

# **Kaito**

## **KA1121**

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Printed in China, 2007 V1.0

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Version 1.0, Printed in China

## **OPERATION MANUAL**

The KAITO KA1121 is a frequency synthesized radio receiver with an integrated MP3 recorder/player that covers longwave, AM, shortwave, FM and NOAA weather radio bands. The MP3 player can be used to record what is received on the radio or it can be used as a conventional stand-alone MP3 player.

### **What's included with the KA1121?**

Kaito KA1121 radio with built-in MP3 player  
Soft case  
Quick reference guide  
User Manual  
AC adaptor  
3 AA rechargeable (TYPE?) batteries  
DF6 Ni-MH rechargeable battery for the MP3 player  
Stereo earphones  
External wire antenna  
Warranty card  
Installation CD-ROM  
USB cable

### **MAIN FEATURES**

The radio and MP3 player can work as a single integrated unit or can be used independently of each other.

A built-in timer exists to control the on/off switching of the radio and MP3 player.

FM direct recording and external microphone recording is possible using the MP3 player.

Alphanumeric display of up to 100 user-set station names, 400 frequency memories.

LW/MW(AM)/SW dual conversion technology for superior reception results.

PC-based editing of the receiver's frequency and station name memories.

Local, normal and distant radio sensitivity settings.

Fast/slow tuning speed selection.

External antenna jack.

28x64 matrix LCD display.

MP3 player supports WAV and WMA formats.

MP3 or microphone standalone MP3 player recording.

MP3 player A-B repeat function.

Four playback cycle modes, 6 equalizer configurations for the MP3 player.

Built-in high quality speaker

Power Supply: 3 'AA' Batteries (Radio), 1 DF6 Battery (MP# unit) and AC Power Adapter.

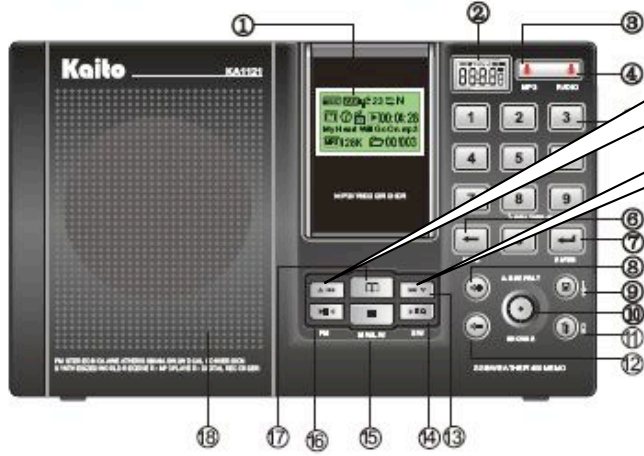
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LOCATION OF CONTROLS

LOCATION OF CONTROLS

COMBINED RADIO RECEIVER AND MP3 PLAYER



These keys appear to be "drawn" wrong on this page of the manual

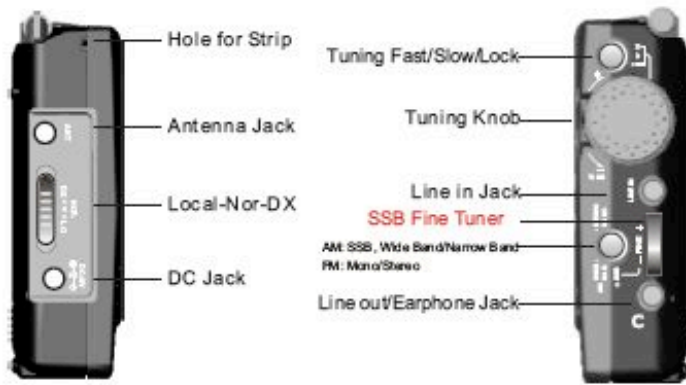
① Main Display	⑫ VOL-
② Sub Display	⑬ Select, Frequency Step
③ Radio Selector	⑭ EQ Mode, SW Band
④ MP3 Player Selector	⑮ Stop, MW Band
⑤ 0-9 Number Buttons	⑯ Play, FM Band
⑥ Exit/Mute	⑰ Menu
⑦ Enter	⑱ Speaker
⑧ VOL+	
⑨ Lock, Save	
⑩ Record, A-B Repeat, Browse	
⑪ Charge, Delete	

#5 should read "Numeric Keypad"

\*\*\*FIX THE SPELLING ON 'LOCATION'

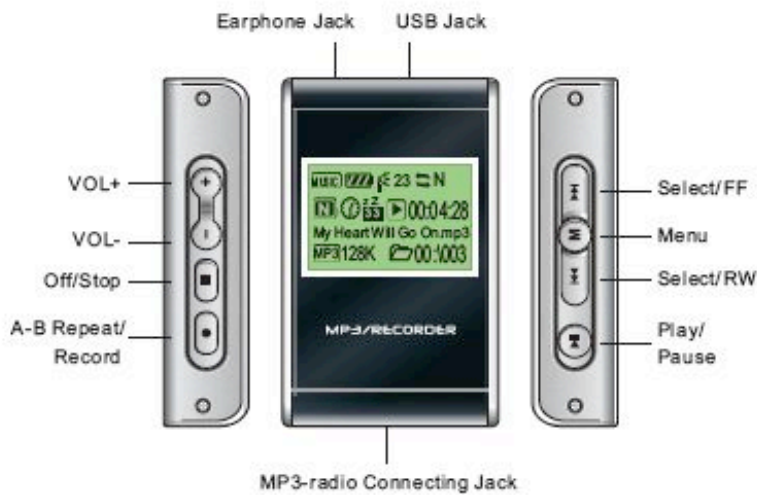
## LOCATIOIN OF CONTROLS

## LOCATION OF CONTROLS



Hole for **Strap**

## MP3 PLAYER



## POWER SUPPLY

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### ► Power the Radio by Batteries

#### ● Battery Installation for Radio

1. Open the lid of the battery compartment on the back of the radio.
2. Insert 3 AA alkaline batteries (Or rechargeable batteries) according to the polarity sign on the inside.
3. Close the lid.

#### ● Battery Installation for MP3 Player

1. Open the lid of the battery compartment on the back of the little MP3 player.
2. Insert supplied Ni-MH batteries into the compartment, make sure you put them in a correct polarity.
3. Close the battery compartment lid .

**Note:** When use the MP3 and the radio ,you need to have the DF6 installed for the MP3 player incase of the power failure or cutoff.

#### Notes on using Batteries

- ◆ Don't try to charge the dry batteries.
- ◆ Don't mix old and new batteries to use together.
- ◆ Take the batteries out if you don't use them for a while.
- ◆ Don't use Non-rechargeable battery with AC adaptor plugged in.
- ◆ In case of the battery leakage, please clean the battery compartment immediately to avoid damage to the radio circuit.
- ◆ Please note, to receive AM or SW, it is better to use battery, the AC adaptor may cause noise and interfere the reception.

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## Powering the Radio with Batteries

1. Open the battery compartment on the back of the radio.
2. Insert 3 "AA" batteries (alkaline or rechargeable). Note polarity signs inside the battery compartment.
3. Close the lid

### Installing the Batteries for the MP3 Player

1. Open the battery compartment on the back of the MP3 unit.
2. Insert the supplied DF6 NiMH battery. Note the polarity signs inside the battery compartment.
3. Close the battery compartment lid

### Notes on using Batteries

**NOTE:** When using the MP3 unit with the radio, the DF6 battery must be installed in the MP3 unit in order to prevent shutdown in the event of a power failure.

Do not try to charge dry (alkaline) batteries.

Do not mix old and new batteries together.

Take the batteries out if you don't plan to use the radio for a long period of time.

Do not use non-rechargeable batteries with the AC adaptor plugged into the unit.

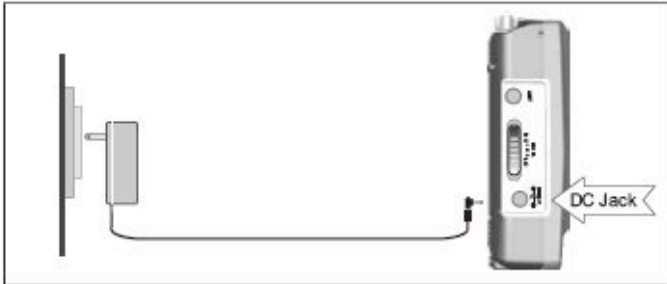
In case of battery leakage, please clean the battery compartment immediately to avoid damage to the radio circuits.

It is best to use batteries when listening to AM or SW bands, as the AC adaptor may cause noise or interfere with reception.

## POWER SUPPLY

---

### ► Power the Radio by AC adaptor



1. Plug the supplied AC adaptor to an AC outlet as shown above.
2. Plug the other end to the Radio "DC Jack" .

- ◆ It is normal that the AC adaptor gets warm when use it.
- ◆ The inside battery will be cut off when the AC adaptor is plugged in.
- ◆ If you use the AC adaptor for a daily use,take the batteries out.
- ◆ Please use the supplied AC adaptor only.The software is designed based on the supplied adaptor.

### Powering the Radio with the AC Adaptor



1. Plug the supplied AC adaptor to an AC outlet as shown above.
  2. Plug the other end into the Radio's "DC Jack".
    - It is normal for the AC Adaptor to become warm during use.
- The Radio's internal batteries will be cut off when the AC Adaptor is in use.
  - If you employ the AC Adaptor for daily use, remove the Radio's batteries.
  - Use the supplied AC Adaptor only. The Radio's software is optimized for use with this adaptor only.

## USE THE RADIO AND Mp3 PLAYER TOGETHER


Use both Radio and MP3 Player:


- . Watch the Display LCD for each step.
- . Connect the MP3 player and the radio correctly.
- . Insert batteries into the radio before turn it on.


### **Adjust the Radio Clock**



When the radio is turned OFF, press <  > once to get into time setting mode, note the sub-display, it shows SET and press this key <  > again to enter key-in mode, select 1-9 for time input. You have to choose 01:30 for 1:30.

### **Power On/Off and Change the work mode**

Power On: Press <  > once to turn on the radio and the system enters radio mode.

Power Off: When in radio mode, short press <  > to turn off the radio.




To turn off main LCD display, in radio mode, hold and press <  > long to power off the main LCD display.

Change the working mode: In radio mode, press <  > short to switch to MP3 mode; When in MP3 mode, press <  > short to switch to Radiomode.

### **Note:**

When the unit is working, please don't plug or unplug the MP3 player to avoid damage to the player.

### **Volume Control**

- . Increase Volume: Press <  > short.
- . Decrease Volume: Press <  > short.
- . Mute: Press <  > short.

## USING THE RADIO AND MP3 UNIT TOGETHER

1. Observe the LCD screen during each step.
2. Attach the MP3 unit to the Radio
3. Supply power to the Radio (AC or Batteries) before turning it on.

### **Adjusting the Radio Clock**

When the Radio is turned OFF, press < button 7 > once to get into "Time Set" mode. The sub-display will show "SET". Press < button 7 > again to get into "Entry" mode. Use the Numeric Keypad to enter the time. Example: you will have to type "0 1 3 0" for "1:30".

