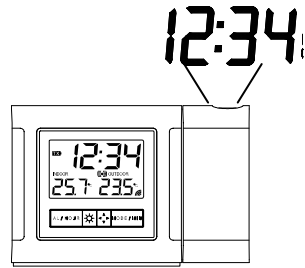


**WT521IT
915 MHz
Projection Alarm Clock**

Instruction Manual



PROJECTION ALARM CLOCK
Model WT521IT
Instruction Manual

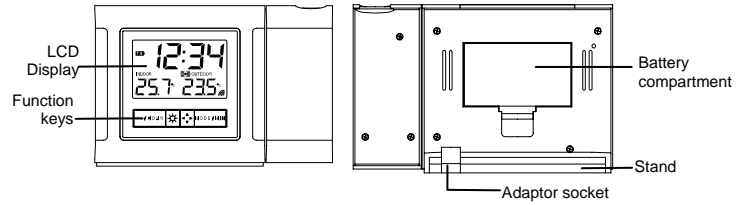
INTRODUCTION:

Congratulations on purchasing this compact 915 MHz Projection Alarm Clock which displays time, indoor temperature and outdoor temperature readings. With only four keys, easy to use, this product is ideal for use in the home or office.

« Instant Transmission+ » is the up and coming state-of-the-art new wireless transmission technology, exclusively designed and developed by LA CROSSE TECHNOLOGY.
"IT +" offers you an immediate update of all your outdoor data measured from the transmitters: follow your climatic variations in real-time!



PROJECTION ALARM CLOCK

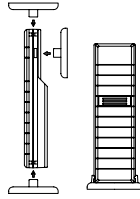


FEATURES

- Manual setting option
- 12/24 hours time display (hour, minutes, seconds)
- Time projection (hour and minute)
- Projection with adjustable brightness and projection orientation possible
- Calendar display
- Alarm setting with snooze function
- Time zone setting ± 12 hours
- Temperature display in $^{\circ}\text{C}$ or $^{\circ}\text{F}$
- Indoor and outdoor temperature display

E.L. back-light
Wireless transmission at 915 MHz
Signal reception intervals at 4 seconds
Low battery indicator

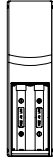
TEMPERATURE TRANSMITTER:



Remote transmission of outdoor temperature to weather station
by 915 MHz signal
Wall mounting case
Mount in a sheltered place. Avoid direct rain and sunshine

TO INSTALL AND REPLACE BATTERIES IN THE TEMPERATURE TRANSMITTER

The Temperature Transmitter uses 2 x AA, IEC, LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below:



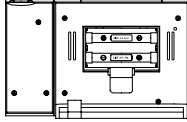
1. Remove the cover.
2. Insert the batteries, observing the correct polarity (see marking).
3. Replace the battery cover on the unit.

Note:

In the event of changing batteries in any of the units, all units need to be reset by following the setting up procedures. This is because a random security code is assigned by the transmitter at start-up and this code must be received and stored by the Projection alarm clock in the first three minutes of power being supplied to it.

TO INSTALL AND REPLACE BATTERIES INTO THE PROJECTION CLOCK

The Projection Clock uses 2 x AA, IEC LR6, 1.5V batteries. To install and replace the batteries, please follow the steps below:

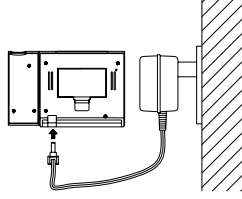


1. Insert finger or other solid object in the space at the bottom centre of the battery compartment and lift up to remove the cover.
2. Insert batteries observing the correct polarity (see marking).

3. Replace compartment cover.

In addition or instead of inserting batteries, the AC adaptor can be used:

1. Connect the power adaptor to a wall socket
2. Insert the adaptor into the jack at the bottom of the clock



Important!

Use only the adaptor provided with the projection clock and make sure that your household voltage is appropriate to the working voltage of the transformer. Otherwise your Projection clock may be damaged.

POWER SUPPLIED BY BATTERIES AND AC/DC ADAPTOR

If the Projection clock is first powered by batteries and the power adaptor is subsequently used for extended period of time, the main power source of the Projection clock will switch to AC/DC power. The batteries will then act as a backup power source in case of power failure.

SETTING UP

The Projection clock can be battery operated or powered by the provided AC/DC adaptor.

