



DEGEN

OPERATION

MANUAL

DE1131

FM STEREO • MW • SW DSP RECEIVER

MP3 PLAYER

DIGITAL RECORDER

REPEAT



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Support firmware upgrade, please visit
<http://www.degen.com.cn>

Thank you for purchasing DEGEN products.
Please read this manual thoroughly before
operating and keep this book in a safe place
for future reference.

Included items:

✓ **DE1131**



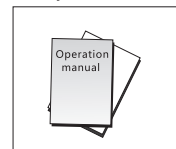
✓ Lithium battery



✓ USB cable



✓ Operation manual



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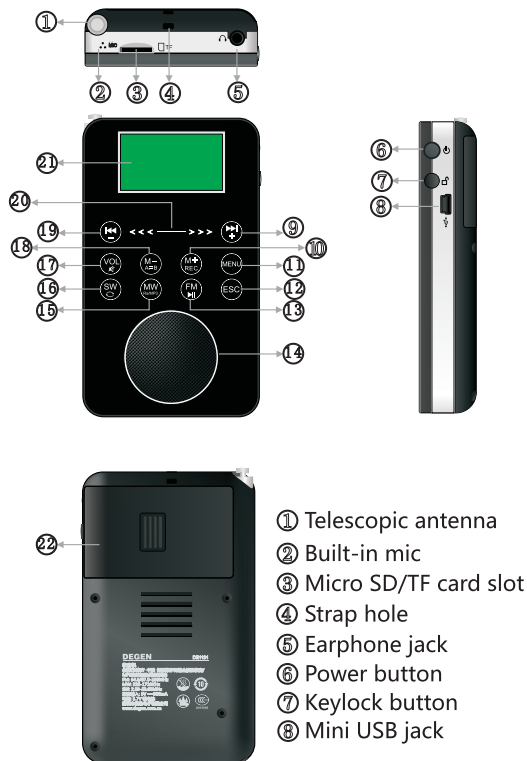
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LOCATION OF CONTROLS

LOCATION OF CONTROLS



- ① Telescopic antenna
- ② Built-in mic
- ③ Micro SD/TF card slot
- ④ Strap hole
- ⑤ Earphone jack
- ⑥ Power button
- ⑦ Keylock button
- ⑧ Mini USB jack

LOCATION OF CONTROLS

- ⑨ In radio mode: Manual/Auto tuning, Freq.+
In music mode: Next song/Fast forward
- ⑩ In radio mode: M+, long press to record radio
In MIC record mode: Press to start MIC recording
In other modes: Long press to enter MIC recording
- ⑪ Menu button: Press to enter menu or confirm
- ⑫ Escape/Mainmenu
In radio/MIC record mode: Press to end recording and auto store the recorded file into the memory
- ⑬ In radio mode: FM button, press to select FM stereo/mono listening
In music mode: Play/Pause
In MIC record mode: Pause
- ⑭ Speaker
- ⑮ In radio mode: MW button, long press to shift between radio and music mode
In music mode: Press to select equalizer
- ⑯ In radio mode: SW button, press in SW listening to change M bands
In music mode: Press to select repeat mode
- ⑰ Volume button: Press to enter volume adjustment, long press to mute
- ⑱ In radio mode: M-
In music mode: A-B repeat
- ⑲ <<<—>>> : Slide button
- ⑳ In radio mode: Slide to tune in stations
In music mode: Slide to select songs
In menu: Slide to choose submenu items
In volume control: Slide to adjust volume level
- ㉑ Display
- ㉒ Battery compartment

DEFINITION OF KEY OPERATIONS



DEFINITION OF KEY OPERATIONS

All the keys on the front operation panel are touch keys, use your finger pulp to operate. The unit is operated by four ways: Short press, Long press, Press & hold and Slide. Unless expressly specified, all the key operations mentioned are short press.

Short press: Press the key once, and the function starts to work.

Long press: Press and hold for more than 2 seconds, function commences and it works only one time.

Press & hold: Press and hold the key from function commences until stop, the function works several times in a certain frequency, such as fast forward/backward.

Slide:  <<<—>>> 

Touch in the middle of the key and slide to either end to quicken the adjusting speed, keep holding on when reaching the end to continue speeding up, loosen to stop.

BATTERY POWER SUPPLY

Please use the lithium battery approved by DEGEN to power this product. A lithium battery is attached with this product. Do not use any un-qualified battery that may cause problems or dangers such as inflammation or explosion.

