

Kaito

KA1123

**FM STEREO · MW · SW DSP RECEIVER /
MP3 PLAYER / DIGITAL RECORDER**

Operation Manual



KEY FEATURES

- FM Band: 87.0 - 108.0 MHz or 64.0 – 108.0 MHz
- MW Band: 522 - 1710 KHz
- SW Band: 2.30 - 23.00 MHz
- 225 Memory Presets
- Auto Tuning Storage (ATS)
- Sleep Timer Function (05 - 90 minutes)
- Directly FM/MW/SW Recording and Built-in MIC Recording Function
- Support MP3 and WMA Decode
- MP3 A-B Repeat
- 3 Kinds of Play Modes
- Built-in Flash Memory
- Mini-USB 2.0 Jack (High Speed)
- Key Lock Function
- Battery Power Levels Display
- LED Backlight
- Digital Volume Control
- Use 3 x AAA Size Batteries
- Radio Size: 110x69x13mm
- Accessories: Stereo Earphones, 3 x AAA Size Ni-MH Batteries, USB Cable, Carrying Case and User Manual

NOTES:

1. Press Shortly: about 0.2 second; Long Press: about 2~3 seconds.
2. Please copy the files frequently. Our company will not answer for the data destroying and losing.
3. The functions and LCD displays will be changed because of the updated software, please take the unit as the standard.
4. Please await for a short time after changing the working mode or operating some orders, then the unit will respond.

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LOCATION OF CONTROLS

FRONT

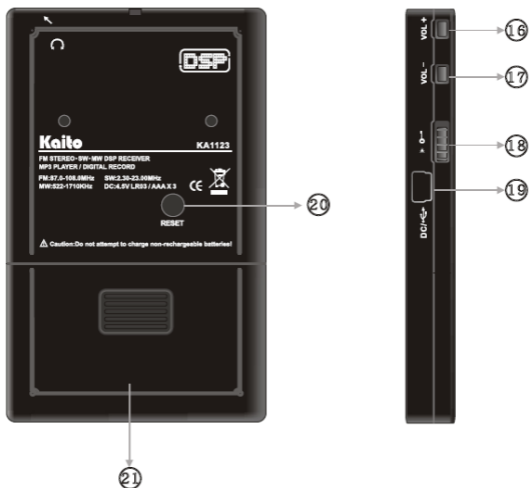


1. Power On/Off
2. Memory; Play ; Set FM Range
3. Freq. +; Music +
4. Freq. -; Music -
5. Delete (Memories, MP3 Files, Record Files); Stop Playing
6. Station -; Folder -; Adjust Time; 12H / 24H Clock Mode Setting
7. Speaker
8. Station +; Folder +; Adjust Date; MW Step 9K / 10K Setting
9. A-B Repeat; Record
10. MW/SW Band Switch; Play Mode Selection
11. Working Mode Switch
12. Telescopic Antenna
13. Neck Strap Hole
14. LCD Display
15. Earphone Jack; Built-in MIC Jack

LOCATION OF CONTROLS

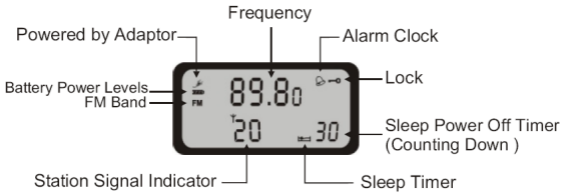
REAR

RIGHT SIDE



- 16. VOL +
- 17. VOL -
- 18. Lock Switch
- 19. USB Jack / Charging Jack
- 20. Reset
- 21. Battery Compartment

LCD DISPLAY WHILE RECEIVING THE FM BROADCAST



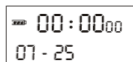
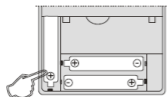
LCD DISPLAY WHILE PLAYING MUSICS



POWER SUPPLY

POWERED BY BATTERIES

1. Open the battery cover.
2. Install 3 new rechargeable or alkaline batteries (AAA size), then close the battery cover.
3. Turn on the unit.



