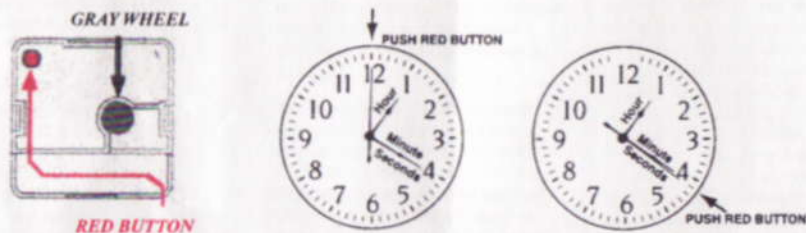


# Atomic Clock Instructions

## Basic Setting Procedure:

1. Insert one (1) "AA" alkaline battery into the clock.
2. Turning the **GRAY WHEEL**, on the back of the clock (See illus. A), set the time to approximately 5 minutes before the actual time. Note: the clock does not have to be set to the exact time.
3. When the second hand reaches the 12:00 position (See Illus. B), press and release the **RED BUTTON** on the back of the clock (See illus. A). You will hear a beep. If you do not hear a beep, remove the battery and briefly insert it backwards for one second, then reinsert it properly and repeat all steps.
4. After the second hand has passed one hash mark past the minute hand, (See illus. C) and release the **RED BUTTON**. You will hear a beep. If you do not hear a beep, remove the battery and briefly insert it backwards for one second, then reinsert it properly and repeat all steps.
5. The initial set-up is now complete. The second hand will double-step until it receives the signal and adjusts to the correct time. Once the signal is received the second hand will move in a normal sweep.

It is important that you press the **RED BUTTON** as indicated in steps 3 and 4. If you press the **RED BUTTON** too soon or too slow in the set-up process, your clock's accuracy may vary by a minute or two. Once the clock has received the signal you may manually adjust the hands to the correct minute by turning the gray wheel on the back of the clock. Do not adjust the hands before the signal is received.



## Battery Replacement

When changing an old battery repeat steps 1-5 in the Basic Setting Procedure.

The clock movement has a very specialized AM radio receiver that is tuned to receive the 60KHz WWVB time signal broadcast from the U.S. Government's Atomic Clock in Boulder, Colorado. The signal is an AM radio signal; weather conditions, electrical interference, solar conditions and the position of the clock's internal antenna effect its reception. As a general rule, best reception is at night and just before or after sunrise or sunset. Although the clock can work in most locations; the number of times that it adjusts itself to the U.S. Atomic Clock's time signal may depend on its location. Under certain weather conditions or in areas of poor reception it may take several days to receive a signal for the correct time. You can leave the clock where it is and wait a little longer or look for a better location (See Finding a Good Location).

## Finding a Good Location:

To aid in finding areas or walls with better reception, the movement has an audible beeper. To activate the beeper press the **RED BUTTON** while the clock is double stepping (see step 5 in the Basic Setting Procedure).

After pressing the **RED BUTTON**, you will hear one of the following options:

1. No beeping means you are near a very strong interference signal source such as a TV, or computer monitor, or metal wall.
2. Static or erratic sound means that the signal is very weak or there is interference.
3. On/off pulse (similar to a heartbeat) every second means a good, strong signal. Hang your clock on the wall and it will set to the correct time within 24-48 hours.

Some electronic appliances such as computers, TVs, florescent lights, microwaves, power lines, and metal siding walls can interfere with the clock's reception as well. Try to place the clock at least 3 feet from these objects or near a window for optimum performance.

## Daylight Savings Time ByPass:

If you live in an area, such as Arizona, Indiana, or Hawaii that does not observe daylight savings time changes, you can prevent automatic daylight saving time adjustments by pressing the **RED BUTTON** while inserting the battery. Release the **RED BUTTON** only after the battery has been completely inserted. Daylight savings time has now been bypassed, and you may follow the Basic Setting Procedure.

## FAQ (Frequently asked Questions)

Q. Why does the clock keep double stepping?

A. The clock has not received the signal yet. You can leave the clock where it is and wait a little longer or look for a better location (See Finding a Good Location).

Q. The minute hand does not quite point to the 12:00 on the hour. How can I fix this?

A. Carefully adjust the GRAY WHEEL on the motor to correct the hand position. On rare occasions, the second hand adjusts when adjusting the minute hand. If this occurs, reset the clock by following the Basic Setting Procedure to correct the misalignment.

