


## Voice Mode

### Volume Control

Press the +/- [  ] button briefly to increase the volume by 1 step, or hold the button to increase the volume continuously.






### Warning

- Do not increase the volume too high during playback when using an earphone. Your hearing ability can be impaired.
- Turn the volume down first and increase to the one you want.

### File Move/Search/Select (FF/REW)

Move to, search for or select the file.

- Move Forward or Backward: Press the FF/REW [  ] button briefly during playback.
- Search: Press the FF/REW [  ] button during playback and hold it to move forward or backward.
- Select Previous/Next File: Press the FF/REW [  ] button once briefly when the player is stopped.




REW ← → FF



**MP3**  
PLAYER



## Voice Mode

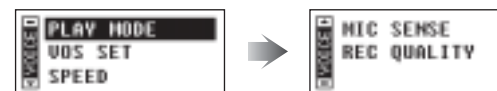
### VOICE MENU

When pressing the menu button longer, the voice menu will be appeared in the VOICE mode. Can select the VOICE menu using the FF/REW [  ] button and then can enter into the VOICE MENU using the MENU [  ] button. Using the REC [  ] button can be back to previous mode.



### VOICE MENU ITEM

For moving the items, use the +/- [  ] button and for entering the detailed menu, use the MENU [  ] button.




### - PLAY MODE

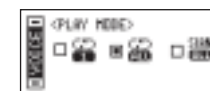
\*ONE REPEAT : Play back the only selected file repetitively.

\*ALL REPEAT : Play back all selected files repetitively.

\*SCAN ALL : Play back all files repetitively like ALL REPEAT, but only play back for 10 seconds.

Altered data is saved when the power is turned ON/OFF.

While playing back, PLAY MODE can be changed by pressing the REC [  ] button longer.



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## Voice Mode

### - VOS(Voice Operated Recording System) SET

Only record when there is sound so that it saves memories.



### - SPEED

Can change the play speed in the current file.

The altered data does not save when power turns ON/OFF, and can change while playing.



### - MIC SENSE

\*HI" : Can record any sound.

\*LOW : Only record loud sound.

Can change the MIC SENSE while recording.



### - REC QUALITY

Tone quality of recorded files can be changed by using HQ (HIGH QUALITY) / LQ (LOW QUALITY)

Cannot change the REC QUALITY while recording.



LQ : The file is saved as VOC\*\*\*.CLL

HQ : The file is saved as VOC\*\*\*.CLH

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## Radio Mode

### Basic Functions

#### ■ Scanning FM Frequency

Scan the frequency of the broadcasting to listen.

- Automatic frequency scanning

Press the FF/REW [ ] button longer once and hold it to scan the frequency automatically while you're listening to the radio.

- Manual frequency scanning

Press the FF/REW [ ] button once briefly while listening to the radio.

#### ■ Volume Control

Press the +/- [ ] button shortly to increase the volume by 1 step, or hold the button to increase the volume continuously.



### Warning

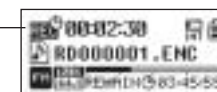
- Do not increase the volume too high during playback using an earphone. Your hearing ability can be impaired.
- Turn the volume down first and increase to the one you want.

#### ■ FM Recording

Record the radio channel that you're currently listening to.

Record: Press the REC [ ] button once briefly.

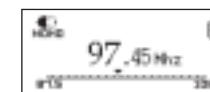
Stop: Press the REC [ ] button once briefly again.



recording time  
in progress

**Recording**

currently available  
recording time



**Stop Recording**




## Radio Mode

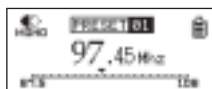
### Note

- ▶ FM Recoding files will be saved and identified by the letter "RDO00000.ENC" in the // ENC folder.
- ▶ You can play back the recorded file in a LINE-IN mode.

### Automatic Preset Saving (AUTO SCAN)

Scan the FM broadcasting service automatically and save it in a channel number 1 to 20.

1. Press the MENU [  ] button longer once while you're listening to the radio to enter into the menu mode. Select the AUTO SCAN, then the AUTO SCAN starts.
2. After completing the AUTO SCAN, it switches to the preset reception mode.






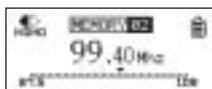
### Note

- ▶ If you select the Preset Auto Save mode, all the saved station will be cleared.
- ▶ All the available channels may not be detected in the weak FM reception area.

### Manual Preset Saving

Scan the FM broadcasting service manually and saves it in a channel number 1 to 20.