Install the batteries correctly according to the battery polarity.

After installing the batteries, the LCD displays as above.

NOTES:

1. Please don't mix the used batteries with new ones.
2. Please don't mix the rechargeable batteries with the alkaline ones.
3. Please don't charge the alkaline batteries.
4. When the radio is not being used for a long period, remove the batteries to avoid leakage and corrosion. If battery leakage occurs, wipe the battery compartment with a soft cloth before inserting new batteries.

BATTERY POWER DISPLAY

1. Full



2. Medium




3. Lower, please replace the new batteries.







4. Exhausted, the unit will turn off automatically.

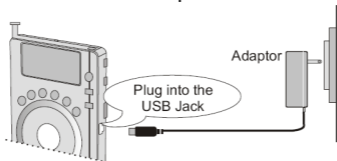


CHARGING

You can charge the radio by the adaptor with the mini USB jack "  ", which can charge for MP3, MP4 and cell phone. You can also charge the radio by the PC.

Charged by the Adaptor





1. Install 3 AAA size rechargeable batteries correctly.
2. Plug one port of the adaptor into the AC socket and plug the other port into the USB jack, "  " will display.
3. With the radio off, press <  > shortly to charge. The battery power icon "  " flows
4. When the battery power is full, "  " stops flowing.
Please disconnect the adaptor and the radio.



NOTES:

1. While charging, please make sure the connection is ok.
2. You can know the charging time (about 2 ~ 7 hours) according to the capacity of the rechargeable batteries.
3. Please only use the supplied adaptor for charging the radio. While listening to the radio, please use the batteries instead of the adaptor to avoid the disturb.
4. Please plug or unplug the adaptor with the radio off.

Charged by the PC



1. Plug one port of the supplied USB cable into the USB jack of the PC and the other port into the USB jack of the radio.
2. After connecting correctly, "  " will display in the task bar.
3. With the radio off, press <  > shortly to charge, and the battery power icon "  " flows.
4. When the battery power is full, "  " stops flowing.
Please disconnect the PC and the radio.

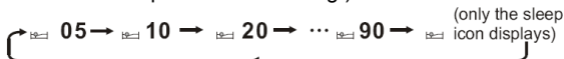
NOTE:


If you want to charge the unit by the PC in "MP3" or "REC" mode, please turn off the unit first and then connect the unit and PC via the supplied USB cable.

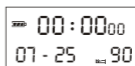
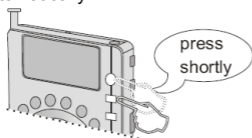
POWER ON/OFF & LOCK SWITCH

POWER ON


1. Press <  > or <  > shortly to select the sleep power off time. (Please do the next operation fast while the selected sleep off time is flashing.)




NOTE: Sleep power off time (05~90 min) is selectable. If you don't want to set the sleep power off time, please select "  (only the sleep icon displays). That's to say, there is only the sleep icon displays after turning on the radio and the radio will not turn off automatically.



"  " flashes


2. Press <  > shortly to turn on the unit, the sleep power off time (counting down) will display on the LCD.

NOTE: If you don't want to reset the sleep power off time when use the radio next time, please press <  > shortly to turn on the radio.

3. When reach the sleep power off time, the radio will turn off automatically.

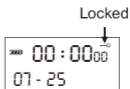
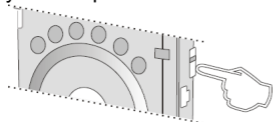
NOTE: While receiving the SW broadcast, the sleep power off time will not display on the LCD.

POWER OFF

After turning on the unit, press <  > shortly to turn it off.