### **Power ON / OFF and Change Operating Mode**

1. Power ON: Press < button 4 > once to turn Radio ON. The system will enter "Radio" mode.
2. Power OFF: In "Radio" mode, press < button 4 > once to turn Radio OFF.
3. Turn off Main LCD screen: In "Radio" mode, press and hold < button 4 > until the main LCD screen shuts off.
4. Change operating mode: In "Radio" mode, press < button 3 > to switch to "MP3" mode. In "MP3" mode, press < button 4 > to switch to "Radio" mode.

**NOTE:** To avoid damage to the MP3 unit, do not insert or remove the MP3 unit while either unit (Radio or MP3) is turned ON.

### **Volume Control**

1. Increase Volume: Press < button 8 >.
2. Decrease Volume: Press < button 12 >.
3. Mute: Press < button 6 >.



## USE THE RADIO AND Mp3 PLAYER TOGETHER

### ▶ Key Lock and Unlock

1. Lock: Press <button 9> long, the sub-display will show the lock. →
2. Unlock: Press <button 9> long to unlock the key.

Note: When the key is locked, all the keys are inactivated.

### ▶ Menu features

On the radio mode, press <button 17> to enter the main menu:



Press <button 13a> or <button 13b> short to select menu;

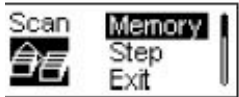
Press <button 17> short to enter the next menu.

### ▶ Search Stations

#### Search by Station Name

There are total one hundred stations, in each station, you can save 4 frequencies. So you can save up to 400 frequencies.

1. Select search mode: After enter the radio main menu, select "Search", press <button 17> short to search stations.
2. Select "Memory", press <button 17> short to confirm.



Press <button 13a> or <button 13b> short to change different stations.

Press <button 16> or <button 14> short to change frequencies under the same station name. (Or the same page)

See other ways of search on page 14.

## USING THE RADIO AND MP3 UNIT TOGETHER

### Key Lock and Unlock

1. Lock: Press and hold <button 9>. The small LCD will show the "lock" <symbol> symbol.
2. Unlock: Press and hold <button 9>. The "lock" <symbol> symbol will disappear from the small LCD.

**NOTE:** When Key Lock is engaged, all keys are inactivated.

### Menu Features

In "Radio" mode, press <button 17> to enter the main Menu.

Press <button 13a> or <button 13b> to select Menu. Press <button 17> to access the next Menu.

### Searching by Station Name

There are a total of 100 memory preset stations available in each of 4 frequency bands, for a total of 400 memory presets.

1. Select "Search" mode: After entering the Radio main Menu, press <button 17> to search stations.
2. Select "Memory", then <button 17> to confirm.

Press <button 13a> or <button 13b> to change stations.

Press <button 16> or <button 14> to change frequencies under the same station name (Or the same page).

**See Page 14 for other ways to search.**

## USE THE RADIO AND Mp3 PLAYER TOGETHER

### Search by Band

There are two ways to search a station in a menu, only in Step mode, you can change the band. Here is how to search a station id switch between the bands.

In radio mode, open the menu browser and enter search mode by select "Search" ,short press< [M] > to enter the search mode. Select "Step" ,short press< [M] > to confirm the step search. Press< [FM] > or< [AM] > short to search stations.



3. Press< [M] > to choose bands, press < [FM] > for FM band, press< [AM] > for AM band and press< [SW] > for SW bands.

You can easily change the band by selecting these 3 band buttons. For LW(140KHz-510KHz), key in the frequency and then use the shuttle "Knob" to tune in stations, or use< [FM] > or< [AM] > to select station.

### Station Management

#### Browser

Use this browser to look at the saved stations and its frequencies.

In the radio mode, press< [M] > to open the browser, select "Station" to enter station manager, short press< [M] > to enter next page.

Select "browser" ,short press< [M] > to confirm.



Short press< [FM] > or< [AM] > to look station names, short press< [FM] > or< [AM] > to see the 4 frequencies under the same station name.

Note: For quick reference, see the page 15 for more information.

## USING THE RADIO AND MP3 UNIT TOGETHER

### Searching by Band

There are two ways to search for a station in the Menu. You can only change the band while searching in "Step" mode. Here is how to do it:

1. In "Radio" mode, access the Menu and press <button 17> to enter "Search" mode.
2. Select "Step", and press <button 17> to confirm. Press <button 13a> or <button 13b> to search for stations.
3. Press <button 16> to choose bands. Press <button 16> for FM, <button 15> for AM, or <button 14> for SW bands. You can easily change the band by selecting one of these three buttons.
4. For LW (140KHz - 510KHz), use the Numeric Keypad to type in the frequency, and then use the Tuning Knob to tune specific stations. Alternately, you may use <button 13a> or <button 13b> to select stations.

### Station Management Browser

Use the Browser to view saved stations and their frequencies.

1. In "Radio" mode, press <button 17> to open the Browser. Select "Station" to enter Station Manager, then press <button 17> to enter the next page.
2. Select "Browser," then press <button 17> to

confirm. Press <button 13a> or <button 13b> to view station names, or press <button 16> or <button 14> to see the four frequencies under the same station name.

**NOTE:** See the quick reference guide on Page 15 for more information.

USE THE RADIO AND Mp3 PLAYER TOGETHER

Save

To save the selected frequency to a desired station name.

1. Search for a desired station.
2. In the radio mode, open the menu and enter "station" for station management, short press < [M] > to enter next stage.
3. Select "Save", short press < [S] > to enter station you want to save the frequency.



Press < [T.M] > or < [M.P] > to select station names; Short press < [S] > to select a position to save the frequency, the frequency there will be override by the new frequency.

4. Short press < [M] > to save.

Note: See the quick reference guide on page 15.

Delete

To delete unwanted stations, follow the steps below.

1. Enter the main menu under station mode, select "station", press < [M] > to enter next menu.
2. Select "delete", short press < [M] > to enter frequency selectoin, press < [T.M] > or < [M.P] > to select station and press < [M] > or < [P.R] > to select frequency that you want to delete.



3. Press < [M] > to confirm deletion.

Note: For more info, refer to the quick guide on page 15. To delete or update station name, follow the steps in the FREQ.TXT.

USING THE RADIO AND MP3 UNIT TOGETHER

Save

To save a frequency to a desired station name.

1. Search for a desired Station
2. In "Radio" mode, access the Menu and select "Station" for station management, then press < button 17 > to go to the next step.
3. Select "Save", then press < button 17 > to enter the station where you want to save the frequency.

Press < button 13a > or < button 13b > to select station names. Press < button 14 > to select a memory position to save the frequency. Any frequency already in that memory position will be overwritten by the new frequency.

4. Press < button 17 > to save.
- NOTE: See the quick reference guide on Page 15 for more information.

Delete

To delete unwanted stations, follow the steps below:

1. Enter the Main Menu under "Station" mode, then select "Station" and press < button 17 > to access the next menu.
2. Select "Delete," then press < button 17 > to enter the frequency selection. Press < button 13a > or < button 13b > to select station, then press < button 16 > or < button 14 > to select the frequency that you want to delete.
3. Press < [M] > to confirm deletion.




**NOTE:** See the quick reference guide on Page 15 for more information. To delete or update station names, you can also follow the steps in FREQ.TXT file available on the CD.



## USE THE RADIO AND MP3 PLAYER TOGETHER

### Import Preset Station Names and Frequencies

You can edit the station names and frequencies in the **FREQ.TXT** file, then save it to the MP3 player, then use the import function to load it to the pages preset in the memories. After connect the MP3 player with a computer, you download the **FREQ.TXT** file to the MP3 player by following the steps below:

1. Edit the **FREQ.TXT** file, you can change the names of each page (P00 -P99), and preset 4 frequencies in each page.
2. Connect the MP3 Player to a computer, open the MP3 as a storage and save the **FREQ.TXT** to the storage.
3. Disconnect the MP3 Player from the computer, replace the MP3 Player to the radio. Turn on the Radio by press <  >, on the main LCD, open the menu and select "Station", press <  > to enter.
4. Select "import", press <  > to start importing. (The saved



**FREQ.TXT** file will be copied to the radio's memory and change all the memory listing.)The LCD shows "Wait....", Wait till it is done.

After the import, you can see that each page is updated by the **FREQ.TXT** file, all the shown stations are changed to the preset ones in the **FREQ.TXT** file.

On the Weather page, Page 98 and Page 99 might be changed, if they are not showing the correct weather band, please reset the radio to get the Weather stations back to the memory. To reset the radio, just take the radio batteries out for 1-3 minutes, then put them back to the radio, the page 98 and page 99 will be set back to the 7 weather stations.

#### • Recording

You can record the broadcasting that you are listening. The time length of recording depends how big the memory left on the MP3 player and what kind of sound quality you want to record. There are 3 recording choices: 32/80/128 kbps( Kilo bytes Per Second).

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## USING THE RADIO AND MP3 UNIT TOGETHER

You can edit the station names and frequencies in the **FREQ.TXT** file, save the **FREQ.TXT** file to the MP3 unit, then use the "Import" function to load it to the Radio's preset memory. Use the following procedure:

1. Edit the **FREQ.TXT** file. You can change the names of each page (P00 - P99), and preset 4 frequencies in each page.
2. Connect the MP3 unit to the computer, open it as a storage device, and save the **FREQ.TXT** file of the MP3 unit.
3. Disconnect the M3 unit from the computer and replace it in the Radio. Turn on the Radio by pressing <button 4>. On the main LCD, access the Menu, select "Station," and press <button 17> to enter.
4. Select "Import" and press <button 17> to start importing. (The save **FREQ.TXT** file will be copied to the Radio's memory and update all the memory listings. The LCD will show "Wait . . ." until it is complete.

After importing, all pages in the Radio's memory will be changed according to the presets in the **FREQ.TXT** file.




The Weather Pages (P98 and P99) might be changed. If the Weather Pages do not show the correct weather bands, please reset the Radio. This will get the default Weather stations back into the Radio's memory. To reset the Radio, simply remove the batteries for 1 to 3 minutes, then re-install them. Page 98 and Page 99 should be reset to the 7 correct Weather stations.

#### • Recording

You can record the current broadcast. The duration of the recording depends on the amount of free memory left on the MP3 unit and the sound quality you wish to record. There are 3 sound quality choices: 32 kbps, 80 kbps, and 128 kbps. (kbps = kilobytes per second)

## Page Ten:


### USE THE RADIO AND MP3 PLAYER TOGETHER

1. Open the menu in radiomode, select "Recorder" ,press<  > to select sound quality(MP3 32kbps,MP3 80kbps,MP3 128kbps), short press<  >or<  >to select kbps.



2. To select sound quality, for shortwave, 32kbps is good enough, for FM stereo,

Choose 80 or 128 kbps. The higher kbps, the better sound quality, but the **shorter** time can be used on the MP3 player.

3. Quick Record: If you do not need select recording quality, long press<  >, you can enter 32kbps MP3 recording directly.



#### Notes :

- ▶ Check the battery before you start recording, make sure you have good battery to record the sound as you need.
- ▶ It is recommended to record each clip less than 1 hour for easy management later on.
- ▶ And It is normal to get interference while recording.


