DEGEN®

DE1121

FM STEREO / MW / SW DUAL CONVERSION
PLL SYNTHESIZED WORLD RECEIVER
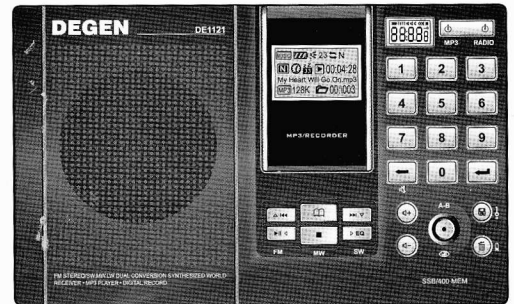
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PLL SYNTHESIZED WORLD RECEIVER

INSTRUCTION MANUAL

FOREWORD

Accessoires:

- ☑ Carrying Pouch
- ☑ External Adaptor
- ☑ AA x 3 Battery and DF6 x 1 Ni-MH Battery
- ☑ Stereo Earphones
- ☑ USB Cable
- ☑ Line in Cable
- ☑ Installation CD
- ☑ External Antenna
- ☑ User Manual
- ☑ Simple Operating Guide
- ☑ Warranty Card

KEY FEATURES

- RADIO AND MP3 CAN WORK INDEPENDENTLY.
- TIME TURN ON/OFF RADIO; MP3 PLAY; MIC/FM RECORD.
- LW/MW/SW DUAL CONVERSION TECHNOLOGY.
- 100 MEMORIES, 400 FREQUENCIES PRESETTING.
- PC DOWNLOAD, EDIT, UPDATE STATION NUMBER AND FREQUENCY.
- FM: 70.0-108.0MHZ, STEP IS 50K/100K.
- AM(SW, MW, LW): 150-1640KHZ, STEP IS 1K/9K; 3000-29999KHZ, STEP IS 1K/5K.
- FIVE TUNING MODES: STATION NUMBER/BAND/KNOB/ AUTO SCAN/DIRECT ENTRY.
- BROWSE THE STATION NUMBER AND FREQUENCY.
- 40 LEVELS VOLUME CONTROLLING, MUTE FUNCTION.
- CHARGING FUNCTION(MP3/RADIO BOTH CAN BE CHARGED).
- SSB, FINE TUNING.
- FM MONO/STEREO SELECTABLE.
- AM WIDE BAND/NARROW BAND SELECTIVITY.
- SLEEP POWER OFF TIME(10~60 MIN SETTING AND INDICATING).
- KNOB FAST/SLOW/LOCK FUNCTION.
- LOCAL-NOR-DX SWITCH.
- EXTERNAL ANTENNA JACK.

KEY FEATURES

- 128x64 DOTS LCD.
- PLAY MP3, WAV, WMA.
- MP3/MIC RECORD.
- A-B REPEAT FUNCTION.
- FOUR CYCLE MODES, SIX EQ MODES.
- MENU INTERFACE.
- USB JACK(USB 2.0 HIGH SPEED).
- BATTERY LEVEL INDICATOR.
- BUILT-IN SPEAKER(D77mm).
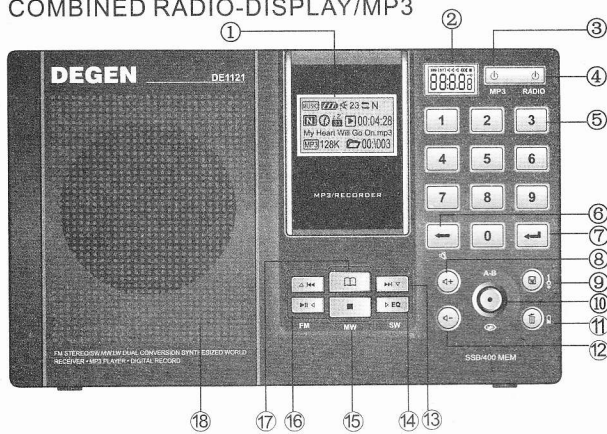- USE AA x 3 BATTERIES, DF6 X 1 Ni-MH BATTERY.

CONTENTS

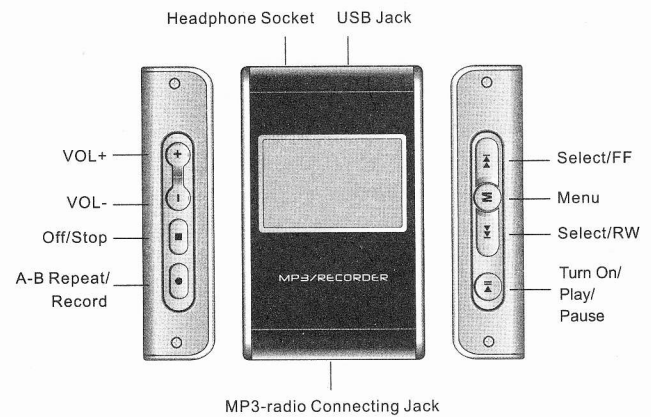## COMBINED RADIO-DISPLAY/MP3

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

Hole for Strip
Antenna Jack
Local-Nor-DX
DC Jack

Tuning Fast/Slow/Lock
Tuning Knob
Line in Jack
SSB
AM: SSB, Wide Band/Narrow Band
FM: Mono/Stereo
Line out/Earphone Jack