1. First, insert 2 x AA, IEC LR6, 1.5V batteries into the transmitter.
2. Within 1 minute of activating the remote transmitter, insert 2 x AA, IEC LR6, 1.5V batteries into the projection clock (or use the A/C adaptor to power up). Once the batteries are in place, all segments of the LCD will light up briefly. Then the indoor temperature, the time as 12:00, will be displayed. If the indoor temperature is not displayed after a few seconds, remove the batteries and wait for at least 30 seconds before reinserting them. Once the indoor data is displayed proceed to step 3.
3. After a few seconds of inserting the batteries into the transmitter, the projection clock will start receiving data from the transmitter. The remote temperature will then be displayed on the clock. If this does not happen after 2 minutes, the batteries will need to be removed from both units and reset from step 1.
4. In order to ensure sufficient 915 MHz transmission however, the distance between the Projection clock and the transmitter should not be more than 100 metres (330 feet) (see notes on "**Positioning**" and "**915 MHz Reception**").

Note:

Should the total time of inserting the batteries into the transmitter take longer than 1-1/2 minutes from the time of inserting the batteries into the projection clock then temperature

reception problems may occur. If the temperature is not being received, then see "**915MHZ RECEPTION**", before resetting the units.

In the event of changing batteries to the transmitter, the projection clock needs to be reset. (See **RESETTING THE PROJECTION CLOCK**)

5. Press the SET key to manually enter a time initially.

RESETTING THE PROJECTION CLOCK

To reset the Projection clock to the factory default setting or in case of a malfunction or changing batteries to transmitter, please remove all batteries from the unit and unplug the AC/DC adaptor from any power source. With power disconnected, press any button 20 times. Wait at least for 3 minutes before powering up the Projection clock again.

BATTERY CHANGE:

It is recommended to replace the batteries in all units regularly to ensure optimum accuracy of these units (Battery life See **Specifications** below).



Please participate in the preservation of the environment. Return used batteries to an authorized depot.


PROJECTION OF TIME / OUTDOOR TEMPERATURE

Note:



The projection is a red light, not harmful under normal usage, yet care should be taken to **avoid looking directly into the light.**

1. When plugged into an AC outlet, the projection alarm can continuously project the time and the outdoor temperature
2. When operating on batteries alone, the projection alarm will only project when the SNOOZE button is pressed or the alarm is sounding.
3. The projection will auto-focus for display from about 1.7 to 2.0 metres (5.5 to 6.5 feet) away. A dark surrounding will be necessary to clearly see the projection.

The direction of the display can also be rotated 360° in 90° increments by pressing the

Projection Direction  button. The projector case can be rotated 180° to further help orient the projected display.

Note:

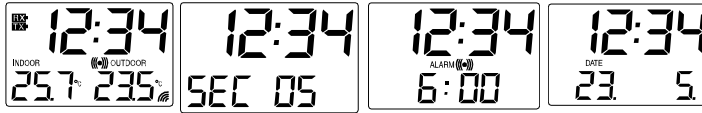
If the Projection clock is powered through the adaptor, the projection will be constantly ON at the highest brightness level unless the brightness level is manually changed to a lower brightness level afterwards. And the brightness of the projection can be change accordingly to enhance the clarity of the projected time by pressing the  key. Press and release the  key slowly to also turn off.

If the Projection clock is battery operated, the projection will be ON at the highest brightness level only when the SNOOZE key is pressed. The intensity of the brightness level of the projection cannot be changed. If the SNOOZE is released, the projection will be turned OFF.

TOGGLE BETWEEN THE DISPLAY OF TEMPERATURES, SECONDS, PRESET ALARM TIME AND CALENDAR

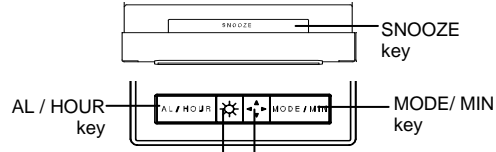
With a short press of the MODE/MIN key, you will toggle between the following displays:

1. Indoor and outdoor temperature
2. Seconds
3. Preset alarm time
4. Day and Month



FUNCTION KEYS

There are 4 function keys located on the front of the projection alarm and one on the top. The function keys are: AL/HOUR, MODE/MIN, Projection Direction, Brightness, and SNOOZE.