1. Find the frequency of the radio station to save in the general FM reception mode and press the PLAY/STOP [  ] button once briefly.
2. The MEMORY and the channel number are displayed at the LCD.
3. Select the channel number to save using the FF/REW [  ] button and press the PLAY/STOP [  ] button once briefly to save the station in the selected channel.





### Note

- ▶ If no channel has been saved, the EMPTY will be displayed.

## Radio Mode



### Tuning to the Saved Channel

Listen to the broadcasting by the channel saved in the Preset mode (Automatic/Manual).

1. Switch to the Preset mode by pressing the MENU [  ] button once briefly.
2. Press the FF/REW [  ] button once briefly in the Preset mode to move forward/backward in the channels.

### Deleting the Saved Channel (Deleting Preset)

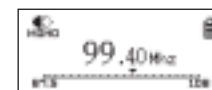
Delete the broadcasting channel saved by AUTO SCAN or manually.

1. Select a channel to delete using the FF/REW [  ] button in the Preset mode.
2. Press the REC [  ] button once for a long time.
3. The selected channel will be deleted and it will remain as an empty channel.

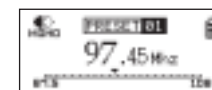
### Reception Mode Switching

You can switch between the Preset reception mode and the FM reception mode.

Press the MENU [  ] button once briefly.




General FM reception mode



Preset reception mode

### Switching MONO and STEREO Mode

Press the FUNC [  ] button once briefly in the Preset reception mode to switch the Mono and Stereo.

### Note

- ▶ The reception mode will be converted to MONO if you turn the power off.





## Radio Mode

### RADIO MENU

When pressing the MENU [  ] button longer, the RADIO MENU will be appeared in the RADIO mode. Can select the RADIO menu using the FF/REW [  ] button and then can enter into the MENU [  ] button. Using the REC [  ] button can be back to previous mode.



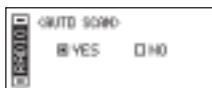
### RADIO MENU ITEM

For moving the items, use the +/- [  ] button and for entering the detailed menu, use the MENU [  ] button.



### AUTO SCAN (Automatic Preset Saving)

Scans the available broadcasting station and saves the found channel in the channel number 1 to 20.



### AREA (Area Setting)



#### Note

► Available frequency band according to area


Area	Frequency Band	Mobile Frequency Unit
Others	87.5 MHz ~ 108 MHz	50 KHz
Japan	76 MHz ~ 90 MHz	50 KHz
USA/Korea	87.5 MHz ~ 108 MHz	100 KHz

## Line-In Mode

### Basic Functions

■ You can play back the recorded file (RDOXXXX.ENC) in the radio mode and record (LINXXXX.ENC) the sound entered from the exterior through LINE-IN.


### Play/Stop

Playback: Select the file to play back when the player is turned on, and press the PLAY/STOP [  ] button once briefly.

Stop: Press the PLAY/STOP [  ] button once briefly.






### Volume Control

Press the +/- [  ] button briefly to increase the volume by 1 step, or hold the button to increase the volume continuously.



### File Move/Search/Select (FF/REW)

Searches for or selects the file.

- Move Forward or Backward: Press the FF/REW [  ] button briefly during playback.
- Search: Press the FF/REW [  ] button during playback and hold it to move forward or backward.
- Select Previous/Next File: Press the FF/REW [  ] button once briefly when the player is stopped.

REW ← → FF




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PLAYER



## Line-In Mode

### ■ Recording

Record a voice or a sound by line connected to the set.

Record: Press the REC [  ] button once briefly.




Stop: Press the REC [  ] button once briefly again.




#### Note

- ▶ LINE-IN Recording files will be saved and identified by the letter "LIN00000.ENC" in the // ENC folder.



### ■ LINE-IN MENU

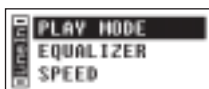
When pressing the MENU [  ] button longer, the LINE-IN MENU will be appeared in the LINE-IN mode. Can select the LINE-IN menu using the FF/REW [  ] button and then can enter into the LINE-IN MENU using the MENU [  ] button.

Using the REC [  ] button can be back to previous mode.



### ■ LINE-IN MENU ITEM

For moving the items, use the +/- [  ] button and for entering the detailed menu, use the MENU [  ] button.



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## Line-In Mode

### - PLAY MODE


\*ONE REPEAT : Play back the only selected file repetitively.