#### ● LCD Setting

##### LCD

On the LCD, in the menu you can set the contrast and the backlight of the LCD

1. Enter menu on radio mode, select "Setting" ,short press <  > to enter.
2. Select "LCD" ,short press<  >to enter LCD setting, this can set the contrast,blacklight time,and screen protection program.



3. Press<  > to enter next page.

### USING THE RADIO AND MP3 UNIT TOGETHER

1. Open the Menu in "Radio" mode and select "Recorder." Press <button 17> to select sound quality (32/80/128 kbps), then press <button 13a> or <button 13b> to select the one you want.
2. For Shortwave 32 kbps is good enough. For FM stereo, select 80 or 128 kbps. Sound quality will be better with a higher kbps, but recording time will be shorter.


**3. Quick Record:** if you do not need the specify the recording quality, press and hold <button 10>. You will automatically enter 32 kbps recording mode.

#### NOTES:

- Check the battery prior to recording. Make sure you have enough battery life to record the quality and duration you desire.
- It is recommended to record clips of less than 1 hour duration for ease of management.
- It is normal to get interference while recording.

#### Adjusting the LCD

The Menu will allow you to set the contrast and backlight for the LCD.

1. Access the Menu in "Radio" mode. Select "Setting" and press <button 17> to enter the next menu.
2. Select "LCD" and press <button 17> to enter your desired LCD settings. This includes contrast, backlight time, and screen protection program.
3. Press<  > to enter next page.

## Page Eleven:

### USE THE RADIO AND MP3 PLAYER TOGETHER

Back Light Time: Select Time that backlight is on.

Contrast: Adjust LCD contrast.

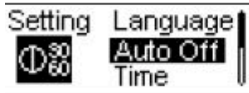
Screen Saver: Turn on or off the LCD.

4. Press <[M]> to confirm the selection.


#### Automatic Power Off

This feature can help select auto power off time from 10 to 60 minutes or never power off. When the preset time is due, the radio turns itself off automatically.

1. Open the menu on radiomode, select "Setting", press <[M]> to enter the set mode.
2. Select "AutoOff", press <[M]> to enter.



3. Select the time you need, press <[V]> or <[A]> to select.
4. Short press <[M]> to confirm.

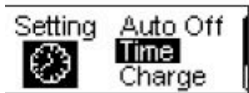
Note: After set auto off time, the main display count down .

#### Time Set

To adjust time, timer and auto power on or off.

#### Clock

1. In radio mode, open the menu, select "Setting", short press <[M]> to enter the setting mode.
2. Select "Time", short press <[M]> to enter the setting mode. Select "Clock", you are prompted with a time enter display. Enter the time you want to set. As soon as the time is entered, it exits the Time Set mode and gets back to radio mode.



1

### USING THE RADIO AND MP3 UNIT TOGETHER

**Backlight Time:** Select the duration for the backlight to remain on.

**Contrast:** Adjust the LCD contrast.

**Screen Saver:** Turn ON or OFF the LCD.

4. Press <button 17> to confirm your selection.

#### Automatic Power Off

This feature allows you to select a power-off time of 10 to 60 minutes, or even indefinite. When your selected preset time is up, the radio turns itself off automatically.

1. Access the Menu in "Radio" mode and select "Setting." Press <button 17> to enter "Set" mode.
2. Select "AutoOff" and press <button 17> to enter.
3. Find your desired Auto Off time, then press <button 13a> or <button 13b> to select it.
4. Press <button 17> to confirm your selection.

**NOTE:** After setting an Auto Off time, the main display will count down <symbol>.

#### Time Set

To adjust Clock, Timer, and Auto Power ON or OFF.

1. Access the Menu in "Radio" mode, select "Setting," and press <button 17> to enter "Setting" mode.
2. Select "Time" and press <button 17> to enter "Setting" mode. Select "Clock." You will be prompted with a time entry display. Use the Numeric Keypad to enter the time you want. As soon as the time is entered, the Radio automatically exits "Time Set" mode and returns to "Radio" mode.



USE THE RADIO AND MP3 PLAYER TOGETHER

Note:
. If there is no entry for 3 seconds, the Time Set mode will exit and keep the previous time. If you want to set it, you have to start all over again from step 1.
. MM/DD/YYYY is not set here, refer to the FREQ.TXT for better understanding.

Set Up Alarm 1

Enter the radio's main menu to select " Setting", press < [M] > shortly to enter the setting mode.
. Select " Time", press < [M] > to enter, then select "Alarm1".



After you enter the alarm set mode, you can set On/Off time and select what to turn on or off. Follow the steps below carefully.

Turn On Time: Press <0-9> numbers to input the time directly.

If you do not want to change the previous time, press < [M] > to enter next option. ( See the turn On Frequency)

After the time is set, you are prompted to enter band and frequency.

Turn On Frequency: After the time on the display, you need to select band. Press < [M] > , < [M] > or < [M] > to select your band; then press the number <0-9> to input the frequency you want to hear from (But weather stations are not available for the Alarm set up.). If you do not want to change the previous set frequency, just press < [M] > to skip and enter next option.

After the time and frequency are set, you can activate it or deactivate it.

To activate the Alarm 1 , press < [M] > , the sign < [M] > is shown, press it again, < [M] > is shown. < [M] > means to activate the alarm1 and < [M] > means to deactivate the Alarm1. If you do not want to change the previous setup, press < [M] > to exit the Alarm setup.

Exit : When the set arrow is at < [M] > sign, press < [M] > to exit the Alarm setup, or press < [M] > short to continue the next options.

USING THE RADIO AND MP3 UNIT TOGETHER

NOTES:

- 1. If there is no entry for 3 seconds, the Radio will exit "Time Set" mode and keep the previous time. To set the time, you must begin again from Step 1.
2. Date (MM/DD/YY) is not set here. Refer to the FREQ.TXT file on the CD for this feature.

Set Up Alarm 1

- 1. Access the Menu from "Radio" mode, select "Setting", and press <button 17> to enter the "Setting" mode.
2. Select " Time", press < [M] > to enter, then select "Alarm1".
3. Press <button 17> to enter "Alarm 1" setting mode.

After you enter "Alarm Set" mode, you can set the ON / OFF time and select what to turn ON or OFF.

-Auto ON Time: Use the Numeric Keypad to input the time directly. If you do not want to change the existing Auto ON Time, press <button 13b> to enter the next option. (See the "Auto ON Frequency")

After the time is set, you are prompted to enter "Band" and "Frequency".

-Auto ON Frequency: After setting the Time, you need to select the Band. Press <button 16> , <button 14>, or <button 15> to select the band, then use the Numeric Keypad to input the frequency you want to hear (NOTE: Weather stations are not available for Alarm Set Up). If you do not want to change the current frequency, just press <button 13b> to skip and enter the next option.

After the Auto ON Time and Frequency are set, you can activate or deactivate the feature.

- To Activate Alarm 1, press <button 17> - the symbol <symbol> is shown. This indicates the alarm is Activated. Press <button 17> again - the symbol <symbol> is shown. This indicates the alarm is Deactivated. If you do not want to change the existing setup, press <button 13b> to exit "Alarm Setup" mode.

- Exit: When the "Set" arrow is at the <symbol> symbol, press <button 17> to exit "Alarm Setup" mode, or press <button 13b> to continue to the next options.

USE THE RADIO AND MP3 PLAYER TOGETHER

When the turn on time is set up, follow the steps to select what device you want to turn on. You have 4 devices to turn on: 1. Turn on the radio, 2. Turn on the Radio and recorder in MP3 Player. 3. Turn on MP3 Player, 4. Turn on the Recorder with the built-in microphone.

To select Turn-On devices: After you enter the Frequency, press <[Symbol]>, to select. <[Symbol]> will turn on the radio only; <[Symbol]> will turn on the radio and start recording; <[Symbol]> will turn the built-in microphone to record the sound from outside; <[Symbol]> will turn on the MP3 player.

After you select the devices to be turned on, you can select the volume when the devices are turned on.

To change the Volume: After the device signs, the number shows the sound volume of the device when it is turned on, press <[Symbol]> or <[Symbol]> to adjust proper volume. There are 40 levels in total to set the volume.

When the sound volume is set, you can select the time that the device will play. That means the Off time.

Auto Power Off: After you select the volume, you can select the time you want the device to play. Enter a number from <0-9> to set the auto Off time. If you want to keep the previous set, just press <[Symbol]> short to exit and complete the Alarm 1 set. If you changed the number, when the number is entered, the Alarm set up is completed immediately and exit to the radio mode.

If the setting is successfully made, the small sign <[Symbol]> will show on the LCD. To understand better for the alarm set, please see the details definition as below.

3:00	107.10M	⊗	18:00	Turn On Time	▶	Turn On Status
▶	16	05	107.10M	Turn On Frequency	16	Turn On Volume
↶	Exit	⊗	Open/Close	05	Auto Off	

Note: To set up the Alarm 2 and Alarm 3, repeat the same procedures as above, just to start with Alarm 2 or Alarm 3. If you turn the MP3 player on as a recorder, it is easy to write the MP3 full, so it is better to use other device to turn on the system.

USING THE RADIO AND MP3 UNIT TOGETHER

When the Auto ON Time is set, follow the steps to select what device you want to turn on.

**You have 4 options:** 1. Radio, 2. Radio and MP3 unit Recorder, 3. MP3 unit, 4. Recorder with built-in microphone.

-To select the Auto ON device: After entering the Auto ON Frequency, press <button 17> to select the device. <Symbol> will turn on the radio only. <Symbol> will turn on the Radio and begin recording to the MP3 unit. <Symbol> will turn on the built-in microphone to record ambient noises. <Symbol> will turn on the MP3 unit.

After selecting the device to be turned on, you can select the Auto ON volume.

-Change the Volume: After selecting the device, a number appears showing the volume of the device when it comes on. Press <volume up> or <volume down> to adjust the volume to the proper level. The volume control has a 40-unit range.

When the Volume is set, you can select the Auto OFF time.

-Auto OFF Time: After selecting the Volume, you can select the Auto OFF Time. Use the Numeric Keypad to set the Auto OFF Time. To keep the existing setting, just press <button 13b> to exit and finish setting Alarm 1. If you wish to change the time, the Alarm setup is completed as soon as the number is entered, and the Radio returns to "Radio" mode.

4. If the setting is completed correctly, the symbol <symbol> will appear on the LCD. For more details on setting the Alarm, please see the following section.

Auto ON Time                      Auto ON Status

Auto ON Frequency    Auto ON Volume

Activate/Deactivate      Auto OFF

**NOTES:**

1. To set up Alarm 2 and 3, follow the same procedures, but begin by selecting Alarm 2 or Alarm 3.
2. It is easy to fill the MP3 memory by using the "MP3 Record" function in the "Auto ON" mode. Because of this, it is better to select a different device for the "Auto ON" feature.




## USE THE RADIO AND MP3 PLAYER TOGETHER




### • Battery Charging(Radio Charge)

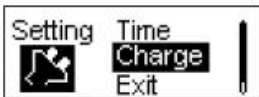
Install rechargeable **batteries** to the radio, and make sure the polarity is correct.

Method 1:



After plug the AC adaptor in, before turn on the radio or MP3 player, press <  > to charge the radio batteries.