MP3 PLAYER

Headphone Socket   USB Jack

VOL+
VOL-
Off/Stop
A-B Repeat/ Record

Select/FF
Menu
Select/RW
Turn On/ Play/ Pause

MP3-radio Connecting Jack
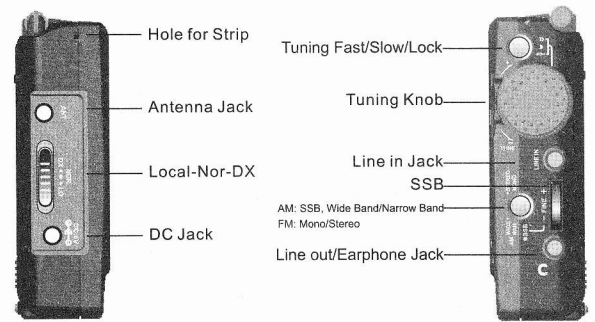
▷ Inserting the Batteries

● **Insert Batteries for Radio**

1. Open the lid of the battery compartment which is at the back of the radio.
2. Insert 3 AA dry batteries(or re-chargeable batteries) making sure that they are correctly oriented and switch on the radio.
3. Close the lid of the battery compartment.

● **Insert Battery for MP3**

1. Open the lid of the battery compartment which is at the back of the MP3.
2. Insert the supplied Ni-MH battery making sure that it is correctly oriented and switch on the MP3.(You can remove the battery of MP3 by patting on the soft surface).
3. Close the lid of the battery compartment.

> **Note:** When use MP3 and Radio combined, MP3 is powered from the radio, but also needs the internal battery remaining installed.

Notes on Using Batteries

◆ Never charge the dry batteries. They get hot, cause to burn or even explode.
◆ Don't use the new and old batteries or different kind of batteries together.
◆ To prevent leakage, take out the batteries if you don't use the unit for a long time.
◆ Don't plug in the adaptor while using the batteries as a powersupply.
◆ Never put the chargeable batteries and coins or other metal together, as a shortcircuit could occur causing heat, fire or explosion.

▷ Connecting the Power-adaptor to the Radio
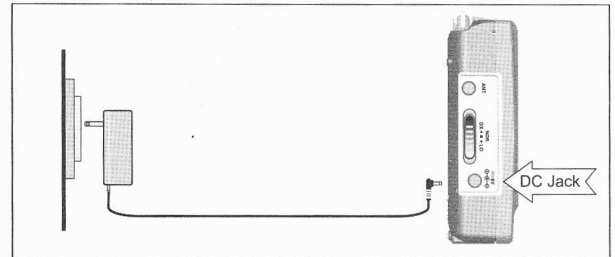
1. Plug the supplied adaptor into an AC outlet.
2. Plug the other port of the adaptor into the "DC Jack" of the unit.

◆ When using the external adaptor, it is normal that the adaptor gets warm.
◆ When using the external adaptor, the batteries will be switched off automatically.
◆ Plug out the adaptor when not using.
◆ If you use the external adaptor for a long time, please remove the batteries from the radio to prevent leakage.
◆ Only use the supplied adaptor otherwise damages may occur.

Combined Using Radio:

1. Please pay attention to the display while operating.
2. Connect MP3 to the radio correctly, make sure that the MP3 is inserted completely.
3. Insert batteries into radio and MP3 as well.

▶ Setting the Clock

In power off status, press " [↵] " shortly to enter the setting mode. When "small display" appears, press the button again and set the time.

▶ Power On/Power Off/Change Working Mode

1. Power On: Press < [⏻] > shortly to turn on the unit and enter the radio mode.
2. Power Off: Press < [⏻] > shortly to turn off the radio.
3. Close the main display: Press < [⏻] > long to close/open the main display in the radio mode. When closing, that's to say, you are using the radio independently.
4. Switch work mode: In radio working mode, press < [⏻] > shortly to go into MP3 working mode. In MP3 working mode, press < [⏻] > shortly to go into radio operating mode.

Note:
Please don't plug or plug out the MP3 when the radio is on.

▶ VOL+/-

1. VOL+: Press < (+) > shortly.
2. VOL-: Press < (-) > shortly.
3. Mute: Press < [↵] > shortly.

▶ Key Lock

1. Lock: Press < (⊡) > long and the lock icon ⊶ appears on the small display.
2. Unlock: Press < (⊡) > long, the lock icon disappears.

Note: All buttons are inaccessible until you remove the key lock.

▶ Menu Function

Enter the main menu in radio operating mode by pressing " [▭] " for a short time to pop up the radio main menu:

Menu **Search**   Press < [◁◄] > or < [►▽] > shortly to select menu.
      Station   Press < [▭] > shortly to enter the next menu.
   Recorder   Press < [▪] > shortly to exit.

● Search Stations

  Memory

  There are one hundred memories, each one can save four frequencies.

