

DEGEN

OPERATION MANUAL

FM STEREO · AM · SW DSP RECEIVER

MP3 PLAYER

DIGITAL RECORDER

REPEAT

LOUDSPEAKER



DE1129

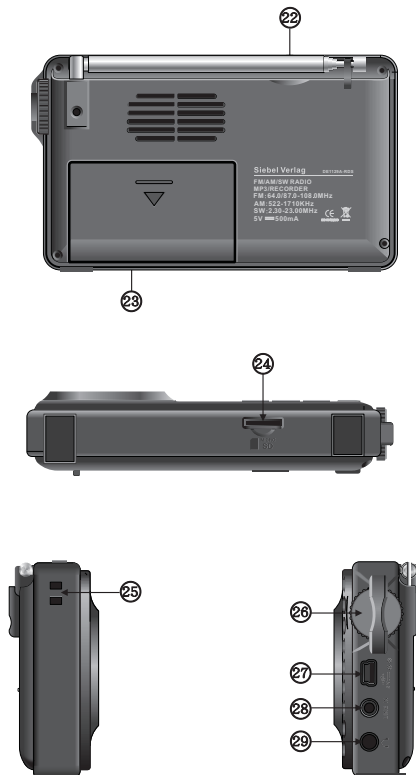
LOCATION OF CONTROLS



- ① Speaker
- ② Display
- ③ Menu: Press to enter
Hold to go back to main menu
- ④ Escape
- ⑤ Mute: Turn off/on speaker
- ⑥ Key lock: Hold to lock/unlock
- ⑦ M+
- ⑧ In radio mode: SW button(press in SW mode to change
M Bands)
In music mode: Directly shift repeat mode
- ⑨ M-
- ⑩ Record button: In radio mode, press to start recording
In other modes, hold to directly start MIC
recording

- ⑪ Volume+
- ⑫ In radio mode: Frequency+
- In music mode: Next song/FF
- ⑬ Volume-
- ⑭ Power on/off
- ⑮ Stop button
- ⑯ Play/Pause
- ⑰ AM button
In music mode: press to set A-B repeat
- ⑱ Frequency-
- In music mode: Preview song/REW
- ⑲ Radio/Music mode selection
- ⑳ FM stereo/moo selection
- ㉑ Built-in MIC
- ㉒ Antenna
- ㉓ Battery compartment
- ㉔ MICRO SD card slot
- ㉕ Strap hole
- ㉖ Tuning knob
- ㉗ Mini-USB jack
- ㉘ Line-in jack
- ㉙ Earphone jack

LOCATION OF CONTROLS



BATTERY POWER SUPPLY

Before initial use, open the battery compartment (behind the back stand), make sure the lithium battery is installed.

INSTALLING THE BATTERY

1. Turn off the unit and open the battery cover.
2. Install the provided lithium battery according to the battery polarity.
3. Close the battery cover.

BATTERY CONSUMPTION INDICATION



1. Full



2. Medium




3. Low



4. Exhausted

CHARGING THE LITHIUM BATTERY

To charge the battery, connect the unit to the mini-USB port and opposite end to a power source(5V DC/ $\geq 500\text{mA}$, not provided). While charging, the battery symbol shown on the display “” moves from right to left, and stops when the battery is full charged.

A computer with a USB jack can also be used as a power source to charge the battery.

After installing the lithium battery, connect the unit and the computer with the provided USB cable to charge the battery.



Left side





Mini-USB jack

- Note:** 1. Please turn off the radio while charging the battery to avoid interference.
2. Prior to first use, fully charge and drain the battery three times to extend the battery's life.

- Caution:** 1. Improperly change of battery will cause explosion, please only use recommended type of battery.
2. Do not expose the battery to strong sunlight, heat or other high temperature environment.
3. Do not use the unit when charging with PC to prevent any damage to computer power source.

MAIN MENU

TURN ON/OFF THE UNIT

1. Turn ON/OFF manually: Press the  button.
2. Turn off the unit by using “Alarm off” or “Sleep timer”.
3. Auto Turn Off: The unit will turn off automatically in 3 minutes if not in either Recording, Music or Radio playing mode.




Note: If the unit can not be turned on/off, please check the battery or the key lock button.

MAIN MENU

In any Mode, hold the  button or press the  button can go back to Main Menu.



Main Menu

In Main Menu mode, rotate the Tuning Knob or press the  or  button to select either of below function and press the  to enter.

