

SPECIFICATIONS

Integrated radio receiver for reception of MSF signal

Temperature Range: -5.0 to 50.0°C
23.0 to 122.0°F

OPERATION

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 2 million years. VT Communications transmit the time signal [MSF 60kHz] continuously from Anthorn, Cambria.

Upon installation of the batteries, the unit automatically activates its receiver.


The unit may not receive a signal immediately. It may take as long as 72 hours to receive a complete signal from the Atomic Clock. The clock will attempt a signal reception for 10 minutes every 3 hours until it successfully receives the signal from the atomic clock. While the unit is attempting to receive a complete signal for the first time, the clock may be set manually (see the "Manual Clock Setting" section). Best reception often occurs between midnight and 4 am.


The successful reception of the Atomic Clock signal is dependent upon the positioning and location of the unit. Insufficient signal strength or external electrical interference may prevent the unit from receiving a complete signal. The main causes for poor reception are heavily reinforced concrete and steel structures and/or placement of the unit close to video or PC monitors. There are certain areas where urban interference or signals from Atomic Clock's in other countries may distort or interfere with the signal from the U.K. Atomic Clock.

MANUAL SIGNAL TRIGGER



Press the SET/WAVE button once to initiate a reception operation.


SELECTING °F/°C AND TIME FORMAT



1. Press and hold the SET/WAVE for 3 seconds, the Daylight Saving (DST) status (On/OFF) and Time Zone will flash.
2. Press the SET/WAVE button four (4) times, the time format (24Hr/12Hr) and temperature will flash on the display.
3. Each press of the  button will change the temperature display mode between °F and °C.

4. Each press of the  button will change the time format mode between AM/PM (12Hr) and 24 hour (24Hr).
5. With the desired temperature unit of measure and time format selected, press the SET/WAVE button to confirm the entry and exit the setting mode.

SIGNAL STRENGTH INDICATOR

 Appearing under  Indicates completed signal reception and synchronization with the Atomic Clock.

 Flashing indicates that the unit is attempting to receive the signal from the Atomic Clock. *If this condition continues for more than 72 hours, the unit should be repositioned for better reception.*

 Not flashing and  not appearing indicates no signal has been received. *If this condition continues for more than 72 hours, the unit should be repositioned for better reception.*

Upon successful reception of the Atomic Clock signal, the unit will perform an automatic update every night at midnight and will make any time adjustments that might be necessary. If this update is not successful, the indicators will disappear and the unit will try to receive the signal again every hour for up to 4 hours. If signal reception is still unsuccessful, the clock will attempt a signal reception for 10 minutes every 3 hours until it successfully receives the signal from the atomic clock.

MANUAL CALENDAR SETTING

1. Press and hold the SET/WAVE for 3 seconds,
2. Press + or - button sequentially to set year.
3. Pressing and holding either + or - button change the year at high speed.
4. Press SET/WAVE SET/WAVE button to confirm year set and go to date set.
5. Press + or - button sequentially to set date.
6. Holding down either + or - button change the date at high speed.

MANUAL TIME SETTING

1. Press SET/WAVE button after calendar set mode.

2. Press + or - button sequentially to set minutes, when the + or - button is pressed once, the seconds count reset to 00.
3. Pressing and holding down either + or - button to change the time at high speed.

TO SET THE FORMAT

1. Press SET/WAVE button after desired time set and go to format set mode.
2. Press + button to toggle between 12hr and 24hr time display format.
3. Press - button to toggle between °C and °F temperature display format.
4. Press SET/WAVE button to confirm and quit the set up mode.

RESETTING UNIT

If the unit doesn't function properly, reset by pressing the RESET button.

PRECAUTIONS

- Avoid exposing the clock to extreme temperatures, water, or severe shock.
- Avoid contact with any corrosive materials such as perfume, alcohol or cleaning agents.
- Do not subject the clock to excessive force, shock, dust, temperatures or humidity. Any of these conditions may shorten the life of the clock.
- Do not tamper with any of the internal components of this clock. This will invalidate the warranty and may cause damage.

BATTERY REPLACEMENT

Erratic readings, faint readings, or no display are all indications that the batteries must be replaced. Remove the battery cover. Remove the exhausted batteries and replace them with a two (2) new AA alkaline batteries. Replace the battery cover. Upon initial installation of the battery, the unit automatically initiates signal reception. (See the "Operation" section for more details.)

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

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Traceable® Products are ISO 9001:2015 Quality-Certified by DNV and ISO/IEC 17025:2017 accredited as a Calibration Laboratory by A2LA.

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