1. Select search mode: After entering the radio's main menu, select "Search", press < [▭] > shortly to enter.
2. Select "Memory", press < [▭] > shortly to confirm.

Scan **Memory**   Press < [◁◄] > or < [►▽] > shortly to select
      Step   a memory.
      Exit   Press < [►►] > or < [EQ] > shortly to
                   change between stored frequencies
                   within one memory.

Step

Step: You can search for broadcast stations in the different bands.

1. Select searching mode: After entering the main menu select "Search". Press < 🎵 > shortly to enter the selecting mode.
2. Select "Step", press < 🎵 > shortly to confirm.

Scan	Memory
Step	
	Exit

Press < ▲◄◄ > or < ►►▼ > shortly to search a receivable broadcast station manually.
Press < ▲◄◄ > or < ►►▼ > shortly to search the station automatically(will stop searching when reaching the strong signal). Press < ►►❙ > shortly to FM band.
Press < * > shortly to switch to LW , MW band; press < EQ > shortly to SW band; press shortly repeatly to convert among the common meter bands.

3. Enter LW: In MW band, first input LW frequency (only 50~510KHz), then use the "Tuning Knob" (or press < ▲◄◄ > or < ►►▼ > shortly) to search.

● Station

Browse

Browse: Look over the receivable broadcast stations without any affect on the current working.
1. Enter the radio main menu,then select "Station", press < 🎵 > shortly to go into the next menu.
2. Select "Browse", press < 🎵 > shortly to confirm.

Station	**Browse**
	Store
	Delete

Press < ▲◄◄ > or < ►►▼ > shortly to browse the station;
Press < ►►❙ > or < EQ > shortly to browse stored frequencies within one memory.
Press < * > shortly to exit from the menu.

Store

Store: You can store the found broadcast stations and recall them in the memory.
1. Search for a broadcast station.
2. Enter the radio main menu, select a station and press< 🎵 > shortly to enter the next menu.
3. Select "Store" and press < 🎵 > shortly to enter the selecting mode.

Station	**Store**
	Delete
	Import

Press < ▲◄◄ > or < ►►▼ > shortly to choose a memory name;
Press < ►►❙ > or < EQ > shortly to choose a memory and the new frequency will replace the old frequency.

4. Press < 🎵 > shortly to store, press < * > shortly to unstore and exit.

Delete

Delete: You can delete a stored frequency if you don't want to listen to the broadcast station anymore.
1. Enter the radio's main menu to select "Station", press < 🎵 > short to enter the next menu.
2. Select "Delete" and press < 🎵 > shortly to enter the selecting mode.

Station	Store
	Delete
	Import

Press < ▲◄◄ > or < ►►▼ > shortly to select the memory name;
Press < ►►❙ > or < EQ > shortly to search for the broadcast station you want to delete

3. Press < 🎵 > shortly to confirm the deleting.

Note: To delete or change a memories name, please refer to the procedure of changing the FREQ.TXT file.

Import

Import: Connect to a PC, the unit is able to import a FREQ.TXT file.

1. Edit the FREQ.TXT file which you want to import into the radio.
2. Connect your unit to the PC.
3. Enter the radio main menu "Station" , press < [▭] > shortly to enter the next menu.

Station Delete
         Import   4. Select "Import" , press < [▭] > shortly
         Exit   to confirm.

● Recorder

Recorder: You can record from a radio program with your MP3-Player.

1. Enter the radio's main menu, select "Recorder" and press < [▭] > shortly to select a kbps rate (a quality level).

Menu Station
MP3   Recorder   Press < [◄◄] > or < [►►] > shortly to select kbps;
      Setting

2. The higher the number of kbps you choose, the better but the shorter the recording gets.
3. Press < [▭] > shortly to start the recording, press < [▭] > shortly to exit from recording.

Notes :
► Please make sure that the batteries have enough power before you start to record.
► You can find your recording in the MP3 file management.
► While recording, the quality of the receiving the broadcast will get a little worse.
► Suggest that each recording might not be longer than one hour.

● Setting

LCD

LCD: You are able to change the parameter of the LCD screen.

1. Enter the radio main menu, select "Setting" and press < [▭] > shortly to enter the setting mode.
2. Select "LCD" and press < [▭] > shortly. You can adjust the backlight time, the contrast and the screen saver.

Setting LCD
         Language   Press < [▭] > shortly to enter the next
         Auto Off   menu.

Backlight time: You can select the period of the lightening.
Contrast: You can adjust the contrast.
LCD screen saver: You can open or close this function.
3. Press < [▭] > shortly to confirm.

Auto Off

Auto Off: You can choose the auto off time. When reaching the auto off time, the radio will turn off automatically.

1. Enter the radio main menu, select "Setting" and press < [▭] > shortly to enter the setting mode.
2. Select "Auto Off" and press < [▭] > shortly to enter selecting mode.

Setting Language   Press < [◄◄] > or < [►►] > shortly to select.
         Auto Off
         Time   3. Press < [▭] > shortly to confirm.

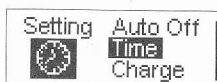Note: After setting the auto off time, the count down icon 📺 appears on the main display.

Time

Time: You can adjust for clock, or set the alarm to turn on/off, etc.