BATTERY POWER SUPPLY

INSTALLING THE BATTERY

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

BATTERY CONSUMPTION INDICATOR



1. Full



2. Slightly less



3. Low, please charge




4. Depleted

CHARGING THE LITHIUM BATTERY


External Adaptor (not included)

Please use a matched adaptor (5V DC/500mA, with a USB/mini USB port) to charge the unit.

1. Install the lithium battery.
2. To charge the battery, connect the unit to the mini-USB port and opposite end to a power source.
3. While charging, the battery symbol shown on the display  moves from right to left, and stops when the battery is fully charged.

POWER ON/OFF



Charging via computer

1. Connect the unit and the computer with the provided USB cable.
2. While charging, the battery symbol shown on the display  moves from right to left.
3. The battery symbol stops moving when the battery is fully charged.


NOTE:

1. Prior to first use, fully charge and drain the battery three times to give the battery a better performance.
2. Alternating current can interfere the radio signal, so it is not recommended to listen to the radio when charging via adaptor.
3. Do not turn on the unit when the adaptor output current is less than 800mA.
4. Do not use the unit when charging via computer to avoid damage to the computer power.

POWER ON/OFF



1. Turn on/off manually: Press the <  > button.
If the keys are locked, please first unlock keys, then press the <  > button to turn off.
2. Auto turn off: The unit will turn off automatically in 3 minutes if not in either recording, music or radio playing mode.

NOTE:

1. If nothing shown in the display, please check the battery.
2. If the unit can not be turned on, and the keylock symbol [] shows in the display, please first unlock keys.

MAIN MENU




KEYLOCK FUNCTION

When the backlight goes out, the keys will be locked in the meantime, the keylock symbol [] shows in the display. Press <  > to unlock keys with the backlight lights up and keylock symbol disappears.

NOTE:

The backlight lighting timer can be set under [Sys set]. As the keylock function will be activated with backlight goes out, it is recommended to set backlight timer more than 10 seconds to ensure enough time for key operations.

MAIN MENU

In Main Menu, press <  > or <  > to select either of the below functions and press <  > to enter.



Main Menu

Radio: listen to radio broadcastings.


Music: music playback.

Record: MIC recording.

Voice: recording file playback.


Ebook: text reading.

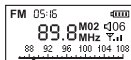
Sys Set (System Setting): Time set, Date set, Calendar info., Alarm set, Backlight, Language, Sleep timer, Power off mode, Contrast, Key sound off (on), Memory info., Firmware version, Firmware upgrade, Date format, Time format, Exit.

In any mode, press <  > can go back to Main Menu.


RADIO

RADIO




Select [Radio] in Main Menu and press <  > to enter.



Radio mode




Quick guide: In music mode, press  can directly shift to radio mode.

Choose bands

In radio mode, press ,  or  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 <  > to change M bands.





Select FM frequency range


When listening to FM, press  to enter below sub-menu, press  or  to select.

- **Save:** Store the station into memory manually
- **Record:** Select 129k/96k BPS radio recording
- **Delete:** Delete single memory
- **Delete all:** Delete all stored memories
- **ATS:** Auto tuning storage
- **Normal Band** (87-108MHz)
- **Japan Band** (76-90MHz)
- **School Band** (64-108MHz)
- **Exit**



VOLUME ADJUSTMENT

Volume adjustment

Press  to enter volume control, press ,  or touch in the middle of  (Slide button) and slide to either end to adjust your desired volume level.

Long press  to mute, long press it again to recover sound.


FM stereo/mono selection

When listening to FM, press **<  >** to select stereo/mono listening. If **[>=1]** shows in the display, stereo listening is selected, press **<  >** again to change to mono listening and the mono symbol **[<=1]** will show.

Suggestions:

1. Stereo listening is for strong signal broadcasts and music programs.
2. For weak signal broadcasts or voice programs, please choose mono. (Because stereo decoding may produce noises)

NOTE:

If you selected stereo listening, but  symbol is not shown in the display, it indicates the signal of the station is too weak. The default of FM listening is mono.

Tuning in stations

When tuning into stations, please avoid dense areas of buildings, electrical equipments and AC power disturbances. Optimal use of the antenna can improve signal reception.