FM Radio: FM/AM/SW Radio

Music: MP3 music play mode

Record: MIC Recording mode

Voice: Recording file play mode

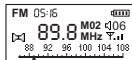
Ebook: Text reading mode (Support TXT)

Sys Set (system setting): Time set, date set, calendar info, alarm set, backlight, language, sleep timer, power off mode, contrast, memory info, firmware version, firmware upgrade, date format, time format, exit.

CHOOSE BANDS

FM RADIO

In Main menu, select [FM Radio] by press the Menu button.



FM Radio

Press the < **RADIO** > button to enter either Radio or Music mode.

In Radio Mode, press the < **FM** >, < **AM** > or < **SW** > button to select your desired band. The top left corner of the display will show the band you are listening to. When listening to SW, press the < **SW** > button can change < **m** > bands.

In Radio mode, press the < **MENU** > button to enter radio menu. Rotate the Tuning knob or press the < **◀** >, < **▶** > button to select either of the below functions:

- **Save:** Manual store the station into memory from 1~50
- **Record:** Select 129k/40k BPS direct radio recording
- **Delete:** Delete single memory
- **Delete all:** Delete all stored memory
- **ATS:** Auto tunes and store all stations into memory
- **Normal Band:** 87~108MHz
- **Japan Band:** 76~90MHz
- **School Band:** 64~108MHz
- **Open RDS:** Press to Open/Close RDS
- **Update RDS time:** Syn the RDS time to the unit
- **AM Spacing Switch:** Repeatedly press to select 9K/10K tuning step and direct enter AM listening
 - 9K Frequency range: 522~1710KHz
 - 10K Frequency range: 520~1710KHz
- **Exit**

TUNE IN STATIONS

VOLUME ADJUSTMENT

Press the < **V+** > or < **V-** > button to adjust your desired volume level, the display will show the volume level. Repeatedly press the < **MUTE** > button to turn on/off the speaker.

FM STEREO/MONO SELECTION

To activate stereo listening, press the < **FM** > button and the display will show < **st** > symbol; press again to deactivate, and the mono symbol < **mono** > will show.

- Note: 1. Do not use stereo when listening to stations with weak signal, because the decoding process of stereo will cause a lot of noise.
2. If you select stereo listening, but the < **st** > symbol is not shown on the display, it is because the signal of the station is too weak.

ANTENNA RECEPTION

1. It only works when listen to FM and SW.
2. When listen to FM or SW, you can change the length of the antenna according to the signal intensity to get better reception.

TUNE IN STATIONS

USING BUILT-IN ANTENNA

1. It only works when listen to AM Broadcast..
2. While listening to AM station, rotate the radio to find the position which gives the best reception, as the built-in ferrite bar is located inside the unit and it is strongly affected by the direction of placing of the unit.

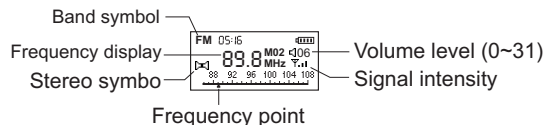
Note: 1. To have better reception, go near a window when tuning indoor.
2. Keep away from electrical equipment, AC power supply when using the unit to avoid interference.
3. Do not use the unit while charging because of the interference.

MANUAL TUNING

Turn on the radio and select [FM Radio] in Main menu, Press the **[MENU]** button to enter, then choose your desired band by pressing on either the FM, AM or SW button.

Using either of the methods below to tune into your desired station:

1. Rotate the Tuning Knob or press the **[< >]**, **[< >]** button.



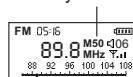
2. Press and hold the **[< >]** or **[< >]** button for about two seconds, then release to auto tune into the next available station.

STORING STATIONS

AUTO TUNING STORAGE(ATS)

In radio mode, press the **[MENU]** button and rotate the Tuning knob to select [ATS]. Press the **[MENU]** button again to start auto scan and store the available stations within the memories.

Memory Locations



Memory Locations:

FM/SW(ATS): M51 ~ M99

AM (ATS): M26 ~ M50

NOTE: Do not use ATS while charging the unit to avoid interference.

STORING STATIONS MANUALLY

Select your desired station, press the **[MENU]** button and rotate the Tuning knob to select [Save], then rotate the Tuning knob or press the **[< >]**, **[< >]** button to select memory location from 1~50 in FM/SW mode or 1~25 in AM mode. Press the **[MENU]** button again to confirm.