Clock

1. Enter the radio main menu, select "Setting" and press
   < [▥] > shortly to enter setting mode.
2. Select "Time" , press < [▥] > shortly to enter the selecting mode,
   select "Clock" .

| Setting | Auto Off | Press < [▥◄] > or < [►▾] > shortly to select. |
| 🕐 | **Time** Charge | Press < [▥] > shortly to enter the next menu. |

3. Press < [▥] > shortly to enter the time setting mode. For direct
   entry press < [▥] > shortly.

Note: You can not adjust Y/M/D in this menu. Please look in
FREQ.TXT for further explanation.

Alarm 1

1. Enter the radio's main menu to select "Setting" , press < [▥] >
   shortly to enter the setting mode.
2. Select "Time" , press < [▥] > shortly to enter the selecting
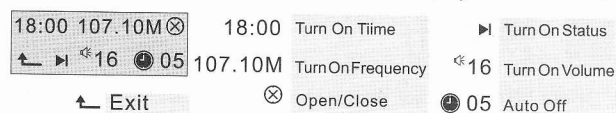   mode, select "Alarm 1" .

| Setting | Auto Off | Press < [▥◄] > or < [►▾] > shortly to |
| 🕐 | **Time** Charge | change the selection. |

3. Press < [▥] > shortly to enter "Alarm 1" setting;
   • Turn On Time: Press <0-9> button shortly to input the time directly,
   if you want to acquiesce the previous default, press < [►▾] >
   shortly to enter the next setting option (set the Turn On Frequency).

• Turn On Frequency: Firstly press the band button to select the band
you desired, then press <0-9> button to input the frequecncy directly.
If you want to acquiesce the previous default, press < [►▾] > shortly
to enter the next setting option (Open/Close).
• Open/Close: Press < [▥] > shortly, show " ⊕ " is open and " ⊗ "
is close. Press < [►▾] > shortly to enter the next setting option (Exit).
• Exit: Setting reveal this " ⌐ " place, press < [▥] > shortly to exit;
press < [►▾] > shortly to continue and enter the next setting option
(Set Turn On Status).
• Select Turn On Status: 📻 turn on and enter the radio mode; 📻 turn
on and enter the radio mode, at the same time the radio
records; 🎤 turn on and the built-in MIC records; ▶ turn on and
play the music. Press < [▥] > shortly to change the selection, the
next setting option is Turn On Volume.
• Turn On Volume: Press < 🔊 > and < 🔉 > shortly to adjust, the
highest is 40 levels. After setting it, press < [►▾] > shortly to enter
the last setting option (Auto Off).
• Auto Off: Press <0-9> button to input the time (two numbers) and then
exit the setting automatically. If you want to acquiesce the previous
default, press < [►▾] > shortly to exit.

4. If the settings are successful, the small display shows " ◀ " .

18:00 107.10M⊗	18:00	Turn On Tiime	▶	Turn On Status
← ▶ ◀16 ● 05	107.10M	Turn OnFrequency	◀16	Turn On Volume
← Exit	⊗	Open/Close	● 05	Auto Off

Note :
• Next setting for 'Alarm 2' & 'Alarm 3', please follow the step of
  "Alarm 1' instruction as for reference.
• Please be reminded that if the 'Time' setting for 'Record', the
  'Momory' size will be filled shortly, because the unit will turn on
  every time for 'Record' automatically for the time being set, suggest
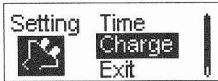 not to use the 'Record' frequently or to use it when necessary.

● Charge(Radio Charge)

Before charging, connect the AC adaptor correctly and insert the
rechargeable batteries.

Method One:

With the radio turned off, press < 🔘 > shortly to enter radio
charge.

Method Two:

1. Enter the radio main menu, select "Setting" and press < 🔲 >
   shortly.
2. Select "Charge" and press < 🔲 > shortly.

```
Setting  Time
  [icon]  Charge
         Exit
```
Press < 🔲 > or < 🔲 > shortly to select;

3. Select "Radio" (if you want to charge the MP3, please select "MP3").

4. Press < 🔲 > shortly to start charging, the power indicator
   " 🔋 " appears on the display.

Note :
   The recommended full charging time for AA batteries is ten
   hours around.(for radio)

▶ Tuning into a station

You can make the radio signal stronger by extending the
anternna, changing the direction of the antenna or the position
of the unit. The reception also improves if an external soft
antenna connects to the unit.

● Direct frequency entry

Finding a broadcast station directly with the frequency.

1. Press < 🔲 > shortly to delete frequency from the display and
   continue searching.
2. Press <band button> to select a band. Example: For FM you
   have to press < 🔲 > shortly.
3. Press <0~9> button shortly to input the frequency.
   Example: Input <1> <0> <7> <1> to get the frequency
   FM107.1 MHz.
4. Press < 🔲 > to confirm.

Note: To correct a number which you enter, press < 🔲 > shortly.

● Knob Searching

Normal tuning using the tuning knob
Using the tuning dial you can tune your radio to any station. You
can set the tuning to coarse or fine steps, by pressing then button
located above the tuning dial. Each time the button is pressed it
switches from fine to coarse to off. Off disables the tuning dial
such preventing the current frequency to be changed
unintendedly.