LOCK SWITCH

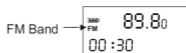
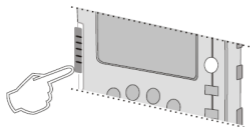
Push the <Lock Switch> to the lock position and lock the keys. Then push it back to unlock the keys.




RECEPTION OF A RADIO

SELECT THE BAND

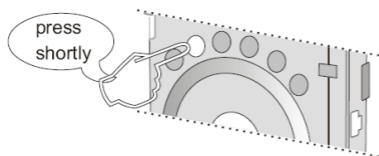
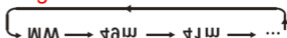
Push the <Working Mode Switch> to "FM" for listening to the FM broadcast; push to "MW.SW" for listening to MW/SW broadcast.



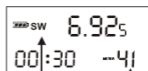
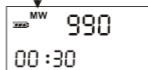
Press <  > shortly to change MW to SW.

Long press <  > to change between SW and MW.

Press <  > shortly:



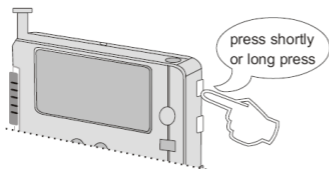
MW Band



SW Band
Meter Band

ADJUST THE VOLUME

Press <VOL+> or <VOL-> to change the volume.





Volume Levels

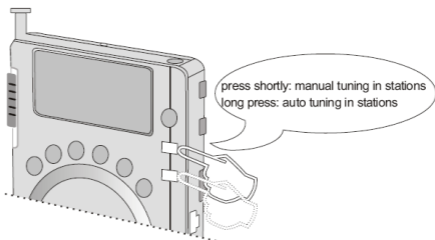
RECEPTION OF A RADIO

TUNING IN STATIONS



NOTE: While tuning the stations, you had better get very close to the window or stand on the outdoor field in order to avoid the disturb and gain the best reception.

Manual Tuning in Stations

1. Select the band.
2. Press <  > or <  > shortly to increase or decrease the frequency slowly. Please pay attention to the station signal indicator and stop pressing when receives the clear signal.





Auto Tuning in Stations

1. Select the band.
2. Long press <  > or <  > and the frequency will increase or decrease automatically. The unit will stop tuning when receives the clear signal. If the frequency is not very clear, please tune in the station manually.

NOTE: While tuning in the stations automatically, please don't use the adaptor, or else the unit will not respond.

Setting the FM Range

With the radio off, long press <  > about 5 seconds, "87" or "64" appears in the LCD display. if you release the button, "87" or "64" will disappear from the LCD display. If you want to change it, please long press <  > again.

RECEPTION OF A RADIO

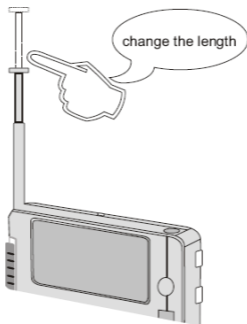
NOTES:

1. If you select "87", the FM range is "87.0-108.0MHz"; if you select "64", the FM range is "64.0-108.0MHz".
2. The unit can't memory the setting, after the circuit is cut off, the unit will resume to the initial factory setting (87.0 - 108.0 MHz) automatically.

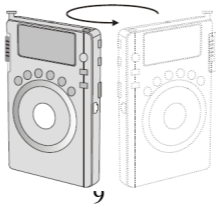


Using the Antenna

1. While listening to the FM and SW broadcast, please change the length of the telescopic antenna to get the best reception.




2. The MW (AM) ferrite-bar antenna is located inside the radio. It is strongly effected by the reception direction. While listening to the MW broadcast, please rotate the radio to find a position where the best reception can be searched.

