

TABLE OF CONTENTS

BASIC CONTROLS	1
POWER SUPPLY	3
POWERING	3
BATTERY POWER	3
SOLAR POWER	4
CHARGING NI-MH BATTERY	5
SOLAR CHARGING	5
DYNAMO CHARGING	6
ADAPTOR CHARGING	6
USB COMPUTER CHARGING	7
CHARGING CELL PHONE	8
BASIC OPERATIONS	9
USING FLASHLIGHT	9
USING ALERT LIGHT	9
USING SIREN	9
RECEPTION OF A RADIO	10
SPECIFICATIONS	12

KEY FEATURES

- FM/MW/SW1, 2 World Band Receiver
- FM: 87 - 108 MHz
- MW: 520 - 1710 KHz
- SW1: 5.80-10.00 MHz
- SW2: 11.6- 18.2 MHz
- Cranking Dynamo & Solar Power Supply
- Red LED Light (Flashes) & Alarm Function
- Flashlight with 3 White LED Lights
- Cell Phone, MP3 & MP4 Charging Jack (Standard USB Jack)
- External Adaptor Jack (Mini USB 5 Pin Jack)
- Built-in Speaker
- Earphone Jack (3.5mm)
- Power Sources: Ni-MH Battery, 3 x AAA Alkaline Batteries or Solar Power
- Charged by: Cranking Dynamo, External Adaptor, Computer or Solar Power
- Radio Size: 133 x 62 x 47 mm
- Accessories: Ni-MH Battery, Cell Phone Charging Cable & Operation Manual.

DEGEN

DE13

OPERATION MANUAL



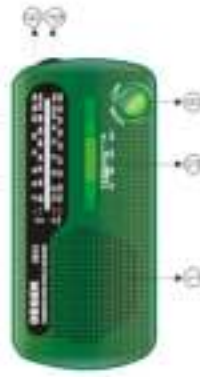
PATENT NO.: 200830154748.2

DE13

DEGEN

BASIC CONTROLS

FRONT



RIGHT SIDE



- ① Speaker
- ② Band Switch
- ③ Volume Knob
- ④ Tuning Knob
- ⑤ Frequency Dial Scale
- ⑥ Phone Charger Jack
- ⑦ Earphone Jack
- ⑧ DC IN Jack

BASIC CONTROLS

TOP



REAR



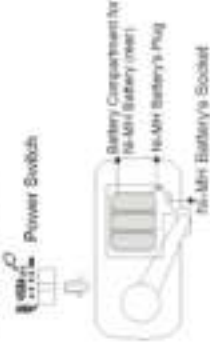
- ① Multifunction Switch
- ② Power Switch
- ③ Solar Panel
- ④ Strap Hole
- ⑤ Telescopic Antennas
- ⑥ Battery Compartment (AAA Batteries)
- ⑦ Hand Crank
- ⑧ Battery Compartment (Ni-MH Battery)
- ⑨ Flashlight

POWER SUPPLY

POWERING

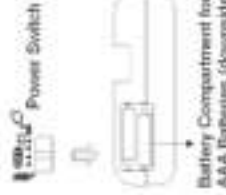
BATTERY POWER

1. The battery compartment which is in the rear of the unit is for the rechargeable Ni-MH battery. And the rechargeable Ni-MH battery has been disconnected for transportation purposes. Before using the unit, please open the battery compartment and connect the rechargeable battery's plug into it's socket according to the correct direction. Then set the <Power Switch> to "ON" position.



2. The battery compartment which is in the downside of the unit is for the AAA batteries (alkaline or rechargeable). After installing the batteries, set the <Power Switch> to "ON" position, then use the unit.

POWER SUPPLY

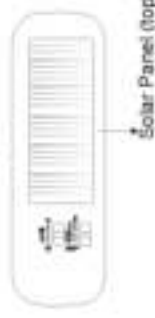


NOTE: The Ni-MH battery and AAA batteries (alkaline or rechargeable batteries) can supply the power separately.

SOLAR POWER

1. Set the <Power Switch> to "ON" position.
2. Put the unit in the sunlight, make the solar panel of the unit is irradiated directly by the sunlight. If the sunlight is enough strong, the power light ("ON") in the front of the unit will be on. Or else, the power light ("ON") can not be on and the unit can not work normally.

POWER SUPPLY



CHARGING NI-MH BATTERY

SOLAR CHARGING

1. Set the <Power Switch> to "ON" or "OFF" position.
2. Put the unit in the sunlight, make the solar panel of the unit is irradiated directly by the sunlight. The unit will charge the Ni-MH battery automatically.
3. While charging, the "CHA." light in the front of the unit will be on.