Browse station fast

1. Press < ⊙ > shortly to enter the browse interface.
2. Press < ▲◄◄ > or < ►►▼ > shortly to browse the station name.
3. Press < ►Ⅱ > or < EQ > shortly to browse between each frequency of the same station name.
4. Press < ■ > shortly to exit, press < ▥ > shortly to select the frequency.

Store station fast

1. Search for a broadcast station.
2. Press < ▣ > shortly to enter the frequency storing mode.
   Press < ▲◄◄ > or < ►►▼ > shortly to select a station name or press number buttons shortly to get the number of station name.
   Press < ►Ⅱ > or < EQ > shortly to select one stored position for frequency, this frequency will be covered by the new frequency automatically.
3. Press < ▣ > shortly to store, press < ■ > shortly to unstore and exit.

Delete station fast

1. Press < 🗑 > shortly to enter the delete.
   Press < ▲◄◄ > or < ►►▼ > shortly to select a station name.
   Press < ►Ⅱ > or < EQ > shortly to select the frequency you want to delete.
2. Press < 🗑 > or < ▥ > shortly to delete.

Edit FREQ.TXT File

Open the FREQ.TXT file which is in the CD. Please refer to the notes in the FREQ.TXT before editing. When it is saved please do not change the file name.
   Connect the MP3 to PC and then copy the FREQ.TXT file into "MP3" folder.

With source of amplifier

You can play audio of external voice sourcing equipment (e.g. MP3, CD, etc.) via the unit.

1. Turn on the external voice sourcing equipment and the unit seperately.
2. Connect the "Line-out Jack" of external voice sourcing equipment to the "Line-in Jack" of the unit by using the supplied Line-in Cable.

Note: It works only in the radio mode.

Use radio independently:
  1. When using, please note the small display indication.
  2. Remove the MP3 player from the radio and insert the batteries in
     the radio accurately.

▶ Charge

In turn on state, press < ⟨🗑⟩ > shortly to enter radio charging, press
< ⟨🗑⟩ > long to enter MP3 charging, when the batteries have stopped
charging, press < ⟨←⟩ > shortly to exit charging. If you set two kinds
of charging, when turning on the unit, MP3 charging will stop.

▶ Turn On/Turn Off

Turn On: Press < ⟨🔘⟩ > shortly to turn on; Press < ⟨🔘⟩ > shortly
to turn off.

▶ Search Station

1. Press < ⟨📖⟩ > shortly to switch between the different searching
   modes (according to band, station name).
2. According to band, press < ⟨▲◄⟩ > or < ⟨►▼⟩ > shortly to search station.
   Press < ⟨►◄⟩ > shortly to FM band;
   Press < ⟨ ▪ ⟩ > shortly to MW band;
   Press < ⟨EQ⟩ > shortly to SW band.
3. According to station name, press < ⟨◄◄⟩ or < ⟨►►⟩> shortly to select
   a frequency to store.
   Press < ⟨◉⟩ > shortly to watch frequency opposite station number.

▶ Store Frequency

Select frequency, press < ⟨🗑⟩ > shortly, then input a number (two
digits).

▶ Delete Frequency

Select station number, press< ⟨🗑⟩ > shortly to display the current
station number. Press the same button again to delete stored
frequencies.

Note: When only use in radio, the station name will be used on the first
      received frequency.

▶ Setting Time Turn On/Off (When in power off)

While setting please note the information on the small display.

1. Press < ⟨←⟩ > shortly to enter setting mode, the small display shows
   "SET" .
2. Press < ⟨►II⟩ > shortly to enter timer one setting, then the timer
   symbol " 🔇 " flashes.
• Press the particular number buttons to set the timer.
• Press < ⟨←⟩ > shortly to enter the setting mode. At first you have to
  choose the broadcast station, secondly you have to set the volume
  and finally you can decide on the moment the unit shall turn on.

3. When " 🔇 " appears in the small display the timer is set.
4. If you press < ⟨►II⟩ > shortly the symbol 🔇 flashes. To close Alarm 1
   press < ⟨←⟩ > shortly.

Note:
To program further times operate the same way as described before.
'Alarm 2' for < ⟨ ▪ ⟩>, and 'Alarm 3' for < ⟨EQ⟩ > the above setting is
only turn 'On' for the radio.

▶ Setting Auto Off

After turn on, you can set auto off time.

1. Press < ⟨←⟩ > long so the small display shows the time.
2. Press < ⟨←⟩ > shortly and show the current auto off time.

• Press the particular number buttons to fix the period of time the
  radio should be on.
• If no other operation is set the radio turns off after 60 minutes.
• No 'Time off' function if press < ⟨←⟩ > shortly.

Compare: When using the radio separately the operations are the
         same as in combined use.

> **FM Mono /Stereo**

When listening to a FM broadcasting station you can switch between mono and stereo by pressing *"FM: Mono/Stereo"* .
In both modes the main display shows 📶 and in stereo mode there also appears ST in the small display.

Normally "Stereo" is selected, if a strong signal without noise is received.

"Mono" is selected, if too much noise is heard in setting "stereo".

Note: The unit has news/music selecting, with the mono/stereo in the same place. Mono(News), Stereo(Music).

> **Local-Nor-DX Selectivity**

By selecting LO-NOR.-DX the unit can be tuned perfectly to the particular listening.
Nor: For normal use.
Local: You should change to "LO" if you want to listen to a local broadcast station or if there is a strong interference while listening.
DX: If you want to listen to a broadcast station with a very weak signal, please change to DX.

LO-NOR.-DX Antenna Attentuator	DX	NOR	LO
FM	0dB	-15dB	-30dB
SW	0dB	-3dB	-25dB
LW/MW	0dB	0dB	0dB

> **Narrow/Wide Band**

Press AM: W/N button repeatedly to select wide band or narrow band when listening MM, SW or LW broadcasting.

In AM band, press "W/Nbutton" short to switch between "Wide" and "Narrow" .

Wide band has a better tone reception than narrow band, but it is noiser than narrow band reception.

> **SSB/CW**

1. After turning on the radio,select "Step" searching mode,and press < ▭ > shortly to enter SW band.

2. Press <SSB Button> shortly until the main display shows " 🔲 " and enter SSB working mode.

3. Turn <Knob> to tune to one frequency of approximate SSB.

4. Turn <SSBFINE Knob> slowly to have the best reception.

If you want to use MP3 and radio combined:

1. Please pay attention to the display while operating.
2. Connect the MP3-Player and the radio correctly.
3. Insert the batteries correctly in the radio.
4. Insert the batteries correctly in the MP3-Player. (You have to charge the batteries before using.)
5. Connet your unit to the PC and import your song files.

▶ Charge(MP3 Charge)

Connect the external power adaptor to the unit, turn off the unit, press < 🔘 > long to charge the MP3-Player, press < ← > shortly to exit from charging.

Note:
Make sure that you have inserted the batteries correctly. The batteries should be totally charged within about 4.5 hours.(for MP3)

▶ Turn On/Off/Switch Working Mode

1. Turn On: Press < ⬚ > shortly to turn on,then enter the MP3 working mode.
2. Turn Off: In MP3 mode press < ⬚ > shortly to turn off.
3. Switch working mode: In the radio working mode press < ⬚ > shortly to enter the MP3 working mode; In the MP3 working mode press < ⬚ > shortly to enter the radio working mode.

▶ Adjust Volume

1. Volume Up: Press < ⊕ > shortly.
2. Volume Down: Press < ⊖ > shortly.
3. Mute: Press < ← > shortly.

Note: The volume process bar and the volume level are shown on the main display.

▶ Play Music

● Select File   Press < ⏮ > or < ⏭ > shortly.

● Play/Pause   Press < ⏯ > shortly.

● Stop Play   Press < ⏹ > shortly.

● Select Memu   Press < ⬚ > shortly.

● Select EQ

Press < EQ > shortly to select EQ. There appear further information on the main display.

● A-B Repeat

1. Set start A: Press < ⊙ > shortly, the display shows "A- " .
2. Set end B: To fix B press < ⊙ > shortly again. The display shows "A-B" .
3. Press < ⊙ > shortly to cancel the repetition.

Enter MP3 Main Menu

In MP3 working mode, press < [▭] > shortly to pop up the MP3 main menu;

File Management	Press < [▣◄◄] > or < [►►▣] > shortly to select the menu.
MP3 Play	
Speech Play	Press < [▭] > shortly to enter the next menu.
Record	
MP3 Record	
Setting	
Version	
EXIT	

▶ File Management

1. Browse files: Press < [▣◄◄] > or < [►►▣] > shortly.
2. Enter Sub Folder: Press < [►▣] > shortly.
3. Exit from Sub Folder: Press < [▣■] > shortly.
4. Play: Press < [►▣] > shortly.

▶ MP3 Play

MP3 file list, you can select MP3/WMA format file.

1. Browse files: Press < [▣◄◄] > or < [►►▣] > shortly.
2. Play: Press < [►▣] > shortly, press it shortly again to pause.
3. Stop play: Press < [▣■] > shortly.

▶ Speech Play

In the speech file list you can select your speech (record) files (32 kbps WAV format files).

1. Browse files: Press < [▣◄◄] > or < [►►▣] > shortly.
2. Play: Press < [►▣] > shortly, press it shortly again to pause.
3. Stop play: Press < [▣■] > shortly.

▶ Record(MIC Record)

1. After selecting the record file menu press < [▭] > shortly to start your recording (WAV format files).
2. Press < [▣■] > shortly to stop your recording.

Note:
Please cancel the auto off function if you want to avoid a sudden stop of your recording. Make sure that the batteries have enough power before recording. Your record files are stored in the speech play list.

▶ MP3 Record(Line record)

You can also record external voice sources in MP3-quality with the help of the supplied line-in-cable.

1. Connect the line-in-cable to your unit and the external voice source.
2. Select "MP3 Record" in the menu and press <[▭]> shortly to enter record baud rate.
3. Select baud rate and press <[▭]> shortly to start the recording.
4. Press < [▭■] > shortly to stop your recording.