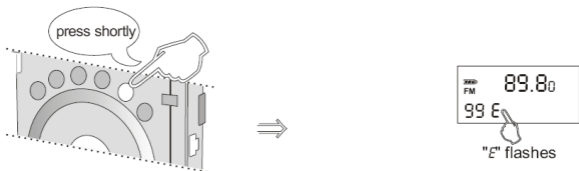




RECEPTION OF A RADIO

SAVING STATIONS

Manual Saving


1. Select the band.
2. Tune (manual or auto) in a station.
3. Press <  > shortly once and the memory icon "E" flashes.



4. Press <  > or <  > shortly to select the memory address.

NOTE: If the icon "C" displays near the "E", that's to say, the address has been saved the frequency. If you select this address to save the frequency, the old frequency will be replaced by the new one.




5. Press <  > shortly to confirm the saving. If you don't want to save, please press any key. Please remember the memory address, you can fold the frequency fast.

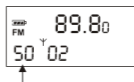
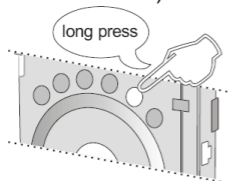
NOTES:

FM band: can memory 100 (00 ~ 99) frequencies;
MW band: can memory 25 (00 ~ 24) frequencies;
SW band: can memory 100 (00 ~ 99) frequencies.

RECEPTION OF A RADIO

Auto Tuning Storage (ATS)

1. Select the band.
2. Long press <  >, the frequency changes fast. That's to say, the radio is ATS. If receives the strong signal station, the radio will save automatically. (FM and SW freq. Will save from the 50th address, MW freq. will save from the 15th address.)





FM freq. will save from the 50th address.

NOTES:

1. While ATS, please get very close to the window or stand on the outdoor field to avoid the disturb and gain the best reception.
2. The new frequencies will cover the old ones if the radio is ATS once.
3. While ATS, please disconnect the adaptor and the radio in order to avoid the disturb by adaptor.

Recall the Stored Frequency

1. Select the band.
2. Press <  > or <  > shortly.



NOTE:



While recalling the stored frequency directly, the unit will jump over the empty address (has not saved station) automatically.

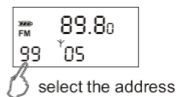
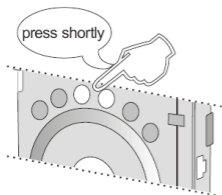
RECEPTION OF A



RADIO

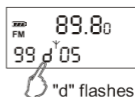
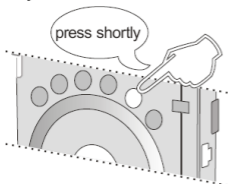
DELETE THE PRESET STATIONS

Delete One Preset Stations



1. Select the band.
2. Press <  > or <  > shortly to select the address where the frequency saved in.



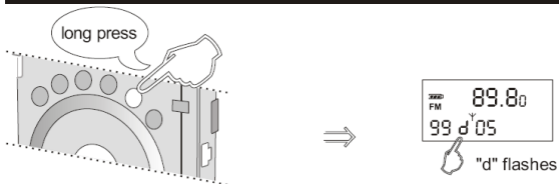
3. Press <  > shortly once, "d" displays and the memory address flashes.
4. While "d" flashing, press <  > shortly once to delete. If you don't want to delete, please press any key to exit.



Delete all the Preset Stations


1. Select the band.
2. Long press <  > and the "d" flashes.
3. While "d" flashing, press <  > shortly again to delete all the preset frequencies in the selected band. If you don't want to delete, please press any key to exit.

RECEPTION OF A RADIO



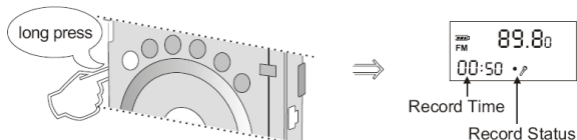
DIRECTLY MW (AM) / FM RECORDING



While listening to the FM or AM broadcast, you can record the programs directly.

1. Please adjust the volume to be the biggest while listening to the radio.
2. Long press <  >, the " ● " displays, the total of the recorded files and current record file displays and then enter the record status. Then the record time displays.