TUNE IN STATIONS

Using telescopic antenna:

It only works when listening to FM and SW.

When listening to FM or SW, change the length of the telescopic antenna according to the signal intensity to get better reception.

Using built-in antenna:

It only works when listening to MW broadcasts.

While listening to MW stations, 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 the unit.

Suggestions:

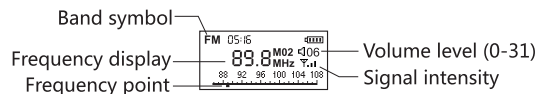
When tuning indoors, try the balcony or go near a window for better reception.

While tuning or listening to the radio, disconnect the USB connection.

AC current can interfere with the radio reception, it is not recommended to use the unit when charging the battery.

Manual tuning:

1. Turn on the unit and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.
3. Press $\langle \text{FM} \rangle$ or $\langle \text{MW} \rangle$ to tune into a station, frequency will change a step with each pressing, stop pressing when get a satisfactory station.



TUNE IN STATIONS

Auto tuning:

1. Turn on the unit and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.
3. Press and hold $\langle \text{FM} \rangle$ or $\langle \text{MW} \rangle$ for about 2 seconds, then release to auto tune into the next available station. If the auto-tuned station frequency is inaccurate, please use manual tuning to find the accurate frequency point.

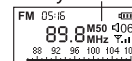
Slide tuning:

1. Turn on the unit and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.
3. Touch in the middle of $\langle \text{FM} \rangle \lll \text{---} \ggg \langle \text{MW} \rangle$ with your finger pulp and slide to either end, the frequency shown in the display will change, keep attention on the signal intensity symbol, release your finger when receive a strong signal. If the tuned station frequency is inaccurate, use manual tuning to adjust.

Auto tuning storage:

1. Turn on the unit and select [Radio] in Main Menu.
2. Adjust the volume to an appropriate level and choose your desired band.
3. Press $\langle \text{MEM} \rangle$ to open the sub-menu and select [ATS], press $\langle \text{MEM} \rangle$ again to start auto tuning and store all available stations into memory.

Memory location



STORING STATIONS MANUALLY

Memory locations for ATS:








FM / SW: M51 - M99



MW: M26 - M50

NOTE:

Please choose lithium battery to power the unit when use ATS to avoid current interference.

Storing stations manually

1. Tune into a station by manual tuning or auto tuning.
2. Press  to open the sub-menu and select [Save], press  again to enter and press ,  or slide  <<<—>>>  to select memory location.
3. Press  to confirm your selection.

After storing stations into memory, press  or  with the memory location displays next to the frequency to select your desired station memory.



Memory locations for manual storage:

FM / SW: M01 - M50



MW: M01 - M25

Delete single/all memories

Delete single memory:

Select a stored station, press  to open sub-menu and select [Delete], press  again to delete the selected memory.




Delete all memories:

Press  to open sub-menu and select [Delete all], press  again to delete all stored memories.

DIRECT RADIO RECORDING

Direct radio recording

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

1. Press  to open the sub-menu and select [Record], press  again to select either of below recording formats, press  the third time to confirm your selection.



- 129k BPS


(WAV format, max recording time: 68H - 4G memory)

- 96k BPS

(MP3 format, max recording time: 215H - 4G memory)

- Exit

2. While recording, press  to pause, press it again to continue. Press  to stop and auto store the recorded file into the memory.

Quick guide: When listening to radio broadcastings, long press  to directly start radio recording, the recording format is same as your last selection.

NOTE:

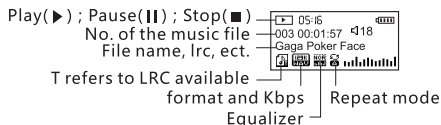
The volume level should be adjusted to above 10 before start recording.

All recorded files will be auto stored under [Voice] in Main Menu. Some keys will be disabled in radio recording mode.

MUSIC PLAY

MUSIC PLAY

1. Select [Music] in Main Menu, press <⏮> to enter.
Quick guide: In radio mode, press <⏮> can directly shift to music mode.