Method 2:


1. Open the menu, in the browser find "Setng", short press <  > to select "charge".
2. Select "charge" to select charge mode, press <  > or <  > to make selection.



3. Select "radio" to charge the batteries for radio; select "MP3" to charge the Mp3 rechargeable battery.

4. Press <  > to start the charging, "  " shows the charging status.

Note:

In the method 1, long press , <  > to charge the MP3, see the detail charging, refer to page 21. For AA battery charging, the longest charging time is 10 hours.

### ► Radio Tuning

There are two ways of tuning the radio, 1. Step, to change the band and search the frequency under the selected band, 2. Memory, **only in the memory mode can you** select preset station and frequencies. Only in the step mode, you can change the band and step search for the frequencies.

To search for FM or SW, please fully extend the telescopic antenna for the best reception. For AM, turn the radio around for the best reception.

## USING THE RADIO AND MP3 UNIT TOGETHER

### Battery Charging (Radio)

Install the rechargeable batteries in the radio, making sure the polarity is correct. Plug in the AC adaptor in and connect it to the Radio. Leave the Radio and MP3 unit OFF. Press <symbol> to charge the Radio batteries.

1. Access the Menu in "Radio" mode and find "Setting" in the Browser. Press <button 17> to select "Charge".
2. To select "charge" mode, press <button 13a> or <button 13b>.
3. Select "Radio" to charge the Radio batteries. Select "MP3" to charge the MP3 battery.
4. Press <button 17> to begin charging. <Symbol> shows the charging status on the LCD.

**NOTE:** In Method 1, press and hold <button 17> to charge the MP3. Refer to Page 21 for charging details. AA batteries will charge for no more than ten hours.

### Radio Tuning

There are 2 ways to tune the radio: Step and Memory. Step: "Step" mode changes the band and searches the frequency under the selected band. You can change the band and step search for frequencies in "Step" mode only.




Memory: Only "Memory" mode allows you to select preset stations and frequencies.


To search for FM or SW stations, fully extend the telescopic antenna for best reception. For best AM reception, you may need to reposition the Radio.

## Page Fifteen:

### USE THE RADIO AND MP3 PLAYER TOGETHER

#### ► Input frequency direct to the radio

- Press  to empty the LCD display.
- Select the band you want, for example FM, press  to enter FM band.
- Enter the number you want to hear. For example, FM 107.10, just put <1><0><7><1>.
- Press  to confirm the entry.

Note: To delete last entry, use  key to go back.









#### • Swift Tuning

You can use the shuttle knob to make a swift tuning, so you can tune to the station quickly. Watch the frequency change in the LCD display, select step before use the shuttle knob, the sign shows in the sub-display (small LCD display), when you use FM, fast step is 0.1 MHz, and slow step is 0.05 MHz. Fast swift shows "◀" and low tuning shows "< ", < ■ > shows locked.

- Short press step selector on the right side of the radio.
- Long press to lock or unlock the step.
- Tune the swift knob to search for stations.
- When select fast step, the FM ranges in 88-108 MHz only, and shortwave range between meters only.

#### • Browsing the Stations

You can preview the stations on the LCD when you use the browser to view the station without interrupting your listening to any stations. You can view all pages and each frequency in that page.

- Short press  to enter browse page.
- Short press  or  to browse the station name.
- Short press  or  to browse between frequency in one station, select a certain you are desire to frequency, then short press  or  to switch to listen in this frequency.
- Short press  to exit.

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### USING THE RADIO AND MP3 UNIT TOGETHER

#### Inputting frequencies directly to the Radio.

1. Press <button 7> to clear the LCD.
2. Select the band you want: <button 16> for FM, <button 15> for AM, <button 14> for SW.
3. Use the Numeric Keypad to enter the number of the station you want to hear. To hear station 101.7, press <1> <0> <1> <7>.
4. Press <button 7> to confirm your entry.

**NOTE:** To delete the last entry, press <button 6> to go back.

#### Quick Tuning

You can use the Shuttle Knob to Quick Tune in order to find a station quickly. You can watch the frequency change in the LCD. Select the appropriate "Step" before using the Shuttle knob. The "Step" symbol shows in the small LCD. In FM, Fast Tune is 0.1 MHz, and Slow Tune is 0.05 MHz.

1. Press the "Step" selector on the right side of the Radio. <Symbol> indicates Fast Tune, <Symbol> indicates Slow Tune, and <Symbol> indicates Lock.
2. Press and hold the "Step" selector to lock or unlock the "Step" selector.
3. Turn the Shuttle Knob to search for stations.
4. In "Fast Tune" mode, the FM range is 88-108 MHz only, and the SW range is in Meter bands only.







#### Browsing the Stations

You can use the Browser to preview stations on the LCD without changing the current station. You can view all Pages, as well as all frequencies in each Page.

1. Press <button 10> to enter "Browse" mode.
2. Press <button 13a> or <button 13b> to Browse station names.
3. Press <button 16> or <button 14> to Browse frequencies in one station. Select the frequency you wish to listen to, then press <button 10> or <button 17> to switch the Radio to that frequency.
4. Press <button 15> to exit.








## USE THE RADIO AND MP3 PLAYER TOGETHER

### ► Quick save a station

1. Search for a station.
2. Short press <  > to enter save mode.  
Short press <  > or <  > to select station name or short press the number of the station.  
Short press <  > or <  > short to select a memory to save the station, the old frequency will be over-written.
3. Press <  > to save the station.

Note: See Page 8 for saving the station from Menu.

### ► Quick Delete a Station

1. Short press <  > to enter delete mode.
2. Short press <  > or <  > to select a station name.  
Short press <  > or <  > to select frequency you choose.
3. Short press <  > or <  > to confirm the deletion.

Note: See Page 8 for deletion from Menu.

### ► Edit FREQ.TXT File

Open the file FREQ.TXT under the root of the CD or in the MP3 Player. Read the last few lines in this file before you make any edition. Do not change the file name, if you open the file from CD (Not direct from the MP3 Player or the Storage), connect the MP3 player with the PC you want to use, and save the file FREQ.TXT to the MP3 player. Refer to page 29 for more info.

After you save the file to MP3 player, use the Import feature to send the data to the radios memory.

### ► Active Amplifier


There is an audio line-in jack on this radio, so you can use this radio as a speaker for iPod, MP3 player or a CD player.

1. Press the play button on the player you want to use, then turn this radio on.
2. Connect the audio player with this radio via a cable. The radio's audio in will accept the output from the audio player you are using.

Note: This feature works only in Radio mode.

## USING THE RADIO AND MP3 UNIT TOGETHER

### Quick save of a station

1. Search for a station.
2. Press <button 9> to enter "Save" mode. Press <button 13a> or <button 13b> to select a station name, or use the Numeric Keypad to enter the number of the station.  
Press <button 16> or <button 14> to select a memory preset to save the station in. Any existing frequency in that preset will be over-written.
3. Press <  > to save the station.

### Quick Delete of a Station

1. Press <button 11> to enter "Delete" mode.
2. Press <button 13a> or <button 13b> to select a station name. Press <button 16> or <button 14> to select a frequency.
3. Press <button 11> or <button 17> to confirm the deletion.

### Edit FREQ.TXT File

On your computer, open the FREQ.TXT file from the CD or from the MP3 unit (if it is attached to the computer). Read the last few lines in the file before making any changes. DO NOT CHANGE THE FILE NAME. If you open the file from the CD, you will need to save it to your computer or to the MP3 unit. Refer to Page 29 for more information. After saving the FREQ.TXT file to the MP3 player, use the Radio's "Import" feature to send data to the Radio's memory.

### Active Amplifier/iPod Speaker function

There is an audio lin-in jack on the Radio, so you can use it as a speaker for an iPod, MP3 player, or a portable CD player.

1. Press "Play" on the external player you wish to use, the turn the Radio ON.
2. Connect the external player to the Radio using the included stereo-mini to stereo-mini cable.

**NOTE:** This feature only works in "Radio" mode.






## USE THE RADIO WITHOUT MP3 PLAYER



### Use the Radio Only:

1. When you use the radio only, watch the sub-browser, small LCD.
2. Take the MP3 Player off the radio and install battery for the radio only.










#### ▶ Charging the battery

Under the power off mode, short press <  > to charge the radio battery only, long press <  > to charge the MP3 Player battery only. Press <  > to exit the charging mode.


#### ▶ Turn On/Turn Off the Radio

Turn on the radio: short press <  > to turn the radio on, turn off the radio: when the radio is on, short press <  > to turn off the radio.



#### ▶ Search for Stations

1. Shortpress <  > to select way of search (station name or band).
2. On step search, short press <  > or <  > to search station.  
Shortpress <  > to select to FM band;  
Shortpress <  > to select to AM band;  
Shortpress <  > to select to SW band.
3. When search by station name, short press <  > or <  > to select frequency, short press <  > to check the related station and frequency..

#### ▶ Save the Frequency

Select the frequency you need, short press <  > then key in two digits as the address, then the frequency was saved to the two digits address.

#### ▶ Delete a Frequency

Select a station, short press <  > to show the station number, short press again <  > to delete the frequency.

Note : For Radio use only mode, all the operation on the frequency is limited on the first frequency only.

## USING THE RADIO WITHOUT THE MP3 UNIT

### Use the Radio Only:

1. When using the Radio only, watch the small LCD.
2. Remove the MP3 unit from the Radio and install batteries in the Radio only.

#### Charging the battery

In the "Power OFF" mode, press < button 11 > to charge the Radio battery. Press button 6 to exit "Charge" mode.

#### Turn the Radio ON / OFF

When the Radio is OFF, press < button 4 > to turn the Radio ON. When the Radio is ON, press < button 4 > to turn the Radio OFF.

#### Search for Stations

1. When the Radio is on, press < button 17 > to select the manner of search (Station Name or Step).
2. In "Step" search, press < button 13a > or < button 13b > to search for stations. Press < button 16 > for FM, < button 15 > for AM, < button 14 > for SW.
3. When searching by Station Name, press < button 13a > or < button 13b > to select the frequency, then press < button 10 > to check the related station and frequency.

#### Saving the Frequency

Select the frequency you want, then press < button 9 >, followed by the two-digit address. The frequency will be saved in the two-digit address.

#### Deleting a Frequency

Select a station, then press < button 11 > to show the station number and press < button 11 > to delete the frequency.

**NOTE:** In "Radio Only" mode, all operations on frequency are limited to the first frequency only.

## USE THE RADIO WITHOUT MP3 PLAYER.

### ► Set up timer on the radio

Under power off mode, watch the sub- LCD, the little LCD display.

1. Short press < [M] > to enter the set up mode, the sub-LCD shows "Set" .
2. Short press < [M] > to enter Alarm 1 Mode, When the sign " [M] " flash, then:
  - Short press digit number buttons to set the timer.
  - Short press < [M] > to enter next step, short press step and digit number buttons to input frequency of turn on the radio (Please refer "Input frequency direct to the radio" of the P14) ,short press < [M] > enter volume control level, the sub-LCD will show "OL15" ,then you can adjust volume level, adjust the to < [M] > or < [M] > to do so; short press < [M] > again to enter turn off time, the sub-LCD will show "OF15" ,short press digit number buttons to set the time to turn off the radio.
3. When you see the sign " [M] " shows up on the sub-LCD, it shows the Alarm 1 is set up and completed.
4. Short press < [M] > and sign " [M] " flashed, short press < [M] > to exit Alarm 1 setup.

