

PRECISION

AP046 – Instruction Manual

The Radio-Controlled Clock

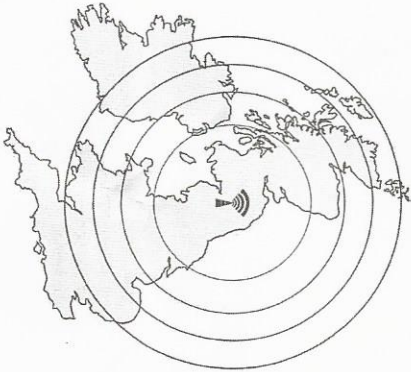
With the Radio-Controlled Clock, you can have the most accurate time within the UK. It can receive the time signal transmitted by VT Communications of United Kingdom, which is regulated by atomic clock and in average deviates less than 1 second in 10 million years. VT Communications transmit the time signal (MSF 60KHz) continuously from Anthorn at latitude 54°55'N and longitude 3°15'W. The main cause of reception difficulties are local interference and screening due to nearby metalwork, for example in a steel-frame building.

For more information, please study the WEB page of VT at: <http://www.npl.co.uk/time/msf>.

Environmental Reception Effects

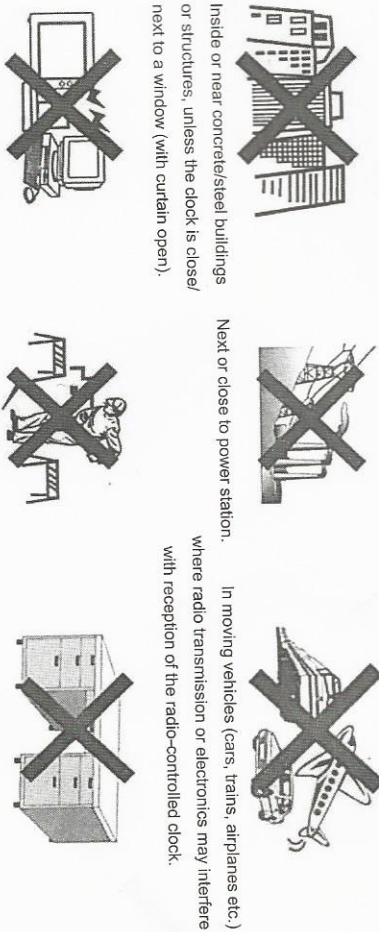
The Radio-Controlled Clock obtains the accurate time with wireless technology. As with all wireless devices, the receiving ability may be affected by, but not limited to, the following circumstances:

- Long transmitting distance.
- Nearby mountains and valleys.
- Among tall buildings.
- Near railway, high voltage cables, etc.
- Near motorway, airport, etc.
- Near construction site.
- Inside concrete buildings.
- Near electrical appliances.
- Near computers and televisions.
- Bad weather.
- Inside moving vehicles.
- Nearby metallic structures.



Location precautions

This clock receives a radio wave much like a TV or radio. Be sure to locate it near a window or some other locations where reception is good. Avoid the following locations, which can interfere with proper reception:



Quick Set Up

1. Insert 2 x AA batteries (not included), following the correct polarity.
2. Place the clock on a windowsill.
3. Leave to find the signal so the clock sets automatically, this may be overnight.

1. Main Functions:

1. Six function keys: TIME, ALM, UP, DOWN, SNZ, WAVE.
2. English language to show the Weekday.
3. Time display: Hour, Minute, Second.
4. Calendar range (2000~2099 year), 12/24 hour selectable.
5. °C/°F selectable.
6. Indoor temperature range: -9.9°C—59.9°C, Sampling every 30 seconds.
7. Keypad tone beep, single alarm setting.
8. Snooze function, rings again after 5 minutes.
9. Radio Control Clock (RCC) receiving mode: MSF.
10. 8 Moon phases.

2. Operating instructions

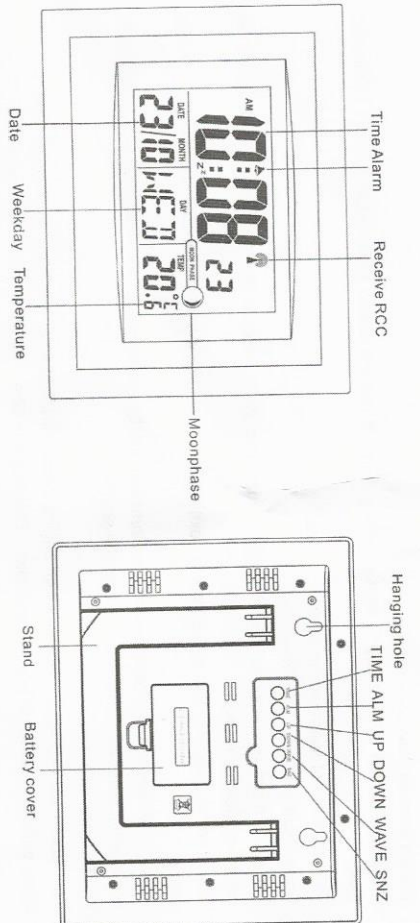
If the clock does not locate the radio signal, the time can be manually set. If the radio mast symbol is flashing it means the clock is searching for a signal, press the "WAVE" key to stop the signal search and the time can then be manually set.