NOTES:

1. The record file numbers will be ordinal. If you have deleted some record files, the new record file numbers will be the deleted numbers ordinal.
2. While recording, please use the earphone to reduce the battery consumption.












3. Press <  > shortly to pause.
4. Press <  > shortly to stop recording.

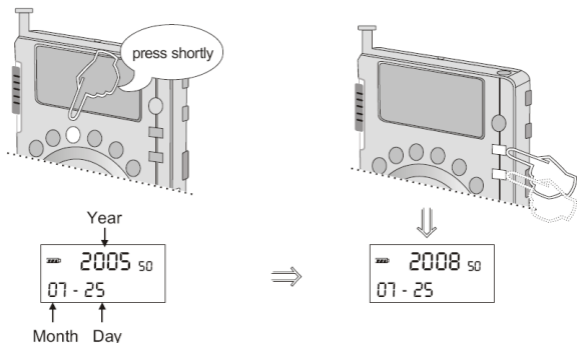
NOTES:

1. You can find the record files in the "REC" working mode.
2. While recording, the record time (minute and second) displays. If the record time is over one hour, the hour doesn't display and the record time (minute and second) displays from zero once again.
3. The unit supports at most 100 (00 ~ 99) record files. Please observe the record files number and delete the trashy record files in time.

ADJUST THE DATE AND TIME

ADJUST THE DATE

1. With the radio off, press <  > shortly once, the year flashes and press <  > or <  > to adjust the year.
2. After adjusting the year, press <  > shortly once again, the month flashes, pre  >  > to adjust the month.
3. After adjusting the month, press <  > shortly once again, the day flashes, press <  > or <  > to adjust the day.









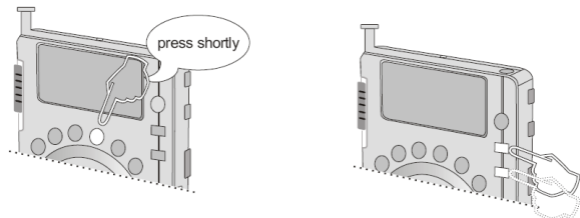
NOTES:

1. While adjusting, the waiting time between two steps only has a few seconds, please operate in time.
2. The unit can't memory the setting, after the circuit is cut off, the unit will resume to the initial factory setting automatically.

ADJUST THE DATE AND TIME

ADJUST THE TIME

1. With the radio off, press <  > shortly once, the hour flashes and press <  > or <  > to adjust the hour.
2. After adjusting the hour, press <  > shortly once gain, the minute flashes, press <  > or <  > to adjust the minute.





NOTES:

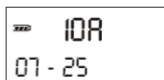
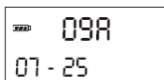
1. While adjusting, the waiting time between two steps only has a few seconds, please operate in time.
2. With the radio off and the clock mode is 12H, "P" will display in the under right corner of the LCD if the time is after 12:00.
3. The unit can't memory the setting, after the circuit is cut off, the unit will resume to the initial factory setting automatically.

SET THE MW (AM) STEP & CLOCK MODE

SET THE MW (AM) STEP (9KHz / 10KHz)

When in power off mode, long press <  > for about 5 seconds, "9A" or "10A" will display. If you want to change the step, please long press <  > once again.



NOTE: 9KHz for China; 10KHz for Europe and America.

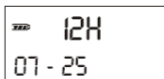
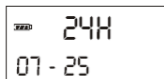


NOTE:

The unit can't memory the setting, after the circuit is cut off, the unit will resume to the initial factory setting automatically.

SET THE CLOCK MODE (12H / 24H)

With the radio off, long press <  > for about 5 seconds, "12H" or "24H" will display. If you want to change the clock mode, please long press <  > once again.