Note: For Alarm 2 and Alarm 3, use the same procedure to set up, but use < [M] > for Alarm 2 and < [M] > for Alarm 3. No matter how to use with the combined MP3 Player, this set up is good for the status that the Radio is set to turn itself on.

### ► Set Up automatic power off

When the radio is on, you can set the time to turn off the radio.

1. Long press < [M] > , the sub-LCD (little LCD) shows the current time.
2. Short press < [M] > to show the current turn-off time.
  - Short press digit numbers to set turn off time (01-99 Minutes),
  - If you Do not do any action, the default time is 60 minutes.
  - Short press < [M] > , it is set default the unlimited time to turn off the radio.

Compare: You may see that the Use radio only and Use combined MP3 with radio is the similar procedure and it is easy to remember.

## USING THE RADIO WITHOUT THE MP3 UNIT

### Set up timer on the radio

In "Power OFF" mode, observe the small LCD.

1. Press < button 7 > to enter "Set Up" mode. The small LCD displays "Set".
2. Press < button 16 > to enter "Alarm 1" mode. When the symbol < symbol > flashes, then perform the following actions:
  - Use the Numeric Keypad to enter set the Timer.
  - Press < button 7 > to enter the next step, press "Step" and use the Numeric Keypad to input the frequency to be heard when the Radio turns ON (Refer to " Inputting frequencies directly to the Radio " on Page 15). Press < button 7 > , and enter Volume level. The small LCD will display "OL15". You can now use the < button 8 > and < button 12 > to adjust the level. Press < button 7 > again to set "OFF Time". The LCD will display "OF15". Use the Numeric Keypad to set the time for the Radio to turn OFF.
3. When the symbol < symbol > appears on the small LCD, it indicates that Alarm 1 is set up and activated.
4. Press < button 16 > and the < symbol > will flash. Press < button 6 > to exit Alarm 1 setup.

**NOTE:** Use the same procedures for setting up Alarm 2 and Alarm 3, but use < button 15 > for Alarm 2 and < button 14 > for Alarm 3. Whether the MP3 unit is attached or not, this setup method access the Radio's Auto ON / OFF feature.

### Set Up automatic power off



1. Press and hold < button 6 > . The small LCD will display the current time.
2. Press < button 7 > to display the current Turn OFF time.
  - Use the Numeric Keypad to set the Turn OFF time (01-99 minutes).
  - If you do not take any action, the default Turn OFF time is 60 minutes.
  - Pressing < button 6 > sets the default Turn OFF time to "unlimited".

**Compare:** These procedures are the same for both modes: "Using the Radio Without the MP3 Unit" and "Using the Radio and MP3 Unit Together."

## How TO USE THIS RADIO

---

### ▶ FM Mono/Stereo

When listen to the FM broadcast, press "FM: Mono/Stereo". when it is stereo, the sub-LCD shows "ST", the main LCD shows , when it is Mono, the sub-LCD will not show the "ST", but the main LCD will show the mono sign .

**Stereo:** You can use stereoearphone to enjoythe stereo music, but the better the signal is, the better reception is.

**Mono:** It is better to use Mono to receive weak FM signal, if the signal is received and kept, you can press "FM: Mono/Stereo" to switch to stereo for a better sound quality. (The circuit receives mono signal better than the stereo signal.)

Note: The unit has news/music selection, they are the same location as the Mono/Stereo. Mono( News)/Stereo(Music)

### ▶ Local-Normal-DX selection

It is important to select proper sensitivity to receive better signals. There are three levels of the sensitivity for this radio: Normal (Nor): The middle range of the set sensitivity of the radio. It is recommended to set the switch to Nor.

Local: If the local stations are very strong and might get the distortion on the sound or override the other station, use this select to make the better receiving on the local station, but the remote weak stations might be buried in a noise.


DX: To receive the shortwave or remote AM stations, this DX helps to receive the signal that is weak and noisy.

### ▶ Narrow/Wide Bandwidth

Press AM: W/N button to select wide or narrow bandwidth while listening to the AM, SW or LW stations. In the above mentioned bands, press "W/N" to switch between wide or narrow bandwidth.

Wide bandwidth has a better tone reception while the narrow bandwidth has less noise on reception.

### ▶ SSB/CW

1. After turn on the radio, in the menu , select "Step" as the way of searching mode, then press <> short to enter Swband.

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## USING THE RADIO

### FM Mono/Stereo

When listening to the an FM broadcast, press the "Mono/Stereo" selector button on the right side of the Radio. In "Stereo" mode, the small LCD displays "ST" and the main LCD displays <symbol>. In "Mono" mode, the small LCD will not display "ST", and the main LCD will display the "Mono" symbol <symbol>.

**Stereo:** you can use stereo earphones to listen to stereo broadcasts, but the better the signal is, the better the reception (and sound) will be.

**Mono:** It is better to use Mono to receive weak FM signals. If the signal is recieved and maintained, you can switch to Stereo for better sound quality. (The Radio receives Mono signals better than Stereo signals)

**NOTE:** You may prefer to listen to news in Mono, and to listen to music in Stereo.

### Local - Normal - Distant Selection

It is important to select proper sensitivity to receive signals better. This Radio has 3 levels of sensitivity:

**Normal (NOR):** The middle range of the Radio's sensitivity. This is the recommended setting.

**Local (LO):** If local stations are very strong, they may suffer from distortion or override other stations. In that case, select LO to reduce sensitivity and receive local stations more clearly. Local stations that are more distant may be "buried" in noise.

**Distant (DX):** To receive SW or remote AM stations, the DX position helps to receive weak or noisy signals.

### Narrow/Wide Bandwidth

When listening to AM/SW/LW broadcasts, press <AM WIDE-NAR> to switch between wide or narrow bandwidth.


Wide bandwidth offers better tone reception while narrow bandwidth offers less noise on reception.

### SSB (Single Sideband)/CW

1. With the Radio ON, enter the Menu and select "Step" as the search method, then press <button 14> to enter SW band.



## How TO USE THIS RADIO

- Press <SSB Button> till the main LCD shows <  >, which enters the SSB mode.
- Turn the < tuning knob > to tune the radio to a frequency close to a SSB station.
- Use the SSB fine tuning knob to get the best reception.


### **NOAA Weather Band**


The 7 weather bands are stored in the page 98 and page 99. You can hear the weather station under the two different status:



#### **Using the Radio Only**






Press number 98 or 99, then turn knob, the sub-LCD will show changing of number "01" to "07", if you can clearly hear the station, you have found the weather station,

#### **Using the MP3 on the unit**

Open the menu, select search, <Scan > menu on the main LCD. Select Memory, short press <  > to enter, short press number "98" to enter the weather band page.

Use <  > to select station in this page to find the station that comes through the station.

If you can not find the station, press <  > to enter next page (Page 99), in the page 99, use <  > to select station that you can hear the sound.

Note: 1. The weather stations are stored in two pages. Station 1, 2, 3, 4 are stored in page 98; stations 5, 6, 7 are stored in page 99, use <  > or <  > to change page and <  > or <  > to change stations in the same page. 2. When in weather band, short press < Mono/Stereo > to change the sound tone. When the Sub-LCD shows <ST> and main LCD shows the stereo sign <  >, the high tone sounds better, when it shows Mono, the Low tone sounds better. 3. Do not save other frequencies in to Page 98 and Page 99, if you saved other frequencies than the preset weather bands, you will lose the weather bands. But you can reset the radio to get them back if you save them by mistake.

### **USING THE RADIO**

#### **SSB (Single Sideband)/CW-continued**

2. Press <SSB> (on the right side of the Radio) till the main LCD displays <symbol>, which indicates "SSB" mode.
3. Turn the Tuning Knob to tune the Radio to a frequency close to a SSB station.
4. Use the SSB fine tuning knob to get the best reception.

### **NOAA Weather Band**

The 7 Weather Bands are stored in Page 98 and Page 99. To hear the Weather Bands:

#### **Using the Radio Only**

Press the numbers 98 (<9> <8>) or 99 (<9> <9>), then turn the Tuning Knob. The small LCD will display number from "01" to "07". If you can clearly hear a station, you have found the Weather station.

#### **Using the Radio and MP3 Unit together**

1. Access the Menu in "Radio" mode, select "Search".
2. Select "Memory", then press (button 17) to enter, then type the number "98" to enter the Weather Band Page.
3. Use <button 14> to cycle through the stations in this page and to find one broadcasting in your area.
4. If you cannot find a station in Page 98, press <button 13b> again to enter the next Page (Page 99). Use <button 14> to select a station that you can hear.

#### **NOTES:**

1. The Weather stations are stored in 2 pages. Stations 1, 2, 3, and 4 are stored in Page 98. Stations 5, 6, and 7 are stored in Page 99. Use <button 13a> or <button 13b> to change Pages and use <button 16> or <button 14> to change stations within each Page.
2. When in "Weather Band" mode, press <STEREO/MONO> to change the sound tone. When the small LCD displays "ST" and the main LCD displays the stereo symbol <symbol>, high tones will sound better. When the main LCD

displays the MONO symbol <symbol>, low tones will sound better.

3. Do not save other frequencies into Page 98 or Page 99. If you save other frequencies into these Pages, you will lose the Weather Bands. You can reset the Radio to restore the Weather Bands.





## JSE MP3 PLAYER WITH RADIO

When use the MP3 player on the unit

1. Connect the MP3 player and the radio well.
2. Install batteries for radio and MP3 player before use.
3. Please watch the main LCD while you are using MP3 player
4. Download the MP3 music to the player via a USB cable.
5. Make sure to have the radio and MP3 player charged before use them.





### ► Charge the MP3 player

Connect the AC adaptor to the unit, in the power off mode, long press <  > to enter the charge mode, you will see the sign <  > blinking on the Sub-LCD.




Note:

Before charging, make sure the MP3 player has a rechargeable battery installed. The Max charging time is 4.5 hours.

### ► Turn On/Off/Switch Mode

1. To turn on: Press <  > short to turn on the MP3 player.
2. To turn the MP3 player off: short press <  > to turn off the Mp3 player.
3. Switch the work mode: In MP3 mode, shot press <  > to swith to radio mode; in radio mode, shortpress <  > to enter Mp3 mode.

### ► Adjust Volume

1. Volume increase: Press <  > adjust.
2. Volume decrease: Press <  > adjust.
3. Silent: Press <  > to mute the radio.

Note: When in adjust mode, the main LCD shows the volume level of the speaker.


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## USING THE MP3 UNIT WITH THE RADIO

### When using the MP3 unit on the Radio

1. Make sure the MP3 unit is correctly connected to the Radio.
2. Make sure the batteries are installed in both the Radio and the MP3 unit before use.
3. Observe the main LCD when using the MP3 unit.
4. Download MP3 music to the player via a USB cable.
5. Be sure to charge the batteries in both the Radio and the MP3 unit before use.

### Charging the MP3 Player

Connect the AC adaptor to the Radio. In "Power OFF" mode, press and hold <button 11> until you see the symbol <  > blinking in the small LCD.

