

DC batteries as power source:

If using three "AA" batteries (not included) to power-up the clock, the time projection image and LCD backlight will not be permanently lit in order to save battery life. Press SNOOZE/LIGHT button to light-up both projection image and LCD backlight for 5 seconds on demand.

CARE OF YOUR CLOCK

Replace the batteries promptly when necessary and store the clock without batteries when not in use. It is time to replace the batteries when the LCD display becomes dim. 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. Do not use rechargeable batteries. Non-rechargeable batteries are not to be recharged. Different types of batteries or new and used batteries are not to be mixed. Only batteries of the same or equivalent type as recommended are to be used. Batteries are to be inserted with the correct polarity. Exhausted batteries are to be removed from the product. The supply terminals are not to be short-circuited. Do not dispose of batteries in fire; batteries may explode or leak.

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
PH Services, Precision House, Unit 4, Startey 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, making it 'forever accurate'



TIME FROM NPL
forever accurate



Note:
The WEEE symbol indicates that waste electrical and electronic 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 local Civic Amenity Sites. For your facilities see nearest facilities see www.recycle-more.co.uk.

PRECISION

AP020 - 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).



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).



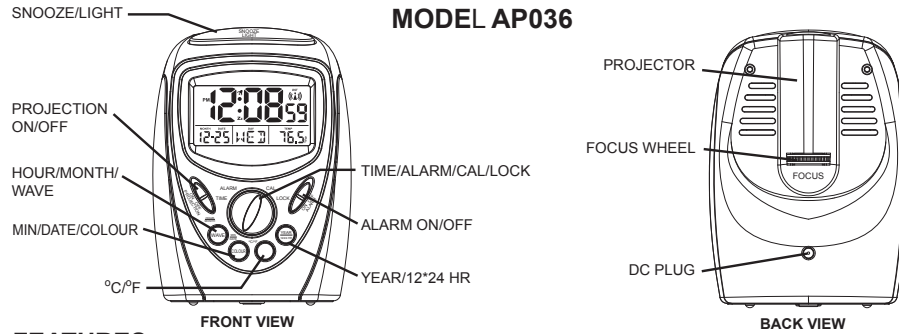
Near construction sites, traffic lights, neon lights etc.



Close to or on top of metal

RADIO CONTROLLED LCD PROJECTION ALARM CLOCK OPERATING INSTRUCTIONS

MODEL AP036



A. FEATURES

1. Automatic time and calendar set up
2. Accurate to 1 second in 10 million years* and changes automatically in daylight savings time function (DST) Spring and Autumn
3. Time, Alarm Time, Calendar and Temperature LCD display
4. Alarm and 5 minute snooze
5. 12 or 24 hour format switchable
6. Seven LCD backlight colours selectable
7. Temperature display °C / °F switchable
8. Power supply : AC 230 V, 50 Hz BS approved adaptor supplied
9. Three (3) "AA" batteries (not included) for DC mode operation

B. INSTALLING OR REPLACING THE BATTERIES

Take-off the battery compartment cover at the back of the clock. Insert 3 "AA" batteries (not included) into the battery compartment and make sure the polarity is correct by following the (+ or -) symbols engraved inside. Replace the battery compartment door on the back of the clock. Replace the batteries whenever the display becomes dim or difficult to read.

C. RADIO CONTROLLED FEATURE

After the batteries are inserted, the clock will display time and date. Immediately, radio signal reception is initiated and the "((Ⓜ))" flashes. After 3-6 minutes, a full "((Ⓜ))" appears showing that your clock has received a successful reception and automatically sets its time. Reception and time calibration are initiated everyday at 1:00 AM automatically. If the signal is too weak and the clock cannot receive proper time information, reception will be terminated after 12 minutes and a "Ⓜ" mark appears. After an unsuccessful reception, trying for reception is initiated automatically at 2:00 AM and 3:00 AM. If the clock fails in radio reception, try to find a better place (near to window) and press and hold the HOUR/MONTH/WAVE button for 3 seconds. The radio signal reception will be initiated again. Place the clock where minimal electrical disturbance or shielding effects are expected. Try to avoid positioning very close to TV sets or computers.