Note:
Your recording files are automatically stored in the MP3 Play list.

▶ Setting

● EQ Effect

Choose one of the umpteen EQ modes in the unit and pay attention to further information on the main display afterwards.

1. After entering the MP3 main menu, press < 🖭 > shortly to enter the setting mode.
2. To select and EQ effect press < 🖭 > shortly.
3. Press < ⏮ > or < ⏭ > shortly to select the EQ which you want to select.
4. Press < 🖭 > shortly to confirm.

> **Note:**
> There are four different EQ modes: Normal, Classic, Jazz, DBB. You can press < 🔲 > shortly directly to select.

● Replay

Choose one of the umpteen play modes and pay attention to further information on the main display afterwards.

1. After enter the MP3 main menu, select "Setting", press < 🖭 > shortly to enter the setting mode.
2. Press < 🖭 > shortly to select "Replay".
3. Press < ⏮ > or < ⏭ > shortly to select.
4. Press < 🖭 > shortly to confirm.

> **Note:** You can choose between four different modes:
>
> | | |
> |---|---|
> | ⑤N Normal Play | ⑤A Repeat All |
> | ⑤1 Repeat One Play | ⑤R Random |

● LED

The setting of LED in MP3 is similar to the setting in radio mode.

● Auto Off

The setting of automatically off in MP3 is similar to the setting in radio mode.

● Delete Archives

There are two delete modes:
(1). To delete a single file choose "delete archives".
(2). To delete all files choose "format".
Caution: After confirming the delete the file(s) can not be restored.

1. After entering the MP3 main menu press < 🖭 > shortly to enter the setting mode.
2. Select "Delete Archives", press < 🖭 > shortly to enter selecting:

Delete Archives

- Press < ⏮ > or < ⏭ > shortly to select "Delete Archives".
- Press < 🖭 > shortly to enter the selectting mode to delete a file. On the main display "ERASE?" appears and you can select the file you want to delete.
- Press < 🖭 > shortly to confirm the file deletion. To exit press < 🔳 > shortly.

Format

- Press < ⏮ > or < ⏭ > shortly to select "Format".
- Press < 🖭 > shortly to enter confirming mode. To confirm the deletion select "Yes", to exit the "format" deletion select "No".
- Press < 🖭 > shortly to confirm.

> Note: If an error message appears in the display, connect the unit to a pc in order to format it.

To use the MP3 player separately actuate the "Shortcut button" and edge up the MP3 player ball. Then take down the MP3 player, insert the batteries and plug in the earphones.

▶ Turn On/Off

1. Turn On: Press (above 2 seconds) < (⚊) > shortly to turn on.
2. Turn Off: Press < (■) > until "BYE BYE" appears on the LCD.
3. If you don't operate to MP3 for 5 minutes, the MP3 will turn off.

▶ Play/Pause/Stop

1. Play: Press < (⚊) > shortly to start playing music.
2. Pause: When playing, press < (⚊) > shortly to pause. Press the button again to continue playing.
3. Stop: Press < (■) > shortly to stop playing.

▶ Selected Song/FF, RW

1. Selected Song: Press < (▲) > or < (▼) > shortly.

2. FF, RW: Press < (▲) > or < (▼) > down.

▶ Volume Control

1. Volume Up: Press < (+) > .

2. Volume: Press < (–) >.

▶ Menu Function

Press < (≡) > shortly to enter menu.

Note :
You can record MP3 when you use MP3 separately.

▶ A-B Repeat

1. Setting srart A: Press < (•) > shortly, "A- " appears on the small display.
2. Setting end B: After setting start A, press < (•) > shortly when you want to end repeating. "A-B" appears on the display.
3. Press < (•) > shortly to cancel the repetition.

▶ Recording

Outright Recording: Press (above 2 seconds) < (•) > long to start recording (MIC Record).

Note:
You can only record MP3 in combination with the radio. Consult page 24 to get to know how to record.

CONNECT TO PC AND DATA TRANSFER

If you are using an operating system below Windows 98SE, please install the need driver. After installing connect your unit to the PC and open the 98 driver/af98drv5lng_04.exe from the supplied CD to complete your installation.

1. Please use the supplied USB cable to connect the PC and the MP3-Player.
2. Windows checks the new hardware automatically when you connect the unit to your PC the first time.
3. After the connecting is successful, a removeable disk will appears in "My Computer". The sign of the disk will be different because of different disk partition. You can copy, paste, delete, etc. in the removeable disk as in a disk of the computer.
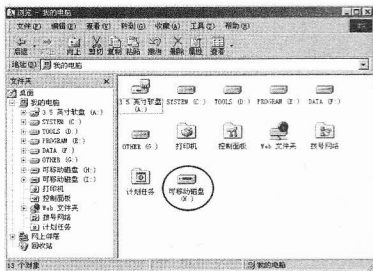
4. Before you disconnect the USB-cable, you have to click "Unpull or Eject Hardware" and wait until the safety indicator appears.