**NOTE:** Before attempting to charge, be sure the MP3 unit has a rechargeable battery installed. Maximum charging time is 4.5 hours.

### Turn ON / OFF and Switch Mode

1. To turn the MP3 unit ON: Press <button 3>.
2. To turn the MP3 unit OFF: Press <button 3>.
3. To switch the "Operating" mode: In "MP3" mode, press <button 4> to switch to "Radio" mode. In "Radio" mode, press <button 3> to switch to "MP3" mode.

### Adjusting the Volume






1. Increase Volume: Press <button 8> until you have increased to the desired volume.
2. Decrease Volume: Press <button 12> until you have decreased to the desired volume.

**NOTE:** When in "Volume Adjust" mode, the main LCD displays the output volume level.




## USE MP3 PLAYER WITH RADIO

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### ► Play Music

- Select music: press <  > or <  > to select
- Play/Pause: press <  > short to pause the music
- Stop play: press <  > to stop the music
- Select EQ  
You have different choices on the EQ, press <  > to select. The main LCD will show the mode of the EQ.

### ● A-B Repeat

1. Set start point A: Press <  > short, the display will show "A"
2. Set end point B: After set the point A, wait the player to a run a period of time till the B point appears when you want, press <  > to set the point B, where you want stop.
3. When you want to cancel the repeat setup, press <  > to cancel.

## USING THE MP3 UNIT WITH THE RADIO

### Play Music (In MP3 Mode)

**- Select music:** Press <button 13a> or <button 13b> to select the music you wish to hear.

**-Pause playback:** Press <button 16> to Pause music playback.

**-Stop playback:** Press <button 15> to Stop music playback.

The MP3 unit has different EQ settings available. Press < button 14> to cycle through them. The main LCD will show the current "EQ" mode.

### A-B Repeat

1. Set the Start Point (A): Press <button 10>. The main LCD will display "A" in the upper right.

2. Set the End Point (B): Wait the desired amount of time, then press <button 10> again. The MP3 unit will continue to "loop" between Point A and Point B.

3. When you wish to stop the "loop", press <button 10> one more time. This will cancel the "A-B" loop.

## JSE MP3 PLAYER WITH RADIO

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Enter MP3 main menu from main LCD

File Management  
MP3 Play  
Speech Play  
Record  
MP3 Record  
Setting  
Version  
EXIT

In MP3 work mode, press <[M]> short to pop up the MP3 menu,

Press <[V]> or <[M]> short to select the menu

Press <[M]> short to exit the menu, return to the last menu.

### ► File Management

1. Browse files, press <[V]> or <[M]> short to select
2. Return to root directory, press <[R]> short.
3. To play the MP3, press <[P]> short to play, press it again to pause.
4. Stop play: Press <[S]> short to stop the player.

### ► MP3 Play

Enter MP3 file list, select the MP3 files.

1. Browse the files, press <[V]> or <[M]> short to select.
2. Play : Press <[P]> short to play, press <[P]> again to pause.
3. Stop play: Press <[S]> short to stop the player.

## USING THE MP3 UNIT WITH THE RADIO

1. Access the main MP3 Menu on the main LCD
2. In "MP3" mode, press <button 17> to access the MP3 menu.
3. Press <button 13a> or <button 13b> to select the desired sub-menu.
4. Press <button 17> to exit the Menu and return to the last Menu.

### File Management

1. Browse the MP3 files, and press <button 13a> or <button 13b> to select the one you want.
2. Press <button 15> to return to the root directory.
3. Press <button 16> to Play the selected MP3 file. Press <button 16> again to Pause playback.
4. Press <button 15> to Stop playback.

### MP3 Play

Enter the MP3 file list as above and select the MP3 file you wish to play





1. Browse the files, using <button 13a> or <button 13b> to search.
2. Press <button 16> to Play the desired file. Press <button 16> again to Pause playback.
3. Press <button 15> to Stop playback.

## USE MP3 PLAYER WITH RADIO


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### ► To play back the recorded voice

Open the files as mentioned in the last paragraph

1. Browse the files: Press <  > or <  > short to browse the files.
2. Play: Press <  > to play the file, press it again to pause it.
3. Stop the play: Press <  > to stop the playing.

### ► Record (Microphone Recording)




1. In the menu, select "Recording" to start record.
2. Press <  > again to stop the recording .

#### Note:

To avoid a sudden stop, please cancel all time function. Make sure there is enough battery power to record. The recorded files are saved in a "Speech List".

### ► MP3 Record (Line record)

Use the supplied cord to connect the sound source and the MP3 player, you can record the sound to the MP3 player. The saved files are in MP3 format.

1. Connect the sound source to the MP3 player by connecting the cord with both to the line in jack on the radio
2. In the menu, select "MP3 Record" , then press <  > short to select record baud rate.
3. Select baud rate, then press <  > short to start recording.
4. Press <  > short to stop recording .

#### Note:

After recording, the recorded files will be saved in the "MP3 Play" list.

## USING THE MP3 UNIT WITH THE RADIO

### To play back voice recordings

Access the MP3 files as above.

1. Use <button 13a> or <button 13b> to browse the files.
2. Press <button 16> to Play the file. Press <button 16> again to Pause playback.
3. Press <button 15> to Stop playback.

### Record (Microphone Recording)

1. Access the main Menu. Select "Record" to begin recording with the built-in microphone.
2. Press <button 15> to stop recording.

**NOTE:** To avoid a sudden stop to your recording, cancel all Timer functions. Make sure there is enough battery power to record. The recorded files are saved in a "Speech List".

### Line-in recording to MP3

Using the supplied stereo-mini to stereo-mini cord to connect an external sound source to the Radio's LINE IN jack, you can record to the MP3 unit in MP3 format.

1. Connect the external sound source to the Radio's LINE IN jack with the supplied stereo-mini to stereo-mini cord.
2. Access the Menu and select "MP3 REC", then press <button 17> to select the desired kbps record rate.
3. Once you have selected the desired record rate, press <button 17> to Begin recording.
4. Press <button 15> to Stop recording.

**NOTE:** MP3 recordings from LINE IN are saved in a "MP3 Play" list.



## JSE MP3 PLAYER WITH RADIO

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### ► Setting

#### ► EQ Effects

There are 4 EQ modes in the MP3 player, select different mode for different music choice.

1. After enter MP3 main menu, select "Setting" to enter.
2. Select "Equalizer" to enter EQ selection.

3. Press <[EQ] > or <[M.A.] > short to select EQ mode.
4. Press <[M] > to confirm selection.





Note: There are four cycle modes in the EQ : Normal, Classic, Jazz, DBB.

### ► Replay

There are 4 ways to replay the music on the player.

1. Enter MP3 main menu, select "Setting"
2. Select "Replay", press <[M] > short to make selection.
3. Press <[M.A.] > or <[M.A.] > short to select
4. Press <[M] > to confirm the selection.

Note: There are 4 ways of replay:

 Normal Play	 Repeat All
 Repeat One Play	 Random

## USING THE MP3 UNIT WITH THE RADIO Settings

### -EQ Effects

The MP3 unit has 6 "EQ" modes. You can select a different mode for different types of music

1. Access the MP3 main Menu and select "Setting".
2. Select "Equalizer" to enter EQ selection.
3. Press <button 13a> or <button 13b> to select the desired "EQ" mode.
4. Press <button 17> to confirm your selection.

**NOTE:** There are 4 "EQ" modes: Normal, Classic, Pop, Rock, Jazz, and DBB (Base).

### Repeat

There are 4 "Repeat" modes for the MP3 unit.

1. Access the MP3 main Menu and select "Setting".
2. Select "Repeat" and press <button 17> to make a "Repeat" mode selection.
3. Press <button 13a> or <button 13b> to select the desired "Repeat" mode.
4. Press <button 17> to confirm your selection.

### NOTE:

There are 4 "Repeat" modes:

<symbol> Normal Play	<symbol> Repeat All
<symbol> Repeat 1 file Random	<symbol> Repeat

## USE MP3 PLAYER WITH RADIO

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### ▶ LCD




In MP3 mode, to setup LCD is the same procedures as in setting the LCD in radio mode. Please refer to page10 for details.

### ▶ Auto Power Off





To power off the MP3 player is just like to set up radio timer, please refer to page10 for details.

### ▶ To Delete Archives

There are two ways to delete files. To delete single file and use format to delete all files. If you decide to delete/format the files, you will never be able to recover them. Use this feature very carefully to avoid any mistake.

1. After enter MP3 player main menu, select "Setting", press <  > short to enter the selection.
2. Select "Erase", it will ask you if you want to erase the files selected.
3. Press <  > to confirm the erase or press <  > to exit the deletion mode.

### Format

- Press <  > or <  > short to select "format" in the menu.
- Press <  > short to confirm the formatting. Select "Yes" to execute the format; to exit the format, select "No"
- Press <  > short to confirm the selection.

Note : If you have a format failed info, try to connect to a PC to perform the formatting.

## USING THE MP3 UNIT WITH THE RADIO

### LCD

Setting up the LCD in "MP3" mode is the same as in "Radio" mode. Please refer to Pages 10 and 11 for details.

### Auto Power OFF

Setting Auto Power OFF in in "MP3" mode is the same as in "Radio" mode. Please refer to Page 11 for details.

### Deleting Archives

There are 2 ways to delete files. You can delete files one at a time, or use "Format" to delete all files. If you decide to delete files by either method, you will not be able to recover them. Be very careful to avoid mistakes with this feature.

1. Access the MP3 main Menu and select "Setting". Press <button 17> to enter, the select "Erase".
2. Select "Erase One File". You will be asked if you want to erase the selected file.
3. Press <button 17> to confirm the deletion, or press <button 15> to exit "Delete" mode.

### Formatting


1. Access the MP3 main Menu and select "Setting". Press <button 17> to enter, the select "Erase".
2. In the "Erase" menu, select "Format". You will be asked if you want to Format.
3. Press <button 17> to confirm the Format, or press <button 15> to exit "Delete" mode.

**NOTE:** If you receive a "Format Failed" message, try connecting to a PC to perform the Format.




## USE THE MP3 PLAYER WITHOUT RADIO

To use the MP3 player separately from the unit, make sure the rechargeable battery is in the MP3 player and charged with power.





### ► Turn it On/Off:

1. Turn On: Press <  > over 2 seconds to turn it on.
2. Turn it off: Press <  > and hold it till the LCD shows "Bye Bye"



### ► Play/Pause/Stop

1. Play: Press <  > short to start playing music.
2. Pause: While the MP3 player is in operation, press <  > short to pause, press it again to continue the playing.
3. Stop: Press <  > short to stop the play.

### ► Select Song/ FF/RW

1. Select a song: Press <  > or <  > short to see the title.
2. FF/RW: Press <  > or <  > to fast forward or backward.

### ► Increase or decrease the Volume

1. Increase Volume: press <  >.
2. Decrease Volume: press <  >.

## USING THE MP3 UNIT WITHOUT THE RADIO

To use the MP3 unit separate from the Radio, make sure the rechargeable battery is in the MP3 unit and that it is fully charged.