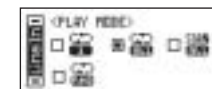
\*ALL REPEAT : Play back all selected files repetitively.

\*SCAN ALL : Play back all files repetitively like ALL REPEAT, but only play back for 10 seconds

\*RANDOM PLAY : Play back all files randomly.

Altered data is saved when the power is turned ON/OFF.

While playing back, the PLAY MODE can be changed by pressing the REC [  ] button longer.




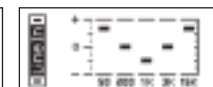
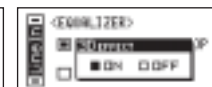
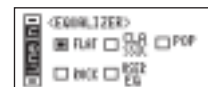
### - EQUALIZER

Can select tone color for any special music characteristic.

(FLAT, CLASSIC, POP, ROCK, USER)

The altered data is saved when the power is turned ON/OFF.

When music plays back or stops, the EQUALIZER can be changed by pressing the FUNC [  ] button.



### - SPEED

Can change the play speed in the current playing music.

The altered Data does not save when power turns ON/OFF, and can change while playing.

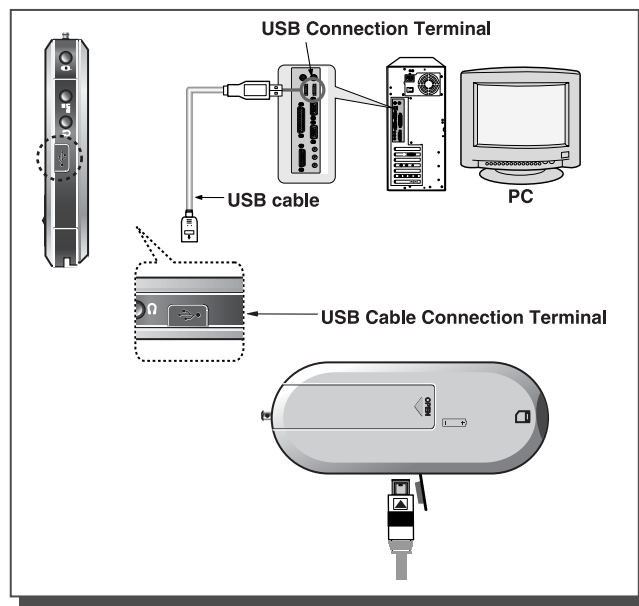


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## Connecting to a PC

Connect the player to your PC using the USB cable, as shown in the following figure.



### Warning

► Connect the USB cable to the PC after checking the shape of the player's USB connection terminal. If you apply excessive power in inserting the cable, the product or your PC can be damaged seriously.

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## Firmware upgrade and Fonts download

### ■ Manager Program Installation Program

Take the following steps to install the program used for player's firmware upgrade and download.

1. Select the Manager in the E:/-> manager ->install



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## Firmware upgrade and Fonts download

2. Turn the player on -> Enter the MENU -> SYSTEM -> UPGRADE-> Select YES -> Connect to your PC using USB cable -> Click the Next button.



3. Search the manager in E: drive and press the Next button.



## Firmware upgrade and Fonts download

4. Press the next button.



5. Press the Continue Anyway button.





### ■ Firmware upgrade

1. Turn the player on -> Enter the MENU -> SYSTEM -> UPGRADE-> Select YES  
-> Connect to your PC using USB cable. ->Select the Manager in the E:/.



2. Select the MP3 Explr.





## Firmware upgrade and Fonts download

3. Select the Upgrade Application Code in the Tool.

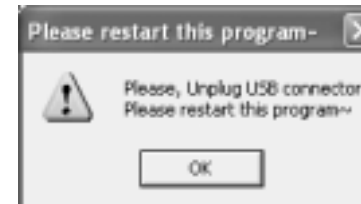


4. Select the ums.hex and then download.



## Firmware upgrade and Fonts download

5. Click the OK button.



6. Remove the USB cable. Remove the battery and insert again.





## Firmware upgrade and Fonts download

### ■ Fonts download

1. Turn the player on -> Enter the MENU. -> SYSTEM -> UPGRADE-> Select YES  
-> Connect to your PC using USB cable. ->Select the Manager in the E:/.  
-> Select the MP3 Explr. -> Tool -> TCC730 LCD Font a Erase Font
2. First erase your previous fonts.