FIRMWARE UPDATING

1. After connecting put on the CD DE1121MP3RadioVxx.exe file to start updating.
   Note: Please do not disconnect the USB cable while updating.
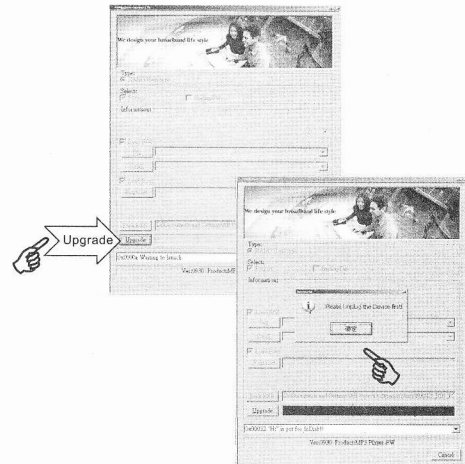
2. When the update is finished click confirm. The unit will be disconnected automatically.

If you cannot connect the unit to the PC proceed like this to update:
1. Take off the MP3-Player from the radio and take out the DF6-Battery.
2. Press < $\boxed{\bar{\mathrm{I}}}$ > and other any one button down, and at the same time connect the unit to PC.
3. After wait about 3 seconds and let the key go.
4. Now you can continue with the steps described above.
5. Disconnect to PC, after connecting over again, use the PC FAT32 format to MP3.

1. Run the Winamp.exe file (Music play software, support MP3, WAV etc. Multi-audio format) in CD directory, follow the clews of appearance complete installation.
2. Run Lyrie.exe file (Lyric convert tool) in the CD directory, you need to install it to under the Winamp root directory.
3. After the installation completed, open Winamp player software and run: file/Lyrie to open lyric convert tool.
4. Click the toolbox which is at the bottom of the convert tool interface, select "Edit Lyric" , then you can input the lyrics.
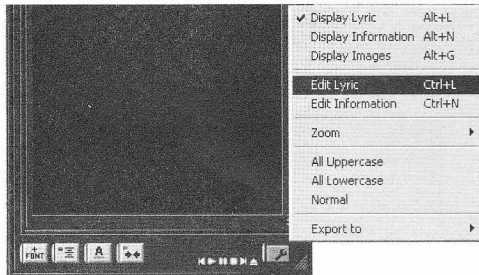
5. Click toolbox, select Import From/.LRC or .TXT, open lyric file of .LRC or .TXT format (need to with time label), then the lyric convert tool interface will show the opened lyric, user can edit lyric file for yourself.
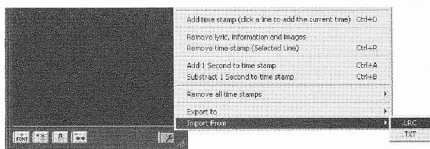
◆ The player only support above format time labels :
[00:05] Love
[00:08] Singer: Andy
◆ If one lyric show [00:05.10] Love, you must to edited it to
[00:05] Love
6. Save the lyric file(After the lyrics will incorporate to *.MP3 file).

SPECIFICATIONS OF RADIO

1. Frenquency Range		
FM	70.00 - 108.00 MHz	
LW-MW	50 -1719 KHz	

SW	3.000 – 29.999 MHz		
49m	5.800 - 6.400 MHz	16m	17.400 - 18.000 MHz
41m	6.900 - 7.500 MHz	13m	21.400 - 22.000 MHz
31m	9.300 - 9.900 MHz	11m	25.500 - 26.100 MHz
25m	11.500 - 12.100 MHz		
22m	13.300 - 13.900 MHz		
19m	15.100 - 15.700 MHz		

2. Preset Frequencies/Stations: 400 Frequencies; 100 Stations

3. Noise Limit Sensitivity
FM   5 μV
MW   1mv/m
SW   20 μV

4. SW Selectivity   Wide Band excelled 20dB   Narrow Band excelled 80dB

5. AM Second IF BW
Wide Band Less Than 9KHz   Narrow Band Less Than 4KHz

6. Most Line Import   500mV

7. Power Supply
Built-in Battery   AA*3
External Power Supply   6V 300mA

8. Built-in Loudhailer   D77mm
9. External Earphone   D3.5mm

10. Dimensions   About   163 * 32 * 103mm
11. Weight   About   300g(excl.Battery)

SPECIFICATIONS OF MP3

FLASH Memory	256M/512M
Max Record Time	Approx. 16H/32H
Music Format	MP3/WMA
Record Format	MP3/WAV
Microphone	Capacitive Microphone
Battery Consumption	DF6 Approx. 3H
Earphone Output	>3mW*2
Communication Standard	USB2.0
MP3/WMA Access Rate	32Kbps - 320Kbps
Battery	DF6*1
Weight	Approx. 36g(excl. Battery)
Dimensions	58*36*15mm

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FM	70.00 - 108.00 MHz	
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41m	6.900 - 7.500 MHz	13m	21.400 - 22.000 MHz
31m	9.300 - 9.900 MHz	11m	25.500 - 26.100 MHz
25m	11.500 - 12.100 MHz		
22m	13.300 - 13.900 MHz		
19m	15.100 - 15.700 MHz		

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SPECIFICATIONS OF MP3

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