2. Press <⏮>, <⏭> or slide <◀—▶> to select the former or next file.
3. Press <⏮> to play, press it again to pause.
4. While playing music file, press <⏮> to enter below settings:
 - **Repeat:** Normal, Repeat One, Repeat All, Random
 - **Equalizer:** Natural, Rock, Pop, Classic, Soft, Jazz, Wow, 3D sound
 - **Tempo rate:** -8 to 8 levels
 - **Lyrics:** Repeatedly press on <⏮> to turn on/off.
 - **Replay:** [A-B] symbol shows in the display with [A] flashes, press <⏮> to select starting point A, [B] starts to flash, press <⏮> again to select ending point B, the unit will repeat from point A to B. Press <⏮> or <⏭> to end the A-B repeat playing function.
 - **Replay times:** 1-10
 - **Replay gap:** 1-10 (seconds)
 - **Exit**

Note: Bass is used for earphone listening, please select other equalizer when using speaker.

MICRO SD/TF CARD MUSIC PLAY

The lyrics must be in .lrc format, share the same name and location with the song. When lyrics is being played, press <⏮> to turn off.

5. While not playing any music, press <⏮> to enter below settings:

- **Local folder:** To search for a particular song.
- **Delete file:** Delete a single music file.
- **Delete all:** Delete all music files.
- **Exit**

You can also connect the unit to a computer to delete files.

Quick guide: While playing, Repeat mode and Equalizer can be directly changed by repeatedly pressing <⏮> and <⏮>.

MICRO SD/TF card music play

Transfer your selected music files into the Micro SD/TF card, insert the card into <Micro SD/TF card slot> according to the printed direction.

Then turn on the unit and enter music mode, press <⏮> in pause or stop playing state to open sub-menu. Select [Card folder] to search for files in Micro SD/TF card, and press <⏮> to play the selected file.

Caution:

Do not insert or extract card when the unit is on, it may cause the unit to malfunction or file corruption.

Micro SD/TF card can not save recordings, recorded files can only be saved in built-in flash memory, under the folder named RECORD.

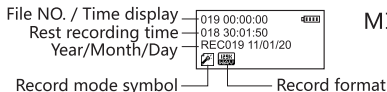
MIC RECORDING

MIC RECORDING


Please remember to backup your valuable records in time, DEGEN is not responsible for any file damage or file losing.

While recording, please get close to the built-in mic.




1. Select [Record] in Main Menu, press <  > to enter.




MIC recording

2. Press <  > to select record type:

- **Long REC:** Long time recording - 64K, WAV format, max. recording time: about 137 hours (4G memory)
- **High REC:** High quality recording - 129K, WAV format, max. recording time: about 68 hours (4G memory)
- **Fine VOR:** High quality voice sensor recording - 128K, VOR format, max. recording time: about 68 hours (4G memory)

3. After selecting your desired record type, press <  > to start, press <  > to pause, the time display flashes. Press <  > again to continue recording.

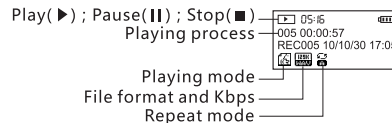
4. Press <  > to stop and store the recording file into memory. You can locate the recorded files by entering Main Menu and select [Voice].



Note: When Fine VOR recording type is selected, the recording will pause if the sound source is lower than the unit can recognize, and continue recording when the sound source recovers a recognizable level.


LISTENING TO RECORDING FILES


LISTENING TO RECORDING FILES

1. Select [Voice] in Main Menu, press <  > to enter.








2. Press <  > or <  > to select file.

3. Press <  > to play/pause.

4. While playing recorded file, press <  > to enter below settings:

- **Repeat:** Normal, Repeat One, Repeat All, Random
- **Tempo rate:** -8 to 8 levels
- **Replay:** Please follow the same step in Music Play section
- **Exit**







5. While not playing any music, press <  > to enter below sub-menu:




- **Local folder:** To search for a particular recorded file.
- **Delete file:** Delete a single file by pressing <  > or <  > and select [Yes] to delete, [No] to exit.
- **Delete all:** Delete all files by pressing <  > or <  > and select [Yes] to delete, [No] to exit.
- **Exit**

Note:

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


WORKING WITH EBOOK

1. Select [Ebook] in Main Menu, press <  > to enter.
2. Press <  > to enter below settings:
 - **Local folder:** To find a particular file, press <  > to select.
 - **Play set:** To choose manual play or auto play (1-10 seconds page changing selectable).
 - **Delete file:** Delete a single file.
 - **Delete all:** Delete all files.
 - **Exit**
3. Select your desired file and press <  > to play, press <  > again or <  > to stop and go back to file selection.