Q. Will the clock adjust for daylight savings time?

A. Yes, the clock will automatically adjust for daylight savings time. The adjustment will take place after the clock receives the radio signal. **DO NOT MANUALLY ADJUST THE CLOCK FOR DAYLIGHT SAVINGS TIME CHANGES, THE CLOCK WILL ADJUST ITSELF**

Q. I live in an area where we do not observe daylight savings time. Can I prevent the clock from making the automatic daylight savings time adjustment?

A. Yes, press the **RED BUTTON** while inserting the battery. Release the **RED BUTTON** after the battery is fully inserted then follow the Basic Setting Procedure.

Q. Can I set the clock so that it will always be exactly five minutes fast?

A. Yes, after the clock has received the signal, turn the **GRAY WHEEL** to advance the hands five minutes.

Q. How can I find the correct time in my area?

A. Check your phone book for a local number, call (303)499-7111 and wait for an announcement, or visit <http://www.nist.gov>

The atomic feature of this clock may not work in all areas due to the strength of the radio signal or your geographical location. If the clock does not pick up the signal, it will function as a standard quartz clock.

## 3-Year Limited Warranty:

Any Atomic Clock manufactured by Chicago Lighthouse Industries, which proves to be defective in material or workmanship within three years of original purchase, will be repaired or replaced at our option. This warranty does not cover damage in shipment or failure caused by tampering, carelessness, or misuse.

The Chicago Lighthouse For People Who Are Blind or Visually Impaired

1850 West Roosevelt Road  
Chicago, Illinois 60608

312-666-1331 or 800-842-8624 FAX 312-666-1546

[www.chicagolighthouse.org](http://www.chicagolighthouse.org)



## Hanging Instructions

The enclosed hardware is provided for your convenience and will allow the clock to be hung on many walls or load bearing partitions. The hardware is provided specifically for the item supplied. Usage for other items than the article supplied is not recommended and may cause injury to people or the item hung. There may be situations where the supplied hardware cannot and should not be used to mount the clock. It is recommended that a qualified person provide the clock hanging service. The enclosed hardware items are not covered under the limited warranty.

This package includes one (1) pre-gummed hanger and (1) wall hook with nail. Either device will allow mounting in most locations.

The pre-gummed hanger can be utilized for painted plaster, painted plasterboard, painted cement block, or painted cement walls. After the precise location is determined, the paperbacker can be removed, allowing the hook to be affixed to the wall. The hook must be pressed firmly for at least 30 seconds, prior to loading the concealed hanger hole of the clock onto the hook. Care should be exercised to avoid dropping the clock when attaching to the hook.

The wall hook with nail is an alternate fastener to the gummed hanger. The nail can be used on wood or similar dense wall surfaces, hollow walls, or partitions or surfaces where the gummed hanger will not adhere. **Caution!** When driving the nail with a hammer, safety eye shields must be used. The nail should be driven in to allow at least 1/4 inch protrusion to facilitate hanging the clock. The nail should be driven in at a slight downwards angle to avoid jarring of the device off the nail in the future. The nail should be tested by the exertion of slight downward force prior to placing the clock on the wall.



**CHICAGO LIGHTHOUSE**  
SINCE 1906

The Chicago Lighthouse  
1850 West Roosevelt Road  
Chicago, IL 60608  
800/TIC-TOC4 (800/842-8624)  
312/666-1546 (Fax)

## Features

- High Impact plastic body and crystal
- Clear UV treated crystal (guards against yellowing)
- Factory tested for superior accuracy
- 3 year limited warranty
- Includes hanging hardware
- Made in USA

## Wall Clock Instructions:

1. For quartz, insert one "AA" alkaline battery (not included) in directions indicated.
2. Electric clock does not use battery.
3. Turn the set knob in the rear of the clock until the correct time is indicated.

## Limited Warranty

The Chicago Lighthouse ("LIGHTHOUSE") warrants that your LIGHTHOUSE CLOCK will be free from defects in material and for a period of three (3) years from the date of purchase. The warrant only extends to the original consumer purchaser and does not apply to damage from accident, misuse, normal wear, alteration, improper maintenance, or abuse.