This clock has been pre-programmed to automatically switch when daylight savings time is in effect.

NOTE: If you live in an area where daylight savings time is not observed, the time display on your clock will remain +/- one hour.

D. TO FORCE RADIO RECEPTION

1. Rotate TIME/ALARM/CAL/LOCK switch to LOCK position.
2. Press HOUR/MONTH/WAVE button for 3 seconds to force the clock to receive the radio signal.

E. SETTING THE TIME MANUALLY

1. Rotate TIME/ALARM/CAL/LOCK switch to TIME position to activate time setting.
2. Press HOUR/MONTH/WAVE button to set the desired hours.
3. Press MIN/DATE/COLOUR button to set the desired minutes.
4. Rotate TIME/ALARM/CAL/LOCK switch to LOCK position when the correct time is shown on the display.

NOTE : In normal time mode, press the YEAR/12/24HR button to toggle between the 12 and 24 hour formats.

F. SETTING THE CALENDAR

1. Rotate TIME/ALARM/CAL/LOCK switch to the CAL position. The Year digits will flash in the middle of display indicating it needs to be set. Press YEAR/12/24HR button to set the correct year.
2. Press HOUR/MONTH/WAVE button to set the correct month.
3. Press MIN/DATE/COLOUR button to set the correct date.
4. Rotate TIME/ALARM/CAL/LOCK switch to LOCK position when the correct calendar is shown on the display.

G. SETTING THE ALARM TIME

1. Rotate TIME/ALARM/CAL/LOCK switch to ALARM position to activate alarm time setting.
2. Press HOUR/MONTH/WAVE button to set the desired hours.
3. Press MIN/DATE/COLOUR button to set the desired minutes.
4. After the alarm has been set, turn TIME/ALARM/CAL/LOCK switch to LOCK position.
5. Rotate TIME/ALARM/CAL/LOCK switch to LOCK position when the correct alarm time is shown on the display.

NOTE: In normal time mode, press the YEAR/12/24 HR button to toggle between the 12 and 24 hour formats.

H. ACTIVATING THE ALARM AND SNOOZE

After setting the alarm to the desired alarm time, you may activate the alarm by sliding ALARM ON/OFF switch to ALARM ON position. On the time display of the clock the alarm indicator "Ⓜ" will appear on the upper centre display confirming the alarm is on. To activate the snooze function, press SNOOZE/LIGHT button when the alarm sounds. The alarm will stop and sound again five minutes later. The snooze indicator "Ⓜ" will appear on lower centre of display confirming the snooze function is activated. The snooze process may be repeated over and over again.

Slide ALARM ON/OFF switch to ALARM OFF position to de-activate the alarm. The alarm indicator "Ⓜ" will not appear.

I. CHOOSING LCD BACKLIGHT COLOUR

1. Rotate TIME/ALARM/CAL/LOCK switch to LOCK position.
2. Press MIN/DATE/COLOUR button to choose your favourite LCD backlight colour to illuminate when alarm sounds. There are seven different backlight colours for your selection.
3. Hold MIN/DATE/COLOUR button for two seconds to enter backlight demonstration. The LCD backlight colours will run for ten minutes then automatically shut-off. Stop the backlight demonstration by pressing SNOOZE/LIGHT button.

J. SWITCHING CELCIUS AND FAHRENHEIT TEMPERATURE DISPLAY

Press the °C / °F button to toggle between Celcius and Fahrenheit temperature display.

K. USING THE PROJECTOR

AC adaptor as power source:

Begin by inserting the supplied AC adaptor into DC plug on rear of clock. Slide PROJECTION ON/OFF switch to PROJECTION ON position, the time projection image will be lit up. Rotate the projector for best viewing position on the wall or ceiling. Adjust sharpness of image by turning focus wheel to left or right side. Slide PROJECTION ON/OFF switch to PROJECTION OFF position to turn-off projector. Press SNOOZE/LIGHT button to light-up projection image for 5 seconds on demand.