Memory Locations:

FM/SW(manual storage): M1 ~ M50

AM(manual storage): M1 ~ M25

LISTENING TO STORED MEMORIES

After storing stations into memory, press the **[M-]** or **[M+]** button with the memory address M01~M99 shown on the display(next to the frequency) to select your desired station memory.

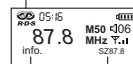
DELETE SINGLE/ALL MEMORIES

Press the **<MENU>** button in radio mode, and rotate the Tuning knob to select either **<Delete>** or **<Delete All>** and press the **<MENU>** button again to delete single memory or all memories.

FM RDS

1. Select an FM station, press the **<MENU>** button and select **<Open RDS>**, the symbol **<RDS>** will show on the display.
2. Press the **<HI>** button to shift the transmitted details (display on the bottom of the screen).

RDS is on



PTY

PS

PTY: Program Type

PS: Station Name

RT: Station Text Message (Only display if the station has transmitted)

CT: Update RDS time (wait about 2-3 minutes to get the RDS time)

3. Update RDS time: Only when the time shows on the display, press the **<MENU>** button and rotate the Tuning knob to select **<Update RDS Time>**.
4. Press the **<MENU>** button and rotate the Tuning knob to select **<Close RDS>** to turn RDS off.

Note: 1. You can receive the RDS information only if the station has this function.
2. You can get the complete RDS information when the signal is full. If the RDS signal is weak, please find another location to receive clear reception.

RECORD RADIO

RECORD RADIO

While listen to the FM/AM/SW stations, you can directly record the programs by following the steps below:

1. Adjust the volume level up to 10 (minimum).
2. Press the **<MENU>** button and select [Record], then rotate the Tuning knob to choose either of below recording formats:
 - 129k BPS (WAV format, max 68 hours, 4G,)
 - 40k BPS (MP3 format, max 215 hours, 4G)
3. Press the **<MENU>** button to confirm your selection and start recording. The timer on the display starts to count.
4. Press the **<PAUSE>** button to pause and press it again to restart, press the **<STOP>** button to stop and auto store the recorded file into the memory.

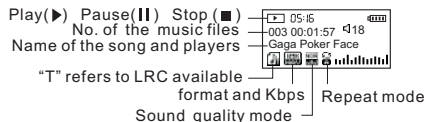
All recorded files can be located in the <Voice> folder of the <Main Menu>.

Note: A shortcut to the recording function is to directly press the **<REC>** button, recording format is according to your last selection.

LISTEN TO MP3 FILES



LISTEN TO MP3 FILES

1. Turn on the unit and select [Music] from Main menu, then press the **<MENU>** button to enter.




2. Rotate the Tuning Knob or press the **<PREV>** or **<NEXT>** button to select music file.
To search for a particular song, you can press the **<MENU>** button in Stop Playing Mode and select Local folder to find.
3. Press the **<PAUSE>** button to play, press it again to pause; press the **<STOP>** button to stop.
4. While playing music file, press the **<MENU>** button to enter the following settings:
 - Repeat: Normal [**<1>**], Repeat One [**<2>**], Repeat All [**<3>**], Random [**<4>**]
 - Equalizer: Natural, Rock, Pop, Classic, Soft, Jazz, Bass, 3D sound
 - Tempo rate: -8 to 8 levels, 0 refers to normal speed.
 - Lyrics: Press the **<MENU>** button to turn on/off
 - Exit

Note: 1. A shortcut to the Music playing in radio mode is to directly press the **<RADIO MP3>** button.
2. The Lyrics must be in LRC format, use the same name as the song and must be located in the same folder.


3. When playing the music, press the  and the  button can directly shift Repeat Type and Equalizer.
4. Bass equalizer is used for earphone listening, please select other equalizer when using speaker.

LISTEN TO THE FILES IN THE SD CARD




Transfer your selected MP3 format music files into the MICRO-SD card, insert the SD card into the slot at the bottom of the unit. Then turn on the unit, press the  button in the music mode to enter the [music playing menu], and find the files.

- NOTE: 1. Do not extract or insert the SD card when the unit is on. It may cause unit dead or file missing.
2. SD card can not save recording files, recorded files can only be saved in the <Voice> folder.

DELETE MUSIC FILES






While not playing any music, press the  button to enter the following settings:

- Local folder: Select music file
- Delete file: Delete a single music file
- Delete all: Delete all music files
- Exit

To operate above settings, press the  button to enter or confirm, rotate the Tuning Knob or press the ,  button for selection.

Note: You can also connect the unit to the computer to delete files.