2.1. Time setting:

1. Hold "TIME" key for 2 seconds to enter time setting.
2. Setting item will flash once per second.
3. Press the "UP" or "DOWN" key to set the flashing item. When it is correct press "TIME" to move to the next item.
4. The sequence of time setting is: 12/24, Hour, Minute, Year, Month and Date.
5. During setting, the moon phase and day will change according to the change of year, month and date.
6. During setting, pressing "WAVE" key will exit setting, the setting will be confirmed and enter RCC receive status (searching for a signal).
7. The system will exit automatically if no key is operated within 30 seconds and the previous setting will be confirmed automatically.
8. The alarm can only be set when the radio mast is not flashing. If it is flashing press the "WAVE" key to stop the signal search.

2.2. Alarm setting

1. Hold "ALM" key for 2 seconds to enter into alarm setting.




2. Setting item will flash once per second.
 3. Press the "UP" or "DOWN" key to set the flashing item. When it is correct press "ALM" to move to the next item.
 4. The sequence of alarm setting is: Hour, Minute.
 5. Press "ALM" key to confirm the setting.
 6. The system will exit automatically if no key is operated in 30 seconds and the previous setting will be confirmed automatically.
 7. During setting, pressing the "WAVE" key will exit setting, the setting will be confirmed and enter RCC receive status.
 8. Press "ALM" key to switch alarm on/off, the alarm can only be turned on/off if the radio mast is not flashing. If it is flashing press the "WAVE" key to stop the search.
- 2.3 The function of alarm**
1. The Buzzer will ring for 2 minutes. When ringing, press "SNZ" to enter into 5 minute snooze state. Z z will flash to show the alarm is in a snooze state. Pressing any other key will stop the alarm ringing.
- 3. The function of temperature**
1. Indoor temperature range: -9.9°C—59.9°C.
 2. Sampling every 30 seconds.
- 4. RCC receiving function:**
1. How to enter RCC receiving status:
 - a. It will enter RCC receiving state automatically after powering ON or resetting.
 - b. Hold "WAVE" key to force RCC receiving mode.
 2. The clock will enter automatic RCC receiving mode in the morning at 1:00, 2:00, 3:00, 4:00, 5:00. It will leave receiving mode after the first successful receipt. If not successful by 5:00a.m. it will not try again until the following day. RCC receiving time is 7 minutes.
 3. The displaying of icons during receiving:
 4. When it enters RCC receiving status, the tower-shaped part of RCC symbol on the LCD will flash once a second.
 - a. When it is receiving the signal, the tower-shaped part of RCC symbol and the curved antenna symbol of RCC will flash once a second.
 - b. When the signal is too weak to be received, the tower shape of RCC will flash once a second, while the curved antenna symbol will not display.
 - c. After receiving the synchronization signal, the RCC symbol will fully display and exit the receiving status.
 5. When it is receiving signals, pressing "WAVE" key will exit RCC receiving status. Pressing any other key will have no effect.
 6. When it fails to receive the signals in a day, it will try again at 1:00a.m the next day.
 7. During receiving RCC, if the alarm rings, it will exit RCC receiving status first and change into alarm ringing status.
 8. Once the RCC symbol is displayed fully, the relative RCC icon will go OFF if you manually reset the time.

5. BATTERY PRECAUTIONS

- Use only fresh batteries of the required size and recommended type.
- Never leave dead or weak batteries in the unit.
- If the unit does not respond to your commands replace the batteries.
- If you do not plan to use the unit for several weeks, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.
- Dispose of batteries promptly and properly. Do not burn or bury them.
- Non rechargeable batteries are not to be recharged. Rechargeable batteries are to be removed from the unit before being charged. Rechargeable batteries are only to be charged under adult supervision.
- The supply terminals are not to be short circuited. The batteries are to be inserted with the correct polarity.
- Batteries are harmful if swallowed so keep away from young children. Do not remove outer casings.

WEEE

 The wheeled bin symbol indicates that waste and electrical equipment should not be treated as normal household waste. It should be segregated and recycled when it has reached the end of its life, which can be done free of charge at civic amenity sites.

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