In manual play mode, use the slide button or press <  >, <  > to change page.
4. While reading, press <  > to enter below sub-menu:
 - **Bookmark select**
 - **Bookmark delete**
 - **Bookmark add**
 - **Exit**

Note: Before using Ebook function, please first format your file to .txt, then transfer to the unit.

SYSTEM SETTING

Select [Sys Set] in Main Menu, press <  > to enter below settings:











- **Time Set**
- **Date Set**
- **Calendar Info**
- **Alarm Set**
- **Backlight**
- **Language**
- **Sleep timer**
- **Power off mode**
- **Contrast**
- **Key sound off**
- **Memory info.**
- **Firmware version**
- **Firmware upgrade**
- **Date Format**
- **Time Format**
- **Exit**

Use Slide button or press <  >, <  > to select your desired function, press <  > to enter, press <  > to exit.

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






TIME SET

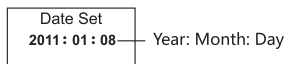
Time Set

1. Select [Time Set] in Sys Set, press  to enter.
2. The hours indicator flashes, press  or  to adjust the hour; press  and notice the minutes indicator flashes, press  or  to adjust the minute; press  and notice the seconds indicator flashes, press  or  to adjust the second.
3. Press  to confirm your setting.




Date Set

1. Select [Date Set] in Sys Set, press  to enter.
2. The indicator for year flashes, press  or  to adjust the year, press  to confirm and enter month setting, set the month and day with the same methods.
3. Press  to confirm your setting.















Calendar Info


Select [Calendar Info] in Sys Set, press  to display the calendar information: the day of the week, time, date and Lunar date for about 5 seconds.

ALARM SET

Alarm Set

Normal alarm:

1. Select [Alarm Set] in Sys Set, press  to enter, [New] appears in the display.
2. Press  again to enter a new alarm setting, [Normal Alarm/Power off/Power on/Exit] appears.
3. Press  or  to select [Normal Alarm] and press . Now [Only Once/Daily] appears.
4. Press  or  to select either [Only Once] or [Daily], press  again to enter [Alarm Time] setting.
5. Adjust the time by following the same steps in [Time Set] section.
6. Press  to confirm the setting of [Alarm Time], now it shows [Alarm Set, YES/NO] and [Do you want to add?].
7. Press  or  to select [YES], press  to confirm and enter below settings:
 - **Sleep Time:** 1-30 minutes SNOOZE timer
 - **Play Time:** 1-30 minutes alarm time
 - **Alarm Count:** 1-30 alarm count
 - **Alarm Music:** All audio files in the unit can be selected as alarm music, but it will be the default alarm sound if no particular audio file was selected.
 - **Alarm Volume:** 0-31 levels
 - **Alarm Preview:** Alarm with your preset music.
 - **Exit**

When an alarm goes off, press  to turn off the alarm, press other buttons to pause the alarm, and it will play again later according to your preset [Sleep time] and [Alarm Count].

ALARM ON/OFF

Alarm off:

Select [Power off] under [New] in [Alarm Set], choose [Only Once/Daily], set [Alarm Time] and confirm setting by following the same steps in [Normal Alarm]. The unit will auto turn off when reaching the preset power off time.

Alarm on:

Select [Power on] under [New] in [Alarm Set], follow the same steps in [Normal Alarm]. After setting the alarm time, press <⏻> to confirm and enter below selections:

- **Radio:** Auto turn on the unit with the last radio station listened to.
- **Audio:** Auto turn on the unit with the last music file.
- **MIC record:** Auto turn on with MIC recording.
- **Radio record:** Auto turn on with the last radio station and start recording in the meantime.
- **Exit**

All alarms can be found under [Alarm Set], press <⏻> or <⏻> to select and press <⏻> to enter sub-menu to enable, disable, delete or reset the selected alarm.

- 🔊: Alarm symbol
- ✓: Enabled alarm
- ✗: Disabled alarm

Note:

1. If the setting time of [Sleep timer] is earlier than that of the [Alarm off], the [Sleep timer] has the priority.
2. [Alarm on] and [Alarm off] can be set each 6 times at the most.

BACKLIGHT TIMER

Backlight timer

Select [Backlight] in Sys Set, press <⏻> to enter, press <⏻> or <⏻> to adjust the lighting timer from 5-30 seconds. Press <⏻> or wait for about 6 seconds to confirm and exit.

