

# TRACEABLE® ANALOG RADIO ATOMIC WALL CLOCK INSTRUCTIONS

## SPECIFICATIONS

Receiver:	Integrated radio receiver for reception of time signal 10kW transmitter WWVB @ 60kHz
Internal Timing:	Quartz Crystal
Accuracy:	1/10,000 of a second when receiving signal
Setting:	Automatically adjusts for daylight saving time, and leaps seconds (earth rotation wobble corrections)
Power:	1 AA Alkaline battery
Size:	12" Diameter x 2" Depth

## OPERATION

The Traceable® Clock contains a pre-tuned internal radio receiver that receives a 60 kHz frequency signal generated by the U.S. Atomic Clock. The U.S. Atomic Clock is located in Boulder Colorado and is operated by NIST (National Institute of Standards and Technology).

Upon installation of the batteries, the unit automatically activates its receiver and initiates signal reception. You may not receive a signal immediately. It may take as long as 72 hours to receive a complete signal from the Atomic Clock. Best reception often occurs between midnight and 4 a.m.

Successful reception of the Atomic Clock signal is dependent upon positioning and location of the unit. Insufficient signal strength or external electrical interference may prevent the unit from receiving a complete signal. Main causes for poor reception are heavily reinforced concrete and steel structures and/or placement of unit close to video or PC monitors. Certain areas of Eastern United States where urban interference or signals from United Kingdom's Atomic Clock may distort or interfere with the signal from U.S. Atomic Clock.

## MANUAL SETTING OF TIME OF DAY

On the back of the clock, above and to the left of the battery, is a black, rectangular button for manual adjustment of the clock. Press and hold the button until the desired time is displayed.

**NOTE:** Any manual changes made will be **automatically overridden** with the next signal reception from the Atomic Clock.

## SELECTING THE TIME ZONE

Note on back of the clock four (4) buttons for user-selectable time zones: Pacific (PT), Mountain (MT), Central (CT), and Eastern (ET). To change the time zone being displayed, press the desired time zone. The clock will immediately adjust the displayed time settings to the selected time zone.

## ALL OPERATIONAL DIFFICULTIES

If this clock does not function properly for any reason, please replace the battery with a new high-quality battery (see "Battery Replacement" section). Low battery power can occasionally cause any number of "apparent" operational difficulties. Replacing the battery with a new fresh battery will solve most difficulties.

## BATTERY REPLACEMENT

The clock battery is located in the back of the unit. Remove the exhausted battery and install a new AA Alkaline battery.

## WARRANTY, SERVICE OR RECALIBRATION

For warranty, service or recalibration contact: