

PRECISION

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:



Inside or near concrete/steel buildings or structures, unless the clock is close/next to a window (with curtain open), may interfere.



Next or close to power station. In moving vehicles (cars, trains, airplanes etc.) where radio transmission or electronics with reception of the radio-controlled clock.



Too close to household appliances (computer, TV, video/audios, fax machines, speakers).



Near construction sites, traffic lights, neon lights etc.



Close to or on top of metal

Technical Data

- Radio controlled Clock via – MSF Frequency
- Time in 12/24 hour format
- Manual time setting
- Continuous calendar up to year 2099
- Date and weekday display
- Temperature alternatively in °C or °F
- Automatic snooze function (5 minutes)
- Thermometer: Indoor measurement ranges: -9.9°C ~ 59.9°C (calibration time 30 seconds).

"WAVE" MUST BE OFF TO MANUALLY SET TIME AND ALARM

Manual time setting:

- Press and hold down the "SET" button for 2 seconds, the 12/24 hour mode display starts to flash. Now use "▲" and "▼" buttons to set the correct 12/24 hour mode.
- Press "SET" to confirm your setting, the hour display starts to flash. Now use "▲" and "▼" buttons to set the correct hour.
- Press "SET" to confirm your setting, the minute displays starts to flash. Now use "▲" and "▼" buttons to set the correct minute.
- Press "SET" to confirm your setting, the year display 2004 starts to flash. Now use "▲" and "▼" buttons to set the correct year.
- Press "SET" to confirm your setting, the month display starts to flash. Now use "▲" and "▼" buttons to set the correct month.
- Press "SET" to confirm your setting, the date display starts to flash. Now use "▲" and "▼" buttons to set the correct date.
- Press "SET" to confirm your setting and to end the setting procedures, enter the clock mode.

FYI

- After 30 seconds without pressing any button, the clock switches automatically from set mode to normal time mode.

Setting the daily alarms;

This radio controlled clock has a daily alarm. To activate the alarm, in clock mode, press the ALARM button once, the LCD will display the "bell" icon. To deactivate the alarm, press the alarm button again and the icon will disappear.

- Press and hold down the ALARM button for 2 seconds until the alarm time flashing icon is displayed. Now use "▲" and "▼" buttons to select the alarm time you require and briefly press the ALARM button to set this alarm time.

- The hour display of the alarm time starts to flash. Use the "▲" and "▼" buttons to set the required hour. Press ALARM button to confirm your setting.
- The minute display of the alarm time starts to flash. Use the "▲" and "▼" buttons to set the required hour. Press ALARM button to confirm your setting and to end the setting procedure.
- The alarm will sound for 2 minutes if you do not deactivate it by pressing any button. In the case the alarm will be repeated automatically after 24 hours.
- Rising sound alarm (crescendo; duration 2 minutes) changes the volume 4 times whilst the alarm signal is heard.

Automatic Snooze Function

- Proceed as follows to activate the automatic snooze function. While the alarm is sounding, press the SNOOZE button to activate the snooze function. The snooze function is active if the "Zz" icon appears on the display.
- This operation moves the alarm back by 5 minutes and the alarm will restart at this time.
- The snooze function can be interrupted by pressing any button.

°C/°F Temperature Display

- The temperature is displayed either in °C or °F. Briefly pressing the "▼" button allows you to switch between the individual models.

Reception of the Radio Signal

- The clock automatically starts the MSF signal search on any restart or if the batteries are changed. The radio mast symbol should start to flash.
- At 01:00am the Radio controlled clock automatically carries out a synchronization procedure with the MSF signal to correct any deviations to the exact time. If this synchronization attempt is unsuccessful (the radio mast symbol will disappear from the display), the system will automatically attempt another synchronization at the next full hour. This procedure is repeated automatically up to 5 times.
- The start manual MSF signal reception, press the "WAVE" button, if no signal is received within seven minutes, then the MSF signal search stops (the radio mast symbol disappears) and starts again the next full hour.

FYI

- If the clock cannot receive the MSF signal you have the option of setting the time manually as mentioned above. As soon as the reception of the MSF signal is possible, then the clock is readjusted automatically.
- We recommend a minimum distance of 2.5 meter (8.2 feet) to all sources of interference, such as televisions or computer monitors. Radio reception is weaker in rooms with concrete walls and in offices. In such extreme circumstances, place the system close to a window

CARE OF YOUR CLOCK

Clean your clock with a soft cloth or paper towel. Do not use corrosive cleaners or chemical solutions on the clock. Avoid putting the clock in a highly humid environment such as poolside or in a bathroom. Do not expose the clock to direct sunlight, extreme hot or cold temperatures.

Note :

Attention ! Please dispose of used unit and batteries in an ecologically safe manner.


Customer help line 0121 524 1400 (Monday - Friday 9:00am - 5:00pm).

For more information relating to Precision radio Controlled products.

Please visit our website www.precisiontimekeeping.com

Email Address : customerservice@peershardy.co.uk

Battery precautions

1. Use only fresh batteries of the required size and recommended type.
2. Do not mix old and new batteries, different types of batteries (standard, alkaline or rechargeable) or rechargeable batteries of different capacities.
3. Never leave dead or weak batteries in the unit.
4. If the unit does not respond to your commands, replace the batteries.
5. If you do not plan to use the unit for several weeks, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.
6. Dispose of batteries promptly and properly. Do not burn or bury them.
7. 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.
8. The supply terminals are not to be short circuited.
9. Batteries are harmful if swallowed so keep away from young children. Do not remove outer casings.
10.  The WEEE symbol indicates that waste electrical and electronic equipment should not be treated as normal household waste. It should be segregated and recycle when it has reached the end of its life, which can be done free of charge at local Civic Amenity Sites. For your nearest facilities see www.recycle-more.co.uk.

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Email Address: customerservice@peershardy.co.uk

PH Services, Precision House, Unit 4, Starley Way, Birmingham International Park, Bickenhill Lane, Solihull, B37 7GN



The National Physical Laboratory (NPL) is the UK's home of measurement and the nation's timekeeper. NPL is responsible for operating the national time system and making accurate time available across the UK. The clock you have just received keeps accurate time by picking up NPL's radio signal, called MSF, which is broadcast on 60 khz from a location in Cumbria. This transmission carries a date and time code that radio controlled clocks use to set themselves to the correct time. The signal is controlled by atomic clocks at the radio station, and is adjusted to keep it in step with the national time maintained at NPL's laboratory in south-west London. For more information visit www.npl.co.uk/time Your clock is controlled by the MSF signal which is synchronised to the national time scale at NPL.



TIME FROM NPL
forever accurate