Any warranty of merchantability, fitness or other warranty (whether express, implied or statutory) is limited in duration to three years from the date of purchase. At its option, The Chicago Lighthouse will repair or replace a defective product free of charge. To obtain service under the warranty, the products must be mailed postage pre-paid to The Chicago Lighthouse, 1850 West Roosevelt Road, Chicago, Illinois 60608.

In no event shall The Chicago Lighthouse be liable for any consequential damages, losses or expenses. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation on the duration of an implied warrant, so the above limitations or exclusions may not apply to you. The warranty gives you specific legal rights which vary from state to state. Applicable in the USA only.

## Instructions D'Accrochage

Le matériel ci-inclus est fourni à titre de votre convenance et permettra l'accrochage de l'horloge sur de nombreux murs ou de nombreuses cloisons porteuses. Le matériel est fourni précisément pour l'article pourvu. Un emploi pour des articles autres que l'article pourvu n'est pas recommandé et pourrait causer des lésions corporelles ou endommager l'article accroché. Il peut exister des conditions où le matériel fourni ne peut pas et ne devrait pas être utilisé pour fixer l'horloge. Il est recommandé qu'une personne qualifiée fournisse le service d'accrochage de l'horloge. Les articles du matériel ci-inclus ne sont pas garantis sous la garantie limitée.

Y compris dans cet emballage se trouve un (1) support de crochet pré-gommé et un (1) crochet mural avec clou. L'un ou l'autre des dispositifs permettra la fixation sur la plupart des emplacements.

Le support de crochet pré-gommé peut être utilisé sur des murs en plâtre peint, en plaque de plâtre peint, en bloc béton peint ou en ciment peint. Une fois que l'emplacement précis est déterminé, la bande en papier servant de support peut être découpé permettant ainsi l'application du crochet au mur. Le crochet doit être pressé de manière ferme pendant une durée d'au moins 30 secondes avant de poser le trou dissimulé du support de crochet de l'horloge sur le crochet. Prendre soin pour éviter de laisser tomber l'horloge en l'accrochant au crochet.

Le crochet mural avec clou est une attache alternative au support de crochet gommé. Le clou peut être utilisé sur du bois ou des surfaces murales semblables de constitutions solides, des murs creux ou des cloisons ou des surfaces où le support de crochet gommé n'adhérerait pas. Attention! Des protections de sûreté des yeux doivent être portées en enfonçant le clou avec un marteau. Le clou devrait être enfoncé pour permettre une saillie d'au moins d'un quart de pouce (0,635 cm) pour faciliter la pose de l'horloge au crochet. Le clou devrait être enfoncé selon un angle légèrement en aval pour éviter de déplacer le dispositif du clou à l'avenir. Le clou devrait être testé en exerçant une force légèrement en aval avant de poser l'horloge sur le mur.

## Caracteristiques

- Corps et vitre en plastique de haut impact
- Vitre couverte d'un filtre ultraviolet (protège contre le jaunissement)
- Testée en fabrique pour meilleure précision
- 3 ans de garantie limitée
- Dispositif de suspension inclus
- Fabriqué aux Etats-Unis

## Instructions pour horloge Murale

1. Pour quartz, insérez une pile alcaline "AA" (non incluse) dans le sens indiqué.
2. Horloges électriques n'utilisent pas de pile.
3. Tournez le bouton de réglage placé au dos de l'horloge jusqu'à ce que l'heure correcte soit indiquée.

## Garantie Limitée

The Chicago Lighthouse ("LIGHTHOUSE") garantit que votre horloge LIGHTHOUSE n'a pas de défaut matériel et est sous garantie pour une période de trois (3) ans à partir de la date d'achat. La garantie est seulement valable pour l'acheteur original et n'est pas applicable si les dommages sont causés par accident, usage incorrect, usure normale, altération, entretien incorrect ou abus.

Toute garantie de qualité marchande, conformité ou tout autre garantie (explicite, implicite ou statutaire) est limitée à une période de trois ans à partir de la date d'achat. The Chicago Lighthouse remplacera ou réparera, selon son choix, un article défectueux sans aucune charge. Pour bénéficier d'un service dans le cadre de cette garantie, l'article devra être envoyé sous pli postal affranchi à The Chicago Lighthouse 1850 West Roosevelt Road, Chicago, Illinois 60608.