Note: As the keylock function will be activated with backlight goes out, it is recommended to set backlight timer more than 10 seconds to ensure enough time for key operations.

Language selection

Select [Language] in Sys Set, press <⏻> to enter language selection and press <⏻> or <⏻> to choose your desired language, 20 languages available.

Sleep timer

Select [Sleep timer] in Sys Set, press <⏻> to enter, press <⏻> or <⏻> to adjust the auto turn off timer from 5-90, select 0 turn off the sleep timer.

After setting the sleep timer, sleep timer symbol [🔊] and a counting number will show in the display in Radio, Music or Voice mode.

Power off mode




1. Select [Power off mode] in Sys Set, press <⏻> to enter below selections:

- **Standby mode:** After turning off the unit, you can check the time by pressing <⏻>.


- **Sleep mode:** After turning off the unit, only <⏻> works, other buttons will be disabled. This mode can save more battery power.


CONTRAST SETTING

Contrast setting

Select [Contrast] in Sys Set, press <  > to enter. The brightness level 0-16 appears in the display, press <  > or <  > to adjust.



Turn off/on keytones

Select [Key Sound OFF] in Sys Set, press <  > to turn off keytones and exit setting.

After turn off the keytones, enter [Sys Set] again and notice it now shows [Key Sound ON], press <  > to turn on the keytones.




Memory info.

Select [Memory info.] in Sys Set and press <  > to display the balance memory space.

If Micro SD (TF) card was inserted, press <  > or <  > to switch the memory status display between the unit's flash memory and the card.

Date Format





Select [Date Format] in Sys Set, press <  > to enter below selections:

Press <  > or <  > to select, press <  > to confirm and exit setting.

- **yyyy mm dd**: year, month, day
- **mm dd yyyy**: month, day, year
- **dd mm yyyy**: day, month, year

FIRMWARE UPGRADE

Time Format



Select [Time Format] in Sys Set, press <  > to enter and press <  > or <  > to select your desired time format from [12 Hour Mode] and [24 Hour Mode], press <  > to confirm and exit setting.

Firmware upgrade

Before upgrade, please remove or make a backup copy of all the files in the unit.

After upgrading, all the system settings will return to default.

Upgrade within the unit:

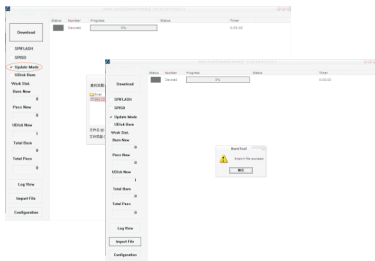
1. Download the upgraded firmware (DE1131_***.upd) from our website to a computer.
2. Use the provided USB cable to connect the unit to the computer and transfer the firmware file to the unit.
3. Disconnect the USB cable, turn on the unit and select [Firmware upgrade] in Sys Set, press <  > to enter.
4. Select [Local folder] to find the firmware file, press <  > to start upgrading. [Updating, please wait!] appears in the display.
5. When updating finishes, [Updating success!] flashes across the screen and the unit will turn off automatically.
6. Remove the battery for a few seconds and reinstall.

If the unit can not be turned on or it has other failures, please use a computer to upgrade.

FIRMWARE UPGRADE

Upgrade via computer:

1. Download the upgraded firmware (DE1131_***.upd) from our website to a computer.
2. Open [Burn Tool] in the same folder of the firmware file, below program appears on the screen:



3. Select [Update Mode] and click [Import File] to choose the upgraded firmware (DE1131_***.upd), then connect the unit to the computer. Click [Download].
4. The [Device 0, 0%] advances until 100%, and the process bar turns to green.
5. Disconnect the unit from the computer, the unit will updating automatically, then remove the battery for a few seconds and reinstall.

Note:

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

CARE AND MAINTENANCE

CARE AND MAINTENANCE

1. Keep it dry. Rain, humidity and other types of liquids or moisture can contain minerals that may cause corrosion to components. If the unit does accidentally get wet, remove the battery and wait for the unit to dry completely before placing it back.
2. Do not use or store in dusty or dirty areas. This may damage the moving parts and electronic components.
3. Do not store the unit in over heated areas. High temperatures can shorten the life span of certain components.
4. Do not place the unit in cold environment. Otherwise, when the surrounding temperature rises to room temperature, internal moisture may develop and damage the circuit board.
5. Do not drop, hit or smash the unit.
6. Do not use harsh chemicals, cleaning solvents, or strong detergent to wash the unit. Use a clean and dry soft cloth to clean the screen.