SNOOZE key: Brightness key Projection Direction key
Activate snooze function
Activate the projection brightness at the highest level when battery operated or projection is turned off
Exit the setting modes
E.L.Back-light-On

AL/HR key:
Enter alarm setting mode
Activate or deactivate alarm
Stop alarm and snooze function

Set the hours, day or month (depending on 12/24 hour time format)
E.L.Back-light-On

MODE/MIN key:

Enter time zone, manual time, year, day, month, 12/24 hour time display, °C / °F
temperature format, DST ON/OFF setting modes

Set the minutes, year, day or month (depending on 12/24 hour time format), 12/24 hour
time format, °C / °F temperature format, DST ON/OFF

Toggle between temperatures, seconds, alarm time, and date display

Stop alarm and snooze function

E.L.Back-light-On

 **Brightness key**

Set the brightness level of the projection (in A/C power mode):4 levels: High, Medium,
Low, OFF

E.L.Back-light On

 **Projection Direction key**

Press to rotate the time/ outdoor temperature projection image in 90 increments

Press to activate the EL back-light

MANUAL SETTINGS:

The following manual settings can be changed when pressing the MODE/MIN key for:

- Time zone setting
- Manual time setting
- Calendar setting
- 12/24-Hour setting
- °C/°F setting
- DST ON/OFF (daylight saving time)

TIME ZONE SETTING

The time zone default of the Projection clock is "-5h". To set a different time zone:



1. Press and hold the MODE/MIN key for about 3 seconds. The current time zone value at the bottom of the LCD display starts flashing.
2. Press and release MODE/MIN key to adjust the time zone. The range runs from 0h to 12h, then -12h to 0h, in consecutive 1-hour intervals.
3. Confirm with the SNOOZE key and enter the **Manual time setting**.

MANUAL TIME SETTING

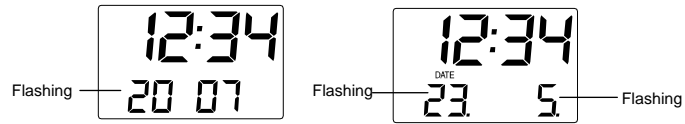
The time can be manually set. The clock works as a normal Quartz clock.



1. The hour and the minute digits will start flashing.
2. Use the AL/HOUR key to set the hour; MODE/MIN key to set the minute.
3. Confirm with the SNOOZE key and enter the **Calendar setting**.

CALENDAR SETTING

The date default of the Projection clock is 1. 1. in the year 2006. The date can be set manually.



1. The year starts flashing.
2. Use the MODE/MIN key to set the year (between year 2001 to 2029).
3. Press the SNOOZE key to confirm and to enter the month and day setting. The month and day digits will start flashing.
4. Use the AL/HOUR key to set the day (or month) and MODE/MIN key to set the month (or day).
5. Confirm with the SNOOZE key and enter the **12/24 hour time display setting**.

Note:

If 12hr time format is selected, month and date will be displayed.

If 24hr time format is selected, date and month will be displayed.

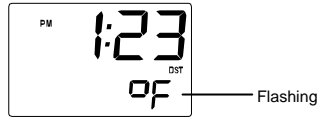
12/24 HOUR TIME DISPLAY SETTING



1. "12h" or "24h" flashes in the LCD.
2. Press the MODE/MIN key to select the "12h" or "24h" display mode.
3. Confirm with the SNOOZE key and enter the **°C/°F temperature setting**.

°C/°F TEMPERATURE SETTING:

The default temperature reading is set to °F (degree Fahrenheit). To select °C (degree Celsius):



1. The "°F" will be flashing.

2. Use the MODE/MIN key to toggle between “°C” and “°F”.
3. Confirm with the SNOOZE key and enter the **DST ON/OFF setting**.

DST ON/OFF SETTING (DAYLIGHT SAVING TIME):

Note: This facility is not available in Australia and New Zealand.

ALARM

SETTING THE ALARM



1. Press and hold “AL/HOUR” button for about three seconds until the alarm time is flashing.
2. Press and release “AL/HOUR” to advance the hour, and “MODE/MIN” to advance the minute.
3. Press the SNOOZE key to confirm. The alarm is now set and activated.

ACTIVATING / DEACTIVATING THE ALARM

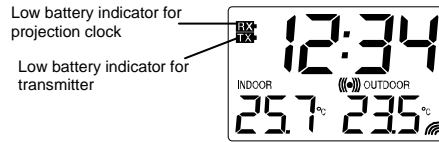
1. After entering the alarm setting mode, the alarm is activated.
2. To toggle between activating and deactivating the alarm, press the "AL/HOUR" button briefly. Alarm-on icon, "(((•)))" will be displayed next to the time display when the alarm is activated.

TURNING ALARM OFF (WHILE SOUNDING)

1. While the alarm is sounding, press and release the SNOOZE bar to disable the alarm for 6 minutes. (After the SNOOZE bar is pressed, the alarm icon will keep flashing. After 6 minutes, the alarm will sound again.)
2. To disable the alarm, press and release the AL/HOUR or MODE/MIN button.

