder.



Line in Record

■ Line In Record

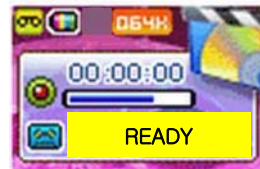
- Click (REC) to start Line in Record.
- Progress Bar displays the remained memory.
- Recording Time and icon displays.



- Click (▶||) to pause Recording.
- Recording Time pauses.



- Click (REC) to stop Recording.
- Recorded File is automatically saved on "RECORD" folder.



Line in Record

■ Quality

- To determine the recording quality of MP32 files in Line in Recording.
- The quality of the recording you choose will determine the memory size of the file being created.
- Very Low : Very low quality of recording (32kbps)
- Low : Slightly low quality of recording (48kbps)
- Middle : Normal Quality of recording (64kbps)
- High : High quality of recording (96kbps)
- Very High : Very high quality recording (128kbps)



Line in Record

■ CD Sync

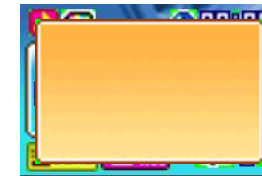
- Sync will determine whether to make a separate file when the period of no sound exists.
- OFF, 1 Sec Sync, 2 Sec Sync



Jpeg View

■ File Information

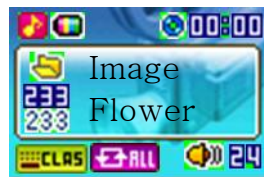
- You can see file information by Click (MENU) in Jpeg Mode.



Jpeg View

■ Seeing Image

- You can see Jpeg file in Jpeg View.



- In Jpeg View Mode, every Jpeg file and Motion picture files can be searched by Navigation just like music files in Music Mode.
- Hold down (NAVI) to search what you want to see in Navigation Mode.



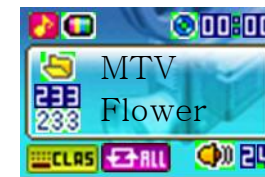
- You can hear music when you can see jpeg image.



Jpeg View

■ Seeing Motion Picture

- You can see Motion Picture file.



- In Jpeg View Mode, every Motion Picture files can be searched by Navigation just like music files in Music Mode.
- Hold down (NAVI) to search what you want to see in Navigation Mode.



- If you are hearing music, the music stops and the selected Motion pictures playbacks.



Control Menu

■ Memory

- You can see the amount of total memory and available in your player.



Control Menu

■ Version

- You can see Version of the this player.



- Note : If you save the newest firmware file on this player.
its version can be automatically upgraded to the newest version.

Control Menu

■ Format

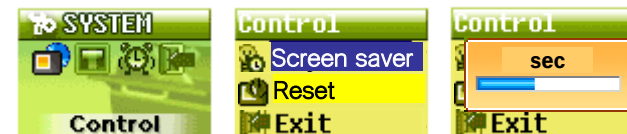
- You can format the flash memory to erase all stored files.



Control Menu

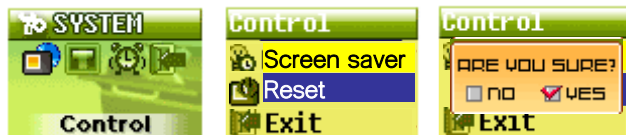
■ Screen Saver

- You can set the amount of time the backlight time stays on after a key press. The range is from 0 sec to 60 sec.



Control Menu

■ Reset



Control Menu

■ LCD Color

- You can adjust LCD Color each as Red, Green, Blue parts.



Timer Menu

■ Power Save

- You can set the player to automatically turn off if the player isn't playing any music.
- It is just for Music Mode.



Timer Menu

■ Sleep

- You can set the player to sleep automatically.
- The music will turn off even if the player is playing off.