A-B REPEAT

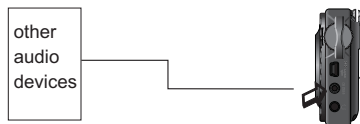
When playing the music, press  once to activate,  appears on the display with "A" flashes, press  again to set the starting point "A", then "B" flashes. When reaches your desired position, press  again to set the ending point "B". Then the unit will repeat from A to B. While repeating, press  can cancel the repeating and keep on playing the music.

USE AS AN ACTIVE LOUDSPEAKER

USE AS AN ACTIVE LOUDSPEAKER(LINE-IN)

Connect the unit to other medias(MP3, voice recorder, Laptop, etc.) with a Line-in cable, can increase the sound of the connected media.

1. Plug one end of the Line-in cable to the earphone jack of the audio equipment, and the other end into the Line-in jack of the unit.



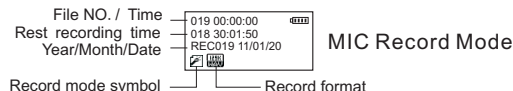
2. Turn on the unit and select [FM Radio] in [Main Menu], press the **<MENU>** button to enter.
3. Adjust the volume to a proper level, turn on the audio equipment, the sound will come out from the speaker of the unit.

NOTE: Only under [FM Radio] mode, can the unit be used as an active loudspeaker.

MIC RECORD

MIC RECORD

Select [Record] in [Main Menu], press the **<MENU>** button to enter.



1. Press the **<MENU>** button to select REC type:
 - Long Rec (Long time recording- 64K, WAV format)
 - High Rec (High quality recording- 129K, WAV format)
 - Fine VOR (High quality voice sensor recording- 128K, VOR format)

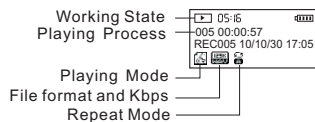
Fine VOR: If the audio source volume is too low, the recording will pause until the audio source volume increase to a recognizable level.

2. After select desired record format, press the **<REC>** button to start, press the **<M>** button to pause/restart, and press the **<■>** button to stop. And the recorded file can be found in the local folder of [Voice] .

LISTEN TO RECORDING FILES

LISTEN TO RECORDING FILES

1. Select [Voice] in [Main Menu] and press the < MENU > button to enter.
2. Press the < ⏮ > or < ⏭ > button to select file.
3. Press the < ⏸ > to play/pause the recorded file; press the < ⏹ > button to stop.



Note: While not playing, you can press the Tuning Knob and select <Local Folder> to find particular recording file.

- Local folder
- Delete file
- Delete all
- Exit

4. While playing recording files, press the < MENU > button to enter the following settings:

- Repeat: Normal, Repeat One, Repeat All, Random
- Tempo rate: -8 to 8 levels
- Exit

Note: Tempo rate "0" is the normal playing speed, positive number to speed up, negative number to slow down.

WORKING WITH EBOOK

WORKING WITH EBOOK

1. Select [Ebook] in [Main Menu], press the < MENU > button to enter.
 2. Select your desired file by rotating the Tuning Knob, and press the < MENU > button to enter below settings:
 - Local Folder: Select Particular File, press < ⏸ > to play.
 - Play set: Manual or Auto play file
(1~10 seconds page changing time for auto play)
 - Delete file: Delete a single file by rotating the Tuning Knob and select [Yes] to delete; [No] to exit.
 - Delete all: Delete all files by rotating the Tuning Knob to select [Yes] to delete; [No] to exit.
 - Exit
- In manual play mode, rotate the Tuning Knob or press the < ⏮ >, < ⏭ > button to change the page; press the < ⏹ > button to exit.

3. While reading, you can press the < MENU > button to enter:
 - Bookmark Select
 - Bookmark Delete
 - Bookmark Add
 - Exit

Note: Before using Ebook function, please first format your file to ".txt", then copy to the [Ebook] folder.

SYSTEM SETTING

In [Main Menu] mode, rotate the Tuning knob to select [Sys Set], press the <MENU> button to enter below settings:

Note: Selection time for each step is about 5 seconds.

- Time set
- Date set
- Calendar Info
- Alarm set
- Backlight
- Language
- Sleep Timer
- Power off mode
- Contrast
- Memory intro
- Firmware version
- Firmware upgrade
- Date format
- Time format
- Exit

Rotate the Tuning knob or press the <◀>, <▶> button to select your desired function, and press the Tuning knob to enter; press the <ESC> button to exit.