### Turning the MP3 Unit ON / OFF

1. To turn ON: Press and hold <Play/pause> until the unit powers ON.
2. To turn OFF: Press and hold <Stop> until the unit displays "Bye Bye".

### Play/Pause/Stop

1. Play: When the unit is ON, press <Play/pause> to Begin playback.
2. Pause: When the unit is playing music, press <Play/pause> to Pause playback.
3. Stop: When the unit is playing music, press <Stop> to Stop playback.

### Select Song/ FF/RW


1. Select a song: Press <FF> or <RW> to browse titles.
2. Fast Forward / Rewind: During playback, press and hold <FF> or <RW> to move forward or backward in a song.

### Increase or decrease the Volume

1. Increase Volume press < + >.
2. Decrease Volume press < - >.

## USE THE MP3 PLAYER WITHOUT RADIO

### Menu Function


Press  short to enter menu.


Note:

When the MP3 player is used separately, the line-in feature is disabled.


### A-B Repeat

Set start point A: Press  short to set the point A, and the main LCD shows "A"

Set end point B: After the start point A is set, while it is playing, press  short again to set up the point B, then the main LCD shows "A-B"

Cancel the repeat: When it is doing repeating, short press  to stop the repeat.

### Recording

Quick recording from the control panel: Press  long (over 2 seconds) to start recording.

Note:

This recording is built-in Mic recording, from the menu recording, please refer to "Record (Microphone Recording)" of the recording with Radio on page 24.

## USING THE MP3 UNIT WITHOUT THE RADIO

### Menu Function

Press <M> to access the Menu. Press <FF> or <RW> to browse the Menu.

**NOTE:** When the MP3 unit is used separate from the Radio, the LINE IN feature is disabled.

### A-B Repeat

1. Set the Start Point (A): During playback, press <A-B Repeat>. The main LCD will display "A" in the upper right.
2. Set the End Point (B): Wait the desired amount of time, then press <A-B Repeat> again. The MP3 unit will continue to "loop" between Point A and Point B.
3. When you wish to stop the "loop", press <A-B Repeat> one more time. This will cancel the "A-B" loop.

### Recording

Quick record: Press and hold <Record> to Begin recording.

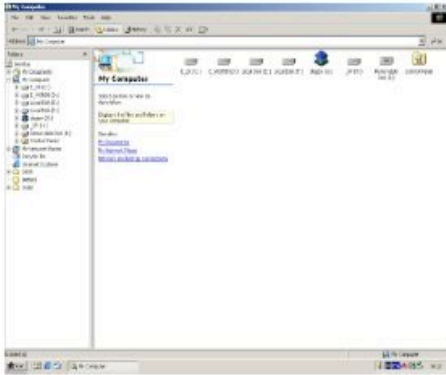
**NOTE:** This unit records through a built-in microphone. Refer to "Record (Microphone Recording)" on Page 24 for information on recording while using the MP3 unit with the Radio.



## CONNECT WITH PC AND DATA TRANSFER

To save a music to your MP3 Player and transfer the station and frequency to your radio, connect the MP3 player to a computer with Windows XP system ,follow the steps below to complete the data transferring.

1. Use the USB cable to connect the MP3 player with the computer.
2. The windows will find the hardware and install the driver automatically.
3. The computer will see the MP3 player as a memory storage, you can browse it and save files to it. Like to manage any other storage disk, you add or delete files from the MP3 player. See the figure below.



4. On the safe side, to disconnect the MP3 from the computer, it is better to click on "Un-pull or eject hardware " icon on the computer to disconnect it, and wait till the safety indicator appears. Note: Do not take the MP3 out from the computer while the files are written to it.

## PC CONNECTION AND DATA TRANSFER

To save music to the MP3 unit and transfer station and frequency information to the Radio, remove the MP3 unit from the Radio and connect it the MP3 unit to a computer running Windows XP. Follow the steps below to transfer data.

1. Use the included USB cable to connect the MP3 unit to the computer.
2. Windows should recognize the hardware and install the driver automatically.
3. The computer will see the MP3 unit as a portable storage device. You can use Windows Explorer to browse and save files to it. Just as with any other portable storage device, you can add or delete files from the MP3 unit. See the figure below:

4. To be safe, it is best to use the Windows option "Unplug or Eject Hardware" prior to disconnecting the MP3 unit from your computer. Also, do not attempt to remove the MP3 unit from the computer while files are still being written to it.

## FIRMWARE UPDATE

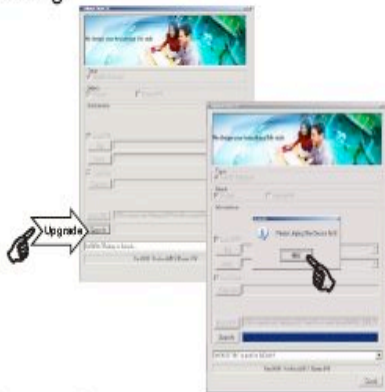
If you have a hard time to read and write to the MP3 player(The memory or storage), you need to use the software to update the firmware or to format the MP3 player to initiate it from the hardware level. Follow the steps below to perform the update.

1. Connect the MP3 player with the computer, insert the CD to the slot. Open the CD.
2. Click the file "KA1121MP3radioVxx.exe" to start the update.

Important:

Do not disconnect the cable while **updating** the firmware.


The pop-up will ask you "Do you want to delete all the files on the storage ? ", you can select Yes to start the updating or No to cancel the updating.



3. Click "confirm " to finish updating, then you can disconnect the MP3 and the computer.

Note:

If you have a hard time to connect the MP3 to a PC, you need to update the firmware as stated above.

- A. To reset the radio and MP3 player, take the batteries out from the radio and MP3 player. After 60 seconds, they will be reset.
- B. If you have a hard time to connect to a computer, press and hold <  > together with any other button, then try to connect to a computer again, after 3 seconds, release the buttons and you should be able to connect to a computer
- C. If you can not connect with a computer, use the steps above to update the firmware.
- D. If you can connect the MP3 and a computer, you can use FAT32 format to format the MP3 player as a storage.

If you encounter difficulty reading or writing data to the MP3 unit, you may need to update the MP3 unit's firmware, or reformat the MP3 unit. Follow the steps below to perform the update:

1. Connect the MP3 unit to the computer with the included USB cable.

2. Your Radio should have come with a CD. Insert that CD into your computer.

3. Find the file "KA1121MP3radioVxx.exe" and double-click on it to start the update.

IMPORTANT: Do not disconnect the USB cable while updating the firmware.

A pop-up menu will ask you "Do you want to delete all the files on the storage device?" You should select "Yes" to begin the update, or select "No" to cancel the update. See the figure below:

4. Click "Confirm" to finish the update, then you can disconnect the MP3 unit. (Be sure to use the "Unplug or Eject Hardware" function)

### NOTES:

If you have difficulty achieving a good connection between the MP3 unit and your PC, you may need to update the MP3 unit's firmware.

A. To reset the Radio and MP3 unit, take the batteries out of both units. After one minute, they will be reset.

B. If you still have difficulty connecting to your PC, press and hold <Play/pause> along with any other button on the MP3 unit, and connect the unit to your PC. Release the buttons after approximately 3 seconds, you should be able to get a good connection to your PC.

C. If you still cannot connect, use the steps above to update the firmware.

D. If you can connect the MP3 unit to your PC, you can use the FAT32 format to reformat the MP3 unit as a portable storage device.

## LYRIC DISPLAY

---

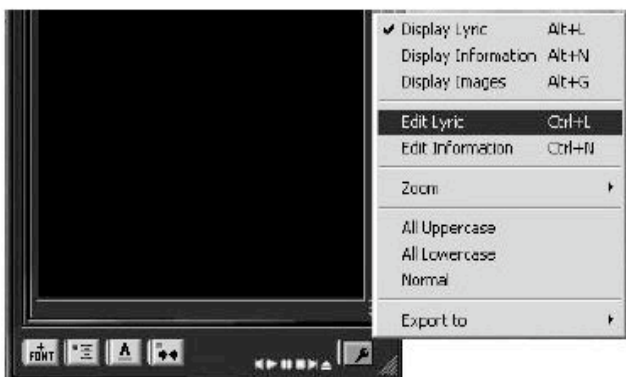
The lyric of the song can be displayed on the LCD at the same time with the song playing.

Run the program Winamp.exe (a music playback software, support MP3, WAV etc.) in the CD directory, follow the instruction to install the software.

Run the program Lyric.exe (A lyric conversion tool) in the CD, you need to install it under the same Winamp root directory.

After the installation, open the Winamp playback software and run: file/Lyric to open the lyric conversion tool.

Click on the toolbox which is at the bottom of the conversion tool interface, select "Edit Lyric", then you can input lyrics.



## DISPLAY LYRICS

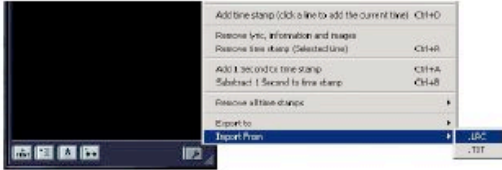
Song lyrics can be displayed on the main LCD at the same time the song is playing.

1. On your PC, run the program "Winamp.exe" from the included CD. Follow the instructions to install the software.
2. Run the program "Lyric.exe" from the included CD. You must install it in the Winamp root directory.
3. After installation, run the Winamp playback software. Then run the Lyric software.
4. Click on the "toolbox" icon at the bottom of the Lyric interface, select "Edit Lyric" and you will be able to input lyrics. See the figure below for details.

## LYRIC DISPLAY

Right click on the toolbox,

- Click on the toolbox, select from Import /LCR or TXT, open the LCR or TXT files with the lyrics. (They come with a time table on each clip). The lyric converter will show the opened Lyric , and you can edit the lyric as you want.



◆ Note :

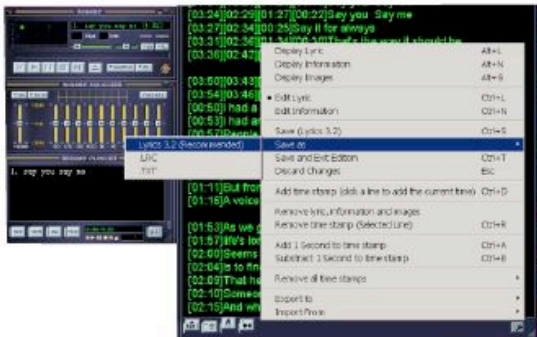
This MP3 player can only support the following time label format.

[00:05] The moon represent my heart

[00:08] Singer: Theresa Deng

If the lyric shows [00:05:10] The moon represent my heart, you must edit it to [00:05] The moon represent my heart.

- Save the lyric file to the MP3 player. ( The lyric and the music will be both saved to MP3 player.)



### DISPLAY LYRICS-continued

- Click on the Toolbox icon, select "Import from" and then select either "LCR" or "TXT". Next, open the LCR or TXT file with the lyrics you want. The lyric converter will display the lyrics, and you can edit them as you wish.