En aucun cas, The Chicago Lighthouse ne sera responsable pour des dommages, pertes ou frais indirects. Certains états n'acceptent pas l'exclusion ou la limitation de dommages fortuits ou indirects, ni la limitation sur la durée d'une garantie implicite. Par conséquent, les limitations ou exclusions mentionnées ci-dessus peuvent ne pas être applicables dans votre cas. La garantie vous donne certains droits légaux qui varient d'un état à un autre. Valable seulement aux Etats-Unis.

## Instrucciones Para Colgar El Reloj

La cerrajería adjunta se provee para su conveniencia y le permitirá colgar el reloj en muchas paredes o una partición de carga. La cerrajería se provee específicamente para el artículo proporcionado. No se recomienda que se use con otros artículos diferentes al provisto ya que pudieran ocurrir daños físicos a personas o al artículo colgado. En ciertas situaciones es posible que la cerrajería provista no se pueda y no se deba usar para montar el reloj. Se recomienda que una persona calificada sea quien cuelgue el reloj. La garantía limitada no cubre los artículos de cerrajería adjuntos.

Este empaque incluye un (1) gancho pre-engomado y (1) base con clavo para paredes. Cualquiera de estos dos mecanismos le permitirá montar el reloj en la mayoría de los lugares.

Se puede utilizar el gancho pre-engomado con yeso, cartones de yeso, bloques de cemento, o muros de cemento pintados. Una vez que defina donde exactamente se ubicará el reloj, remueva el papel de protección y fíjelo en la pared. Antes de montar el hueco oculto del reloj contra la cerrajería de la pared, presione con fuerza el gancho por lo menos durante 30 segundos. Tenga cuidado de no dejar caer el reloj cuando lo esté colgando del gancho.

La base con clavo es una alternativa más rápida que el gancho pre-engomado. Puede utilizar el clavo sobre madera o paredes con superficies de densidad similar, paredes huecas, o particiones o superficies donde el gancho pre-engomado no se pueda pegar. ¡Precaución! Cuando martille el clavo, utilice protección de seguridad para los ojos. Para poder colgar el reloj debidamente, se debe martillar el clavo de forma que éste proyecte de la pared por lo menos un cuarto de pulgada. El clavo debe colocarse en un ángulo un poco inclinado hacia abajo para evitar que en el futuro el reloj se sacuda al descolgarse poco a poco. Antes de colgar el reloj en la pared, compruebe que el clavo se haya martillado correctamente presionando un poco hacia abajo.

## Características:

- Cuerpo y cristal de plástico de alto impacto
- Cristal cubierto con filtro Ultravioleta (protege contra el amarilleo)
- Examinado en fábrica con precisión superior
- 3 años de garantía
- Incluye un soporte colgante
- Fabricado en E.E.U.U

## Instrucciones de uso del reloj de pared

1. Para modelo quartz, inserte una pila alcalina "AA" (no incluida) en la posición indicada.
2. Relojes eléctricos no usar pila.
3. Gire la perilla de ajuste situada en la parte trasera del reloj hasta que éste indique la hora correcta.

## Garantía Limitada

The Chicago Lighthouse ("Lighthouse") le garantiza que se reloj LIGHTHOUSE no tiene ningún defecto físico y que está cubierto bajo esta garantía durante un período de tres (3) años a partir de la fecha de compra. Esta garantía solamente se extiende al comprador consumidor inicial; y no aplicará si los daños fueron causados por accident, us indebido, deterioro normal, alteración, mantenimiento inapropiado o abuso.

Toda garantía de comerciabilidad, aptitud física o cualquier otra garantía (tanto explícita, implícita o estatuatoria) deberá limitarse a no más de tres años a partir de la fecha de compra. The Chicago Lighthouse, a su opción, deberá reparar o reemplazar mercancía defectuosa sin cargo alguno. Para obtener servicio de mantenimiento bajo esta garantía, deberá enviarse la mercancía por correo prepago a The Chicago Lighthouse, 1850 West Roosevelt Road, Chicago, Illinois 60608.

The Chicago Lighthouse no se responsabilizará, en ningún caso, por el daño, pérdida o gasto consecuent. Ciertos estados no permiten la exclusión o limitación de daños incidentales o consecuentes, ni la limitación relativa a la duración de una garantía las limitaciones o exclusiones detalladas anteriormente. Esta garantía relativa a la duración de una garantía implícita, por lo tanto no se aplican las limitaciones o exclusiones detalladas anteriormente. Esta garantía le otorga derechos legales específicos los cuales varían de un estado a otro. Aplicable únicamente en E.E.U.U.