TIME SET

TIME SET

1. Select [Time Set] in Sys Set Mode by rotating the Tuning knob.
2. Press the <MENU> button and notice the hour-indicator flashes, then rotate the Tuning knob or press the <◀>, <▶> button to adjust the hour; Press the <MENU> button and notice the minute-indicator flashes, then rotate the Tuning knob to adjust the minute; Press the <MENU> button and notice the second-indicator flashes, then rotate the Tuning knob to adjust second.
3. Press the <MENU> button to confirm time setting.



DATE SET







1. Select [Date set] in Sys Set Mode.
2. Press the <MENU> button to enter and notice the year flashes, rotate the Tuning Knob or press the <◀>, <▶> button to adjust the year, press the Tuning Knob to confirm; Then adjust the month and date with the same methods.
3. Press the Tuning Knob to confirm.




CALENDAR INFO

Select [Calendar Info] in Sys Set Mode, press the <MENU> button to display the calendar information for few seconds.


ALARM SET


1. Select [Alarm] in Sys Set mode and press the  button, [New] appears on the display.
2. Press the  button again to enter the new alarm setting, [Normal alarm/ Power off/ Power on/ Exit] appears.
3. Rotate the Tuning knob to select [Normal Alarm] and press the  button. Now [Only Once/ Daily] shows on the display.
4. Rotate the Tuning knob to select either [Only Once/Daily], press the  button to enter [Alarm Time Setting].
5. Rotate the Tuning knob to adjust hours, minutes and seconds. Press the  button to confirm. Now it shows [Yes/No] and [Do you want to add?] on the display.
6. Rotate the Tuning knob to select [Yes], press the  button to confirm and enter the below setting sections:
 - Sleep Time: 1~30 minutes SNOOZE timer
 - Play Time: 1~30 minutes alarm time
 - Alarm Count: 1~30 alarm count
 - Alarm Music: Audio/Record alarm music selection
 - Alarm Volume: 1~31 level
 - Alarm Preview: Alarm with your preset music
 - Exit: Exit the alarm setting

Press the  button to turn off the alarm, and press any other buttons to pause the alarm, and it will play again in few minutes.

NOTE: You can totally set 6 alarms.

ALARM ON

1. Select [Alarm On] under [New] in [Alarm set], follow the steps of the normal alarm set. After confirming the time, rotate the Tuning Knob to select [Yes], press the  button to confirm and enter the following selections:
 - Radio: Listens to the last radio station (when auto turned on)
 - Music Audio: Plays the last music file (when auto turned on)
 - Mic Record: Records via MIC (when auto turned on)
 - Radio Record: Listens to and recording the last radio station (when auto turned on)

Note: 1. [Normal Alarm], [Power on] timer, [Power off] timer settings share the same steps.
2. You can Activate/Deactivate/Delete/Reset the alarm by press the  button after selecting the particular alarm in [Alarm Set] mode.



- Alarm Symbol



- Alarm Activated



- Alarm Deactivated



ALARM OFF

Select [Alarm Set] in Sys Set mode and press the Tuning Knob to enter. [New] appears on the display. Press the Tuning Knob again, [Normal Alarm, Power off, Power on, Exit] appears. Rotate the Tuning Knob to select [Power off], then following the same steps in [Alarm Set].


Note: If the setting time of [Sleep Timer] is earlier than that of the [Alarm off], the [Sleep Timer] has the priority.

SLEEP TIMER




BACKLIGHT TIMER


Select [Backlight] in Sys Set mode, press the <  > button to enter, then rotate the Tuning knob to adjust the lighting timer from 5~30 seconds. Press the <  > button to confirm and exit.

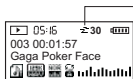
LANGUAGE SELECTION

Select [Language] in Sys Set mode, press the <  > button to enter, then rotate the Tuning knob to select your desired languages.

SLEEP TIMER

Select [Sleep Timer] in Sys Set mode, press the <  > button to enter, then rotate the Tuning knob or press the <  >, <  > button to adjust the auto turn off timer from 0~90, select "0" to turn off the sleep timer.


After set the sleep timer, <  > will shown on the display and a counting number next to the symbol.




Sleep Timer Symbol

POWER OFF MODE


POWER OFF MODE

Select [Power Off] in Sys Set mode, press the <  > button to enter and rotate the Tuning knob to enter the below settings:




Standby mode: After turn off the unit, you can check time by press any button.

Sleep mode: After turn off the unit, only the <  > button works. This mode can save more electricity.