NOTES:

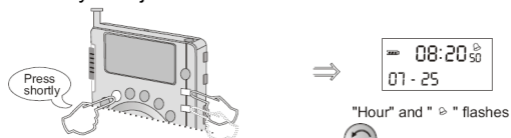
1. With the radio off and the clock mode is 12H, "P" will display in the under right corner of the LCD if the time is after 12:00.
2. With the radio on and the clock mode is 12H, "P" will display in the under left corner of the LCD if the time is after 12:00.
3. The unit can't memory the setting, after the circuit is cut off, the unit will resume to the initial factory setting automatically.





SET THE ALARM FUNCTION



SET THE ALARM TIME

1. With the radio off, press <  > shortly once, the hour and "  " flashes, then press <  > or <  > shortly to adjust the hour.



2. After adjusting the hour, press <  > shortly once again. the minute and "  " flashes, then press <  > or <  > shortly to adjust the minute.





NOTE: While adjusting, the waiting time between two steps only has a few seconds, please operate in time.

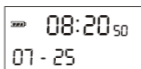
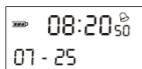
SET THE ALARM MODE

1. If you want to the unit will turn on and receive the **broadcast** when reaches the alarm time, please push the <Working Mode Switch> to "FM" or "MW.SW".
2. If you want to the unit will turn on and play the MP3 files or record files when reaches the alarm time, please push the <Working Mode Switch> to "MP3" or "REC".

NOTE: After the unit turns on automatically, the frequency / MP3 file / record file and volume is same as the status before the unit turned off last time.

OPEN / CLOSE THE ALARM FUNCTION


1. With the radio off, press <  > shortly once, "  " displays, that's to say, the alarm function is opened and the unit will turn on when reaches the alarm time.
2. With the radio off, press <  > shortly once, "  " disappears from the LCD display, that's to say, the alarm function is closed.

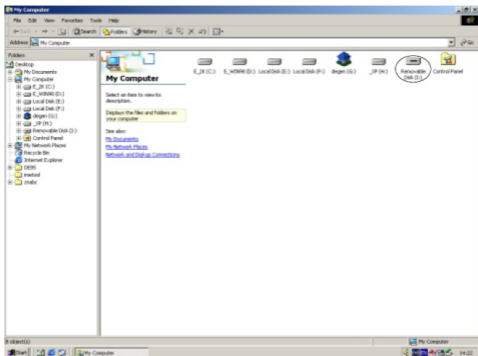



The alarm function is opened.


The alarm function is closed.

CONNECT THE RADIO AND PC

1. Push the <Working Mode Switch> to "MP3" **and turn on the unit.**
2. Connect the unit and PC via the supplied USB cable. Plug one port into the USB jack of the PC and plug the other port into the USB jack of the radio.
3. After the computer finds the new hardware, "  " will display in the task bar.
4. Click "My Computer" and enter, you will find a removable disk.



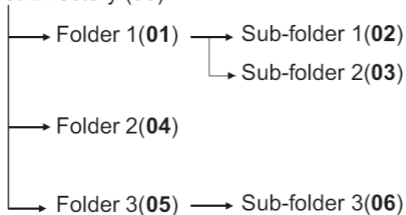
5. You can copy the MP3 format files into the removable disk. And you can delete the music files or the record files which are in the "VOICE" folder.
6. Close the removable disk window.
7. Click "  " and disconnect the unit and PC.

NOTE: If the computer can't find the new hardware, maybe it's because of the compatibility. Please disconnect the unit and PC, then press <  > shortly to turn on the unit. Push the <Working Mode Switch> to "MP3" and then connect the unit and PC via the supplied USB cable again.

SORT RULERS FOR FOLDERS & FILES

SORT RULERS FOR FOLDERS

Root Directory (00)



NOTES:

1. The numbers which are in the brackets are the serial numbers of folders. The serial numbers are made orderly and automatically according to the set up time of the folders. The folders which have no files will not have the serial numbers.
2. If there are MP3 files in every folder, the unit will play them orderly according to the serial numbers of folders.