POWER SUPPLY

DYNAMO CHARGING

1. Set the <Power Switch> to "ON" or "OFF" position.
2. Turning the hand crank, the built-in dynamo will start to generate electricity. The unit will charge the Ni-MH battery automatically.
3. While charging, the "CHA." light in the front of the unit will be on. The lightness of the charging light shows the charging intensity of the battery power.



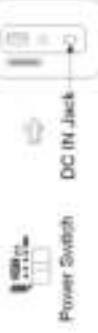
Power Switch

ADAPTOR CHARGING

1. Set the <Power Switch> to "ON" or "OFF" position.
2. Plug one port of the matched adaptor into the AC outlet, plug the other port into the <DC IN Jack> of the unit. The unit will charge the Ni-MH battery automatically.

POWER SUPPLY

3. While charging, the "CHA." light in the front of the unit will be on.

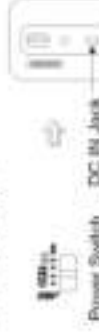


Power Switch

NOTE: The longest charging time is 8 hours.

USB COMPUTER CHARGING

1. Set the <Power Switch> to "ON" or "OFF" position.
2. Plug one port of the matched USB cable into the USB jack of the computer, plug the other port into the <DC IN Jack> of the unit. The unit will charge the Ni-MH battery automatically.
3. While charging, the "CHA." light in the front of the unit will be on.



Power Switch

NOTE: The longest charging time is 8 hours.

POWER SUPPLY

CHARGING CELL PHONE

1. Use the cell phone tip which is matched with your cell phone, to connect the supplied Cell Phone Charging Cable and your cell phone.
 2. Plug the other part of the supplied Cell Phone Charging Cable into the <PHONE CHARGER Jack> of this unit.
- Note:** If the supplied Cell Phone Charging Cable is matched with your cell phone, you can not use the cell phone tip.
3. Set the <Power Switch> to "ON" position.



Then select the charging mode as below:

4. Turn the hand crank to charge the cell phone.
- NOTE:** Maybe the unit can't charge for some cell phone which have the special requirements about the voltage and current.

BASIC OPERATIONS

USING FLASHLIGHT

Set the <Multifunctional Switch> to "ON" position, the flashlight will be on. Set the <Multifunctional Switch> to "OFF" position, the flashlight will be off.



USING ALERT LIGHT

Set the <Multifunctional Switch> to "ON" position, the middle red flashlight will blink. Set the <Multifunctional Switch> to "OFF" position, the alert light will be off.

USING SIREN

Set the <Multifunctional Switch> to "ON" position, the siren will be on. Set the <Multifunctional Switch> to "OFF" position, the siren will be off.

NOTE: You can use the FLASHLIGHT, ALERT LIGHT and SIREN in any power mode.

BASIC OPERATIONS

RECEPTION OF A RADIO

1. Select the power mode.
2. Select the band: Set the <Band Switch> to "FM", "MW", "SW1" or "SW2" position to listen to the FM, MW, SW1 or SW2 programs.
3. Adjust the volume: Rotate the <Volume Knob> to adjust the volume level.



4. Tuning in stations: Rotate the <Tune Knob> and pay attention to display of the frequency dial scale.



BASIC OPERATIONS

Note: While listening to the FM, SW1 and SW2 programs, please pull up the telescopic antenna all the way, rotate the unit and get close to the window to get the best reception. While listening to the MW programs, please rotate the unit to get the best reception.

5. Turn off the unit: Set the <Power Switch> to "OFF" position.



SPECIFICATIONS

1. Frequency Range
FM: 87.0 - 108.0 MHz
MW: 520 - 1710 KHz
SW: 5.80 - 18.20 MHz
2. Noise Limit Sensitivity
FM $\leq 5 \mu V$
MW $\leq 2.5mV/m$
SW $\leq 50 \mu V$
3. Signal Selection $\geq 40dB$
4. Max. Output Power: About 100mW
5. Max. Volume Output Current:
About 120mA
6. Power Supply
Batteries: 3xAAA Size (3x1.5V)
DC: 5V
7. Speaker: $\varnothing 50mm$
8. Earphones: $\varnothing 3.5mm$
9. Dimensions: 133 * 62 * 47 mm
10. Weight: Approx 250g
(inc. Ni-MH Battery)