CONTRAST SETTING

Select [Contrast] in Sys Set mode and press the <  > button to enter. The brightness level 0~16 appears on the display, rotate the Tuning knob to adjust, and then press the Tuning knob to confirm and exit.

MEMORY INFO

Select [Memory Info] in Sys Set Mode and press the <  > button to display the memory status. Press the <  >, <  > can shift checking the memory status of the unit or the SD card.

DATE FORMAT

DATE FORMAT

Select [Date Format] in Sys Set mode and press the <MENU> button, then rotate the Tuning knob to select the following date format:

- yyyy mm dd
- mm dd yyyy
- dd mm yyyy
- Exit

Press the <MENU> button to confirm selection or wait for 5 seconds to automatically cancel and exit.

TIME FORMAT

Select [Time Format] in Sys Set mode, press the <MENU> button, then rotate the Tuning knob to select your desired time format, and press the <MENU> button to confirm.

- 12 Hour Mode
- 24 Hour Mode
- Exit

FIRMWARE UPGRADE

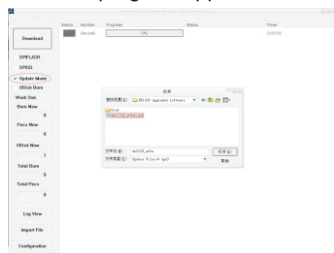
FIRMWARE UPGRADE

Before upgrade, please remove or copy the files in the unit to save place.

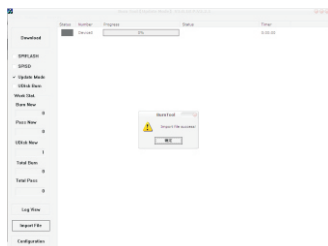
1. Download the upgraded firmware from our website to a computer. (<http://www.degen.com.cn>)
2. Use the provided USB cable to connect both unit and computer, then transfer the data to the unit.
3. Disconnect the USB cable, then turn on the unit and select [Firmware Upgrade] in Sys Set mode.
4. Press the <MENU> button and select [Local Folder] to enter firmware upgrade software. [Updating, please wait!] appears on the display.
5. After [Updating Success!] appears on the display, the unit will turn off automatically.
6. Remove the battery and insert few seconds latter.

If the unit can not be turned on, please use a computer to upgrade by the following steps:

1. Download the ungraded firmware from our website to a computer.
2. Open [Burn Tool] under the DE1129 Firmware Upgrade Folder. The below program appears on the screen:



3. Select [Update Mode], and click [Import File] to choose the "DE1129***.upd", then connect DE1129 and computer with provided USB cable. Click [Download].





4. The [Device 0,0%] advancing till 100%, and the process bar turn to green.
5. Disconnect the unit and computer, the unit will turn on automatically.

Note: 1. If the upgrade fails, cancel the selection of [Update Mode], and follow the same steps again. But please remove your files in the unit before this operation.
2. If the computer is not incompatible with the unit, please try another computer.



KEY LOCK

To activate the locking function, press the <  > button, and the key lock symbol "  " appears on the display; press it again with the symbol disappear to deactivate.

Note: If the unit has no response to any operation, please first check if the key lock symbol is shown on the display, please deactivate it before any operation.

SPECIFICATIONS

Specifications for Radio

1. Frequency Range

FM	87.0 - 108.0MHz or 64.0 - 108.0MHz
AM	522 - 1710 KHz
SW	2.30 - 23.00 MHz

2. Preset Memories: FM 99 AM 50 SW 99

3. Noise Limit Sensitivity

FM	$\leq 5 \mu V$
AM	$\leq 2.5\text{mv/m}$
SW	$\leq 50 \mu V$

4. Signal Selection $\geq 40\text{dB}$

Specifications for MP3

5. Memory 4G

6. Record Format WAV/MP3

7. Max. Record Time about 215H (40kbps, MP3 format, 4G)

8. Earphone Output $\leq 10\text{mW} \times 2$

9. Communication Standard USB2.0(high speed)

10. Access Rate MP3: 16-320Kbps WMA: 8-384Kbps

11. Max. Out Power (Speaker) $\geq 500\text{mW}$

12. Power Source

Built-in Lithium Battery: 3.7V

External Adaptor: 5V \pm 300~500mA

13. Lithium Battery Consumption (Volume is 22 Level)

MP3: About 4H(by Speaker) Radio: About 4H (by Speaker)

14. Speaker D40mm

15. Earphone D3.5mm

16. Dimensions Approx 130 * 78 * 30 mm

17. Weight Approx 170g (not incl. battery)