LOW BATTERY INDICATOR

Low battery indicator is displayed on the LCD when the batteries require changing.



TEMPERATURE TRANSMITTER

The outdoor temperature is measured and transmitted every 4 seconds.
The range of the Temperature transmitter may be affected by the temperature. At cold temperatures the transmitting distance may be decreased. Please bear this in mind when placing the transmitter.

915MHz RECEPTION

If the outdoor temperature data is not being received within three minutes after setting up (or outdoor display always show "-. -." in the outdoor section of the Projection alarm clock during normal operation), please check the following points:

1. The distance of the Projection alarm clock or transmitter should be at least 2 metres (6 feet) away from any interfering sources such as computer monitors or TV sets.
2. Avoid placing the transmitter onto or in the immediate proximity of metal window frames.
3. Using other electrical products such as headphones or speakers operating on the 915MHz-signal frequency may prevent correct signal transmission or reception. Neighbours using electrical devices operating on the 915MHz-signal frequency can also cause interferences.

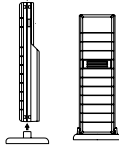
Note:

When the 915MHz signal is received correctly, do not re-open the battery cover of either the transmitter or Projection alarm clock, as the batteries may spring free from the contacts and

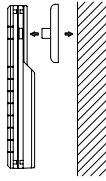
force a false reset. Should this happen accidentally then reset all units (see **“Setting up”** above) otherwise transmission problems may occur.

The transmission range is around 100 metres (330 feet) from the Temperature transmitter to the projection alarm clock (in open space). However, this depends on the surrounding environment and interference levels. If no reception is possible despite the observation of these factors, all system units have to be reset (see **“Setting up”** above).

POSITIONING THE OUTDOOR TEMPERATURE TRANSMITTER



The transmitter is supplied with a holder that may be attached to a wall with the two screws supplied. The transmitter can also be positioned on a flat surface by securing the stand to the bottom of the transmitter.



To wall mount:

1. Secure the bracket onto a desired wall using the screws and plastic anchors.
2. Clip the transmitter onto the bracket.

Note:

Before permanently fixing the transmitter wall base, place all units in the desired locations to check that the outdoor temperature readings are receivable. In event that the signal is not received, relocate the transmitter or move slightly as this may help the signal reception.

The mounting surface can, however, affect the transmission range. If for example the unit is attached to a piece of metal, it may then either reduce or increase the transmitting range. For this reason, we recommend not placing the unit on any metal surfaces or in any position where a large metal or highly polished surface is in the immediate proximity (garage doors, double-glazing, etc.). Please ensure that the Projection alarm clock can receive the 915 MHz signal from the outdoor transmitter at the position that you wish to situate them.

CARE AND MAINTENANCE:

Extreme temperatures, vibration and shock should be avoided as these may cause damage to the unit and give inaccurate forecasts and readings.

Precautions shall be taken when handling the batteries. Injuries, burns, or property damage may be resulted if the batteries are in contact with conducting materials, heat, corrosive materials or explosives. The batteries shall be taken out from the unit before the product is to be stored for a long period of time.

Immediately remove all low powered batteries to avoid leakage and damage. Replace only with new batteries of the recommended type.

When cleaning the display and casings, use a soft damp cloth only. Do not use solvents or scouring agents as they may mark the LCD and casings.

Do not submerge the unit in water.

Special care shall be taken when handling a damaged LCD display. The liquid crystals can be harmful to user's health.

Do not make any repair attempts to the unit. Return them to their original point of purchase for repair by a qualified engineer. Opening and tampering with the unit may invalidate their guarantee.

Never touch the exposed electronic circuit of the device as there is a danger of electric shock should it become exposed.

Do not expose the units to extreme and sudden temperature changes, this may lead to rapid changes in forecasts and readings and thereby reduce their accuracy.

LIABILITY DISCLAIMER:

Please ensure that all discarded packaging and unwanted electrical items are discarded in a correct and responsible manner. All recyclable material should be deposited at relevant recyclable waste collection points.

As stated on the gift box and labelled on the product, reading the "User manual" is highly recommended for the benefit of the user. This product must however not be thrown in general rubbish collection points.

The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place. This product is designed for use in the home only as indication of the temperature and other weather data.

This product is not to be used for medical purposes or for public information.

The specifications of this product may change without prior notice.

This product is not a toy. Keep out of the reach of children.

No part of this manual may be reproduced without written authorization of the manufacturer.

This product is guaranteed for the period of 12 months from date of purchase against failure to operate correctly to its listed specifications due to any manufacturing defects.

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