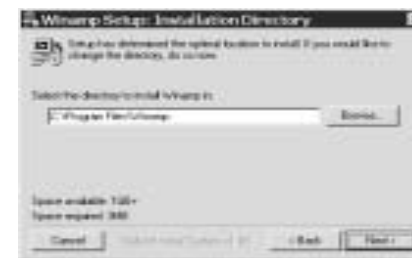
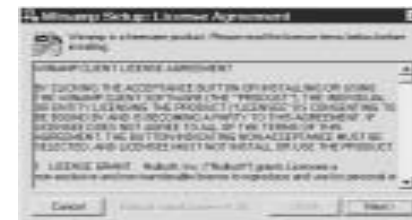


3. Tool -> TCC730 LCD Font -> Download Font-> Search the Fonts file in CD.  
-> Select the UNICODE.190.



## Making Lyrics Files

Instructions for Lyrics file making  
It operates only within Winamp2.9x version. Install as instructed below.





## Making Lyrics Files



Once winamp installation is complete, install two types of plugin as follows (Lyrics3 plugin Vxxx.exe and Lyrics3 editor Vxxx.exe)





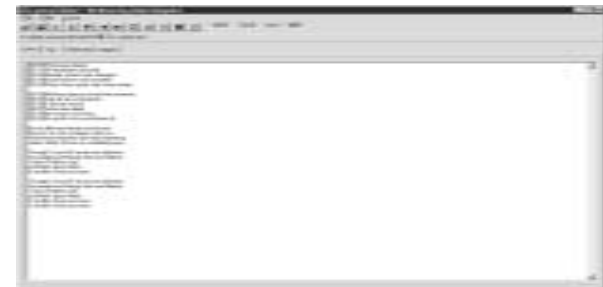
## Making Lyrics Files

Once the installation is complete, run Winamp again and following will be displayed. Open the MP3 file for lyric input. Following lyrics screen should be converted to editor mode using display screen.

Convert to  editor mode





Attach a file from other sources as instructed bellow. Run winamp, and play selected music file. Once you see a lyric that matches the specific playtime, click on  icon to insert. time stamp. If not, scroll back play button on winamp and  click again.





## Making Lyrics Files

For the last, save  selected file and press play  button for proper operation. The bar indicating playtime will go down as music plays. Download selected file to mr-I900 and play.



## Troubleshooting

Please check the following points if the player fails to run properly.

Symptom	Reasons	Corrective Actions
<b>Nothing appears on the LCD</b>	Is the battery exhausted?	Replace with a new one.
	Is the battery polarity is correct?	Check the polarity. (+/-)
<b>Unable to record.</b>	Is the HOLD button on?	Release the hold mode.
	Is the memory is enough?	Remove the unnecessary files.
	Is a battery exhausted?	Replace with a new one.
<b>Unable to play back</b>	Is the HOLD button on?	Release the hold mode.
	Is there anything saved in the player?	Check the file number.
	Is a battery exhausted?	Replace with new one.
<b>No sound heard from the earphone</b>	Is the volume set to 0?	Set the volume.
	Is an earphone plugged properly?	Plug in the earphone completely.
<b>Unable to upload/download a file</b>	Is the driver installed properly?	Install the driver with installation CD.
	Is the USB cable plugged properly?	Plug in the USB cable completely.



## Specifications

Item		Specification		
Model Name		MR-L900E	MR-L900F	MR-L900G
Memory Capacity		64 MB	128 MB	256 MB
Max. Recording Time		500 Min	1033 Min	2100 Min
Battery Lifetime		MP3 Playback: 6H 40M, Voice Recording: 6H 30M, FM Reception: 10H 30M		
Data Rate		8 Kbps ~320 Kbps, VBR		
Supported	MP3	MPEG 1, 2, 2.5, WMA		
File Format	Voice	RECORDING		
Earphone		16 Ohm		
USB Cable		PC Interface USB 1.1		
LCD		Graphic (128*48) 3 Line LCD		
Supported Language		Korean, English, Japanese and Chinese		
Practical Max. Output		6 mW		
FM Frequency Range		87.5 Mhz~108 Mhz		
Dimensions		31x95x17.4 mm (WXHxD)		
Weight		32g (excluding battery)		
Storage Media		Imbedded Flash Memory		
Power Supply		1.5V AAA Alkaline x 1 EA		
Operational Temperature		0 °C ~ 40 °C		
Accessories		User's Manual, Earphone, AAA Alkaline Battery (1EA), USB cable, Installation CD, Necklace String		

※ Product specifications and appearance are subject to change for product improvement without a prior notice.

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## Note

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.

**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.

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