



Wind Up Analogue Waterproof Radio

Stock No.02380

Part No.WPWUAR

INSTRUCTIONS

07/2010



SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Radio

Sensitivity of the FM	Better than 10 uV
Sensitivity of the AM	Better than 3 mVm
Reception scope of the FM	87(+0-1) - 108(-0+1)MHz
Reception scope of the AM	520(+0-10) - 1620(-0+30)KHz
The audio frequency output power	More than 100 mW
Radio working time after 1 minute winding (2.5 - 3 revolutions per second)	10 - 18 minutes (moderate volume)
Radio working time after being charged fully	≥4 hours (moderate volume)

Charged by outside power

1. Input voltage	5 - 5.2V
2. Charging interface	DC plug Ø3.5 x Ø1.3
3. Fully charged time	5 hours (approx.)

Main parts life-span

Switch	5000 times
The whole unit	5 years
The plastic part	5 years

Size and weight

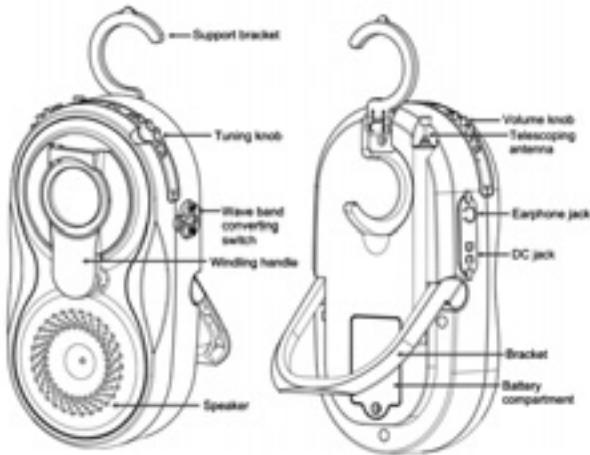
Antenna length (external part)	190mm (approx.)
Product size	135 x 74 x 45mm (approx.)
Product weight	216g (approx.)

Others

Specification of built-in battery	300mAh, 2.4v
Diameter of built-in speaker	Ø50mm 8Ω 0.5W
Built-in generator	2.5W (without brush motor)

Warning:

1. When holding the radio wind steadily.
2. In order to assure the life of the battery and mechanical parts.
 - a) Do not wind the handle for more than five mins when the power of the battery is enough (working normally) and less than 15 mins when it has run out of power.
 - b) When the light is dim or the radio is soundless, it means the battery is flat. Please turn off the light and radio or wind it for a while.
 - c) Winding it as even as possible (keep rotating it steadily, 2.5 or 3 revolutions per second is best). Avoid winding too violently and quickly or changing the winding direction abruptly. Winding too slowly would make current weak and influence the charging efficiency and too violently will possibly damage the driving system.
 - d) Do not wind it for a long time or too violently.
 - e) In order to prolong the life of the battery, you should wind it for at least one min. once a month.
3. Do not drop or hit this product.
4. Avoid using corrosive liquid or hard cloth to cleanse.
5. Turn off the light when charging.
6. The product will get hot if winding for a long period of time.



OPERATION

WARNING: Do not submerge in water.

1. Winding to charge the unit:
Unlock the handle and wind it at the speed of 2.5 to 3 circles per second.
2. Charged by external power source:
Connect with the 5V adapter to charge the internal battery, and about 5 hours it will be fully charged.
3. Reception of radio:
 - A. Operation of the power switch and volume adjusting:
Turn the volume knob clockwise to increase the volume. Turn the volume switch anticlockwise to decrease the volume gradually, a "crack" sound will be heard to show power off.
 - B. FM/AM wave band shifting: Push the wave band converting switch down for FM and up for AM.
 - C. Station search: Observe the tuner indicator while tuning and select the radio program you need. Tune the knob to an optimal position in which the reception effect is the best.
 - D. Use of antenna:
 - a). This product adopts telescoping antenna to receive signal for FM . When the signal is weak, you can extend the antenna or change the direction of the antenna to find the optimal position, thus can improve the reception effect.
Whereas, shrink the antenna when the signal is strong.
 - b). It adopts built-in magnetic antenna to receive signal for AM. You can change the position of the product properly when the signal is weak.

Note:

- a. It is advised to turn the volume to the optimal position (be comfortable) when you listen to it.
- b. Avoid places like high building, basement, etc, as possible as you can, such places will badly influence the effect of the reception Leave far away from the induction cooker, fluorescent lamp, car generator, motor, computer or such electrical equipment that may disturb the signal easily.
4. Earphone:
Plug the earphone into the earphone jack, the speaker will be turned off automatically.