### NOTE:

This MP3 unit only supports the following time label format:

[00:05] The Moon Represents My Heart

[00:08] Singer: Theresa Deng

If the lyrics show:

[00:05:10] The Moon Represents My Heart

then you must edit it to:

[00:05] The Moon Represents My Heart

- Save the lyric file to the MP3 unit. The lyric and music will both be saved to the MP3 unit



**FREQUENTLY ASKED QUESTIONS AND ANSWERS**

1. Abrupt failure in the middle of listening or changed reception  
A: When the timer reaches due time, the radio might shut off automatically, or the preset frequency override the current station.
2. There are lots of noise during the listening  
A: a. The noise may come from the AC adaptor. Do not use the radio near a computer or other electronic equipment.  
b. The signal is weak or not strong enough or shielded by the metal or construction.  
c. In a auto scan status, if there is a strong interference signal, the scan can be interrupted. To use the scan in a place where is clear from electromagnetic field.
3. Do I have to take the battery out when I try to connect the AC adaptor ?  
No, this unit is built with a battery protection circuit, when you use the AC adaptor, the battery will be cut off from the circuit. Do not worry the battery and the battery power the built-in clock too.
4. Failed to charge the battery from the quick charge mode  
A: a. This unit support charging under power off mode only.  
b. Check if you use the correct steps to charge the battery.  
c. Check the Ac adaptor is connected well and voltage is correct.
5. How to receive the side single band.  
A: a. The SSB signal has no carrier in the waveform, so there is no signal can be received when the other end do not speak to the transmitter. Try to search the SSB signal often to make sure you have the signal there.  
b. The SSB signal is out side of the meter band, so you have to key in the frequency to search it. You may find more signal near 7 Mhz to 14 Mhz.  
c. Please visit our website for more information. [www.kaitou.usa.com](http://www.kaitou.usa.com)
6. It is slow to turn on the Radio or MP3 player  
A: a. When the files are too full, delete some file you do not need, and keep 10K memory.  
b. The recorded file is too long.
7. It is not clear when listen to a SSB signal  
A: a. The SSB signal use very narrow bandwidth, you can not expect it as a FM or AM signal.  
b. The users of the SSB use briefing in the communication, so it is more difficult to understand what they talk.

**FREQUENTLY ASKED QUESTIONS**

1. Radio fails abruptly, or reception changes dramatically during Playback.

A: The Timer may have reached its preset limit, and shut the Radio OFF, or the Auto ON Timer may have initiated, causing the Auto ON Frequency to override the current frequency.

2. There is a lot of noise during Playback.

A: a. The noise may be from the AC adaptor. Do not use the radio near a computer or other electronic device.

b. The signal is weak, or not strong enough, or is shielded by metal or buildings.

c. In Auto Scan mode, if there is a strong interfering signal, the scan may be interrupted. Use Auto Scan in places that are clear of electromagnetic fields.

3. Do I have to take out the battery when I connect the AC adaptor?

A: No, the unit has a built-in battery protection circuit. When you use the AC adaptor, the battery is automatically cut out of the circuit. None of this affects the battery power for the built-in clock. (except when you perform the "reset" function)

4. Battery failed to charge in "quick charge" mode.

A: a. The unit supports battery charging during Power OFF mode only.

b. Check to see that you used the correct steps to charge the battery.

c. Check to see that you have attached the AC adaptor correctly, and that the voltage is correct.

5. How do I receive the Single Side Band (SSB)?

A: a. SSB may have no waveform carrier, so no signal can be received. Try searching for the SSB signal frequently to be sure you have a signal there.

b. The SSB signal may be outside the meter band, so you will have to key in the frequency to search for it. You may find more signal near 7 MHz to 14 MHz.

6. The unit switches from Radio to MP3 unit very slowly.

A: a. When the MP3 unit is very full, delete some that you don't need, leaving at least 10KB free memory.

b. Recorded files may be too long.

7. SSB signals don't come in clearly.

A: a. SSB uses a very narrow bandwidth, so you cannot expect it to have the same audio quality as an FM or AM signal.

b. SSB users tend to employ a lot of "verbal shorthand" in their communication, so it may be difficult to understand what they are saying.

## FREQUENTLY ASKED QUESTIONS AND ANSWERS

- c. The SSB stations are built with low power, so it is not easy to receive the signal and demodulated it well.
9. I can not record my voice on the MP3 player.  
A: It is better to format it after a peirod of time using. Then you can record the MP3 player.
9. In the PC my computer, you will see the memory size is not as big as it is claimed , why?  
A: Because the system software takes some space formt he total memory, so it is smaller than should be, and some of the files are not readable.
10. After connect to the PC, I find it hard to perform and operation.  
A: The compatiability is a problem in your computer, change to another computer and try again.
11. There is no sound when I play the MP3 player  
A: a. The volume is too low, increase the volume level.  
b. The files in the MP3 has no sound at all.
12. MP3/WMA files are in the player, but can not be played.  
Because the compress and decompress are not the same in the computers, and even the formats are verious, so this unit support standard MP3 format, not anyther format.
13. There is noise or cut off when play back  
A: some of the files are broken ,please format the memory and copy the files back to the MP3 , then try again.
14. Why I can not get a correct playing time when I have the music palyed?  
A: We use VBR format to compress the MP3 files( The speed baud is changeable), the play time may not be acurate, but the playback is correct. If you have this problem, do the compress again, you will hve it back normal.
15. MP3 player dose not play and firmware update is not working properly.  
A: The software are messed up, take the MP3 player off the unit, and take the battery DF6 out. Press and hold the <> button while hold another key ( any key), connect it to the computer, after 3 seconds, you can release the holding on the keys.

## FREQUENTLY ASKED QUESTIONS

c. SSB stations are built with low power in mind, so it is not easy to to receive and demodulate the signal.

8. I cannot record my voice on the MP3 unit.

A: You may need to reformat the unit after you have used it for some time. Then you should be able to record to the MP3 unit again.

9. My PC shows the MP3 unit memory to be less than claimed. Why?

A: The system files on the MP3 unit take up some space from the total memory. Some of these files are "invisible".

10. After connecting to my PC, I cannot perform any file operations.

A: There may be a compatibility problem with your computer. Try using a PC running Windows XP.

11. There is no sound when I play MP3 files.

A: a. The volume may be too low. Try increasing the volume level.

b. The MP3 files may be corrupted and have no sound.

12. There are MP3/WMA files in the MP3 unit, but they cannot be played.

A: Because compression rates and formats vary, this unit will only play standard MP3/WMA files at 32/80/128 bit rates.

13. There is noise or "cut-out" when I playback my MP3 files.

A: Some the files may be corrupted. Please reformat the MP3 unit memory, copy the files back to the MP3, and try again.

14. The playing time is not correct when I play MP3 files.

A: We use VBR (variable bit rate) format to compress MP3 files, so the playing time may not be accurate, but playback will be correct. If you have this problem, simply compress the file again and it will be back to normal.

15. MP3 unit does not play, and the firmware update is not working.

A: The software may be corrupted. Remove the MP3 unit and take out the DF6 battery. Press and hold the <Play/Pause> button while holding any other button on the MP3 unit, connect it to your PC, and release the buttons after 3 seconds. This should solve the problem.



**TECHNICAL SPECIFICATIONS: RADIO**  
**PECIFICATIONS OF RADIO**

<b>1. Frequency Range</b>			
FM	70.00 - 108.00 MHz		
LW-MW	140 -1710 KHz		
<b>SW 3.000 – 29.999 MHz</b>			
49m	5.800 - 6.400 MHz	16m	17.400 - 18.000 MHz
41m	6.900 - 7.500 MHz	13m	21.400 - 22.000 MHz
31m	9.300 - 9.900 MHz	11m	25.500 - 26.100 MHz
25m	11.510 - 12.100 MHz		
22m	13.300 - 13.900 MHz		
19m	15.100 - 15.700 MHz		
<b>Weather Band 162.400–162.550MHz</b>			
(1)	162.400 MHz	(5)	162.500 MHz
(2)	162.425 MHz	(6)	162.525 MHz
(3)	162.450 MHz	(7)	162.550 MHz
(4)	162.475 MHz		
<b>2. Preset Frequencies/Stations: 400 Frequencies; 100 Stations</b>			
<b>3. Noise sensitivity</b>			
FM	5 µV		
MW	1mv/m		
SW	20µV		
<b>4. SW Selectivity Wide Band excelled 20dB Narrow Band excelled 80dB</b>			
<b>5. AM Secondly intermediate frequency</b>			
Wide Band Less Than 9KHz		Narrow Band Less Than 4KHz	
<b>6. Most Line Import 500mV</b>			
<b>7. Power Supply</b>			
Internal Battery	AA*3		
External Power Supply	6V 300mA		
<b>8. Built-in Speaker D77mm</b>			
<b>9. External Earphone D3.5mm</b>			
<b>10. Dimensions About 163 * 32 * 103mm</b>			
<b>11. Weight About 300g(excl. Battery)</b>			

1. Frequency Range  
 FM

70.00 - 108.00 MHz

LW-MW

140 -1710 KHz

2. Preset Frequencies/Stations:

400 Frequencies; 100 Stations

49m 5.800 - 6.400 MHz

41m 6.900 - 7.500 MHz

31m 9.300 - 9.900 MHz

25m 11.510 - 12.100 MHz

22m 13.300 - 13.900 MHz

19m 15.100 - 15.700 MHz

(1) 162.400 MHz

(2) 162.425 MHz

(3) 162.450 MHz

(4) 162.475 MHz

16m 17.400 - 18.000 MHz

13m 21.400 - 22.000 MHz

11m 25.500 - 26.100 MHz

(5) 162.500 MHz

(6) 162.525 MHz

(7) 162.550 MHz

2. Preset Stations and Frequencies: 100 Stations, 400 Frequencies.

3. Noise sensitivity

FM 5 V

MW 1mv/m

SW 20 V

4. SW Selectivity Wide Band: More than 20dB

Narrow Band: More than 80dB

5. AM Second intermediate frequency

6. Most Line Import 500mV

7. Power Supply

Internal Battery AA\*3

External Power Supply 6V 300mA

8. Built-in Speaker D77mm

9. External Earphone D3.5mm

10. Dimensions About 163 \* 32 \* 103mm

11. Weight About 300g(excl. Battery)



**SPECIFICATIONS OF MP3**

FLASH Memory	256M
Max Record Time	Approx. 16H/32H
Music Format	MP3/WMA
Record Format	MP3/WAV
Microphone	Electron Capacitance Microphone
Battery Consumption	DF6 Approx. 3H
Earphone Output	>3mW*2
Communication Standard	USB2.0
MP3/WMA Access Rate	32Kbps - 320Kbps
Battery	DF6*1
Weight	Approx. 36g(excl. Battery)
Dimensions	58*36*15mm

**TECHNICAL SPECIFICATIONS: MP3**

**MP3 player specifications**

FLASH Memory	256M
Max Record Time	Approx. 16H/32H
Music Format	MP3/WMA
Record Format	MP3/WAV
Microphone	Electron Capacitance Microphone
Battery Life	Approx. 3H
Earphone Output	>3mW*2
Communication Standard	USB2.0
MP3/WMA Access Rate	32Kbps - 320Kbps
Battery	DF6*1
Weight	Approx. 36g(excl. Battery)
Dimensions	58*36*15mm

**TECHNICAL ASSISTANCE**

*FOR TECHNICAL HELP WITH YOUR RADIO ,  
PLEASE CALL: (866)524-8676*