



## Dual Time Zone Atomic Clock With 10-Minute Station ID Timer CK-158RC

For the correct use of the product, please read this instruction manual before using the unit, and keep this instruction manual for future reference.



### TWO YEAR LIMITED WARRANTY

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warranty and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.

### Features

- Dual Clocks Operate Independently
- Shared Time Base Keeps Both Clocks Perfectly Synchronized
- Radio-Controlled for Accurate Timekeeping
- Independent DST, 12/24 Hour Format, and Time Zone Settings
- Dedicated UTC/GMT Time Zone Option
- Built-In 10-Minute Station ID Timer (FCC Compliance)
- Large 1.5" LCD Displays with Soft Backlight
- Shows Hours, Minutes, and Seconds
- Desktop Stand or Wall-Mountable
- Runs on 2 x AA Batteries (Not Included)
- Compact Size: 3.5" H x 6.5" W x 0.75" D

### Introduction

The unit works on receiving the time radio signal from WWVB and is generated by the US Atomic Clock located in Colorado. The Atomic Clock is operated by the US Department of Commerce, National Institute of Standards and Technology.

To enhance good reception, avoid placing the unit near computers, television sets, metal surfaces, or other electric devices as these devices will interfere with the reception of radio signal.

### Battery installation

The RECEIVE SWITCH at the back of the unit will control the atomic clock function. When the RECEIVE SWITCH is placed to ON, the unit will activate the atomic clock function. If the switch is placed to the OFF, the unit will deactivate the atomic clock function and will not adjust the time by itself. Before battery installation, please place the RECEIVE SWITCH at the desired position.

The unit uses two AA batteries. To install the batteries, first lift the easel stand at the back of the unit and slide the battery door downwards to open. Insert the batteries by following the polarity mark and close the battery door. After battery installation press and hold the RESET BUTTON until the display shows full segment at both left and right portion. Now release the RESET BUTTON and the unit is ready for use.

When the battery power is low, the display will become dim or there will be no display. If this is the case, please replace both batteries with new ones.

### Atomic Clock

The CK-158RC will search for time radio signals automatically after batteries are installed if the RECEIVE SWITCH is placed at "ON" position before battery installation. The radio signal marks

on the LOCAL and UTC displays will start pulsing to show the receiving status. If the time signal is received and decoded successfully the time will be updated automatically.

### Remarks:

During signal reception, if the time is set manually, reception will be terminated.

### NOTE:

If the RECEIVE SWITCH is placed to the OFF position, the CK-158RC will not receive the time signal automatically (manual reception is still available).

Since the CK-158RC works on receiving the time radio signal, there may be locations where the signal is weak and cannot be properly received. Under such circumstances, the radio signal mark will disappear to indicate reception failure. Try to rotate the CK-158RC or place it in another location to achieve better reception and re-start reception by pressing the SET BUTTONS once. If finally, radio signal cannot be received, the time of both TIME 1 and TIME 2 should be set manually.

### IMPORTANT NOTE:

Pressing the SET BUTTON of TIME 1 will only start the manual reception of TIME 1. To start the manual reception of both TIME 1 and TIME 2, please press the SET BUTTON of both TIME 1 and TIME 2.

### Select the appropriate time zone

Press the TIME ZONE BUTTON of TIME 1 and TIME 2 to select the appropriate time zone for TIME 1 and TIME 2 respectively. TIME 1 and TIME 2 are designed to be set to different time zones.

TIME 1 is for the display marked LOCAL and TIME 2 is for the display marked UTC. Either can be set to the time zones available to the clock.

### Daylight-saving time adjustment

The CK-158RC will adjust to daylight saving time automatically after successful time signal reception, if the DST SWITCH is placed to the "ON" position. When the time is shown as daylight saving time, the daylight-saving time mark will be shown.

To deactivate this function, place the DST SWITCH to the "OFF" position, and the CK-158RC will not be adjusted to daylight saving time automatically.

### Note:

Please place the DST SWITCH of both TIME 1 and TIME 2 to the appropriate position.

### 12-Hour and 24-Hour display format

Place the 12H-24H SWITCH of TIME 1 and TIME 2 to select the display format of the time of TIME 1 and TIME 2 respectively (TIME 1 and TIME 2 can be set to a different display format).

### Set the time manually

To set the time of TIME 1:

Press and hold the SET BUTTON of TIME 1 for about 2 seconds. The time digit will start to flash.

Press the UP or DOWN BUTTON of TIME 1 to set the time. Each push of the UP or DOWN BUTTON will advance the minute by one, while the hour will be updated when "00" minute is run through. Press and hold the UP or DOWN BUTTON and the digits will advance quickly.

After setting, press the SET BUTTON once to end the setting mode. The unit will also quit the setting mode automatically after the unit is idle for about 30 seconds.

To set the time of TIME 2:

Press and hold the SET BUTTON of TIME 2 for about 2 seconds. The time digit will start to flash.

The setting method is the same as TIME 1.

### Using the backlight

At any time push the LIGHT BUTTON and the display will glow for about 4 seconds.

### Timer

The countdown duration is 9.5 minutes, fixed and cannot be set.

Press the ID TIMER BUTTON and the timer will start counting down. The LED indicator at the front of the unit will light up to indicate that countdown is in progress. When countdown to zero, the buzzer will sound for 3 seconds, and the LED indicator will keep flashing for 1 minute.

### Note:

1. At any time (even in the middle of a countdown), press the ID TIMER BUTTON and the timer will start over to countdown from the beginning.
2. During countdown, press and hold the ID TIMER BUTTON for about 3 seconds, and the countdown will be stopped.
3. The Timer will automatically set to OFF after each ID Timer Cycle. The Timer will stay off until the Timer button is pressed, and then the new Timer Cycle starts over again.