NOTE: In every folder (include the folder which is the root directory), please don't set up too many folders. Or else, maybe the unit will not find some folders.



SORT RULERS FOR FILES

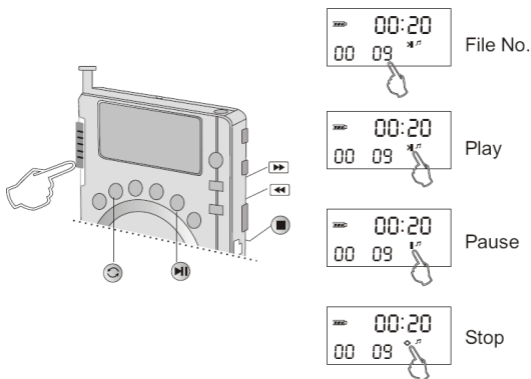
1. Note that you had better save at most 200 files in every folder.
2. Please save the MP3 and WAV files in different folders.
3. The unit will play the files orderly according to the copied time of the files. If you have copied multi-files once, the unit will play them orderly from the selected file.

PLAY MP3 & RECORD FILES



PLAY MP3 FILES

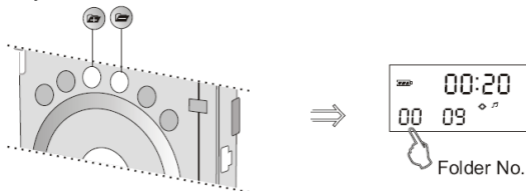
Play / Pause / Stop

1. Push the <Working Mode Switch> to "MP3".
2. Press <  > shortly to play / pause.
Press <  > shortly to stop playing.







Select the Folder

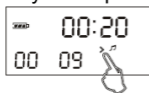
When in stop playing mode, press <  > or <  > shortly to select the folder.



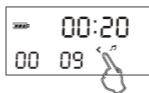
PLAY MP3 & RECORD FILES

FF / RW Play

While playing, long press <  > or <  > to FF / RW play. While FF / RW playing, press <  > or <  > shortly to keep on playing.




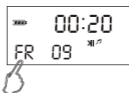
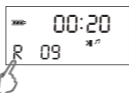
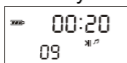
FF Play






RW Play

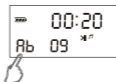
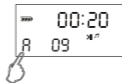
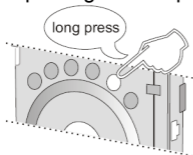
Select the Play Modes

While playing, press <  > shortly to select the play mode:
If nothing displays, the unit plays all the files circularly.
If "R" displays, the unit plays the current file circularly.
If "FR" displays, the unit plays all the files in this folder circularly.



A-B Repeat

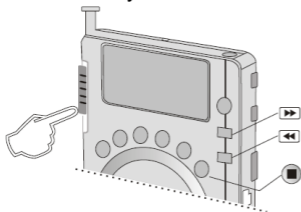
1. While playing the music, press <  > shortly once to set the starting point "A".
2. When reaches the suit position, press <  > shortly once again to set the ending point "B". Then the unit will play the A-B file repeatedly.
3. While repeating, press <  > shortly again to finish the repeating and keep on playing the music.





PLAY MP3 & RECORD FILES

Delete the MP3 Files

1. Push <Working Mode Switch> to "MP3".
2. Press <  > or <  > shortly to select the MP3 files which you want to delete.



3. Long press <  >, " dEL " displays.
4. Press <  > shortly to delete the selected file. If you don't want to delete, please press any key to exit.



PLAY MP3 & RECORD FILES

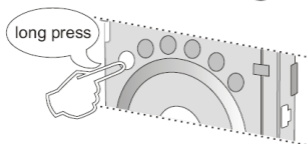
PLAY THE RECORD FILE

NOTES:

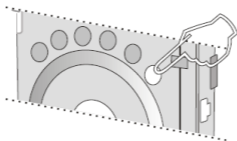
1. Please close the alarm function before recording. Or else the radio will stop recording and turn on suddenly when reaches the alarm time.
2. Please check if the battery power is enough.

Record

1. Push <Working Mode Switch> to "REC".
2. Long press <  " **displays**, the total of the recorded files and current record file displays and then enter the record mode. And the record time displays.
3. While recording, press < 



4. While recording, press < 



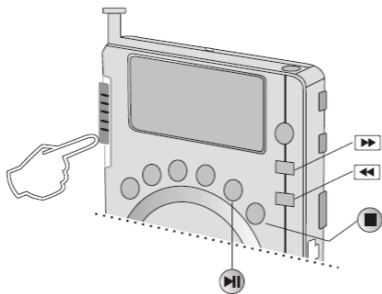
NOTES:









1. If the record time is over 99 hours, "E" will display and flash before entering the record mode.
2. The format of record files is WAV.
3. The record files will save in "VOICE" folder automatically. And the record file **numbers** will be ordinal. If you have deleted some record files, the new record file numbers will be the deleted numbers ordinal.

PLAY MP3 & RECORD FILES

Play the Record Files

1. Push <Working Mode Switch> to "REC".



2. Press <  > shortly to play / pause.
Press <  > or <  > shortly to select the record file.
Press <  > shortly to stop playing.
3. While playing, long press <  > or <  > to FF / RW play. While FF / RW playing, press <  > or <  > to keep on playing.
4. Regarding the "A-B Repeat", please refer to page 21.
5. Regarding the "Delete the Record Files", please refer to "Delete the MP3 Files" (page 22).

NOTE ERROR

- E01 Order parameter error (**e.g.:** Delete the file error, Appointed ID error, Not find the file)
- E02 No file to play (include: MUSIC, VOICE mode)
- E04 Set up directory failed (While recording, if not have RECORD folder, it will set it up)
- E05 No response
- E06 Folder is full (**e.g.:** There are at most 99 files in RECORD folder)
- E07 Disk capacity is not enough (While recording, the disk capacity is not enough)
- E08 Flash error (**e.g.:** Not format the disk, it will note while entering MUSIC, VOICE, RING, RECORD folder)
- E10 Recording error
- E12 Directory doesn't exist
- E53 In voice folder, no record files or record files error

SPECIFICATIONS

Specifications for Radio

1. Frequency Range
 - FM 87.0 - 108.0 MHz or 64.0 - 108.0 MHz
 - MW 522 - 1710 KHz
 - SW 2.30 - 23.00 MHz
2. Preset Memories(225): FM(100); MW(25); SW(100)
3. Noise Limit Sensitivity
 - FM $\leq 5 \mu V$
 - MW $\leq 2.5\text{mv/m}$
 - SW $\leq 50 \mu V$
4. Signal Selection $\geq 40\text{dB}$

Specifications for MP3

5. Memory 512M / 1G / 2G / 4G
6. Record Format WAV
7. Max. Record Time About 69H (32kbps 1G)
8. Battery Consumption About 15H (by earphone)
9. Earphone Output $\leq 10\text{mW} \times 2$
10. Communication Standard USB2.0 (high speed)
11. Access Rate
 - MP3: 16-320Kbps
 - WMA: 8-384Kbps
12. Max. Out Power: Approx 100mW
13. Max. Consumption Current: Approx 120mA
14. Power Source
 - Batteries: AAA*3
 - External Adaptor: 5V
15. Speaker D50mm
16. Earphone D3.5mm
17. Dimensions Approx 110 * 69 * 13mm
18. Weight: Approx 81g(excl. Batteries)

Kaito

KA1123

**FM STEREO · MW · SW DSP RECEIVER /
MP3 PLAYER / DIGITAL RECORDER**

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