BATTERY SAFETY INFORMATION

BATTERY SAFETY INFORMATION

1. Use the battery under normal conditions, temperature: (0 - 35)°C, relative humidity: 65 ± 20%.
Under normal circumstances, the battery can be charged and discharged about 300 times.
2. Do not expose the battery to heat or high pressure, do not drop the battery, prevent children from playing with the battery.
3. Do not short-circuit the battery, do not open or amend, do not expose to damp environments.
4. If not using for an extended period of time, remove the battery and store in a safe manner. Please use a nonconductive material to wrap the battery in order to avoid direct contact with metal. You can avoid damages by keeping the battery in a cool dry place.
5. Dispose of the battery properly, do not put into fire or water.
6. Do not expose to direct sunlight for a prolonged period, to avoid over heat, deformation or smoldering. This will reduce the performance and life span of the battery.
7. Keep out of the reach of children.
8. Before initial use, if you find the battery untidy, smelly or in other abnormal conditions, do not use the battery and return it to the retailer to deal with.
9. If battery leakage occurs, avoid contact with skin or cloths. Wash with water if contacted.

TROUBLESHOOTING

TROUBLESHOOTING

1. Too much noise in MW, SW band.
 - Noise is mainly caused by AC power source interference, such as: External adaptor, Power cord, energy saving lamp, computer, etc. Please alter the tuning environment.
 - The radio signal is blocked by buildings or metal net, please alter the tuning environment.
2. ATS can not tune into any stations or store stations falsely.
 - Please disconnect the connection of external adaptor before using ATS.
 - ATS function will be abnormal if effected by strong interfere sources, please avoid any interfere sources.
3. Can not charge the unit.
 - Check if the external adaptor was connected correctly.
 - Check if battery has poor contact or it is damaged.
4. Can not record successfully.
 - The procedures may be disordered by constant or wrong operations, reset the unit to recover.
5. The flash memory is not as large as stated.
 - The unit system will occupy some memory space.
6. The unit can connect to a computer, but can not open the removable disk.
 - The computer may be not compatible with the unit, please try another computer.
 - Turn off the unit, remove the battery and reinstall after a few minutes, then try again.

Please go to our website to upgrade firmware.

7. Unit dead during music playing.

- The file format is not compatible with the unit or the file is damaged, please remove the battery for a few minutes and delete the file.
- If the time display of the recorded file is 00 : 00, it indicates the file is damaged, please delete.

8. Can not play audio from the Micro SD(TF) card.

- Check if the card was inserted correctly.
- In music mode, while not playing, open the sub-menu and enter [Local folder] to find a music file and play.

9. Touch keys are not responding.

- Check if the keylock function is activated.
- Please use your finger pulp instead of fingernail or other hard things to operate.

10. The Slide button is insensitive.

- When using the Slide button, contact the key with your finger pulp completely and with proper strength.

11. How to reset the unit?

- Misuse may lead to errors in the firmware, remove the battery for a few minutes to reset.

SPECIFICATION

RADIO

- Frequency range

FM	87.0 - 108.0MHz or 64.0 - 108.0MHz
MW (AM)	522 - 1710 KHz
SW	2.30 - 23.00 MHz
- Preset memories: FM 99 MW 50 SW 99
- Noise limit sensitivity

FM	≤ 5 μV
MW	≤ 2.5mV/m
SW	≤ 50 μV
- Signal selection ≥ 40dB

MUSIC PLAY

- Memory 4G/8G
- Record format WAV/MP3
- Max. record time About 215H (40kbps MP3, 4G)
- Earphone output ≤ 10mW*2
- Communication standard USB 2.0 (high speed)
- Access rate MP3: 16-320Kbps
WMA: 8-384Kbps

- Max. out power (Speaker) ≥ 500mW
- Power source

Lithium battery	3.7V
External adaptor	5V --- 800mA
- Lithium battery consumption (Volume level 22)

MP3: About 4H	Radio: About 4H
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- Speaker D40mm
- Earphone D3.5mm
- Dimensions Approx. 116 * 68 * 22 mm
- Weight Approx. 159 g (incl. battery)