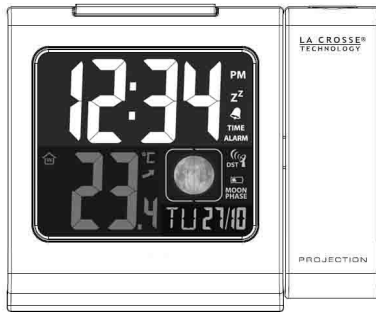# LA CROSSE®
TECHNOLOGY

USB Charging Radio-Controlled Projection Alarm Clock with Temperature and Moon Phase

INTRODUCTION:
The Projection Alarm Clock features radio-controlled time, indoor temperature and moon phase on a stylish, colorful, and easy to read display. Time and/or indoor temperature can be projected on a wall or ceiling. Use the integrated USB charging port to charge your smartphone, camera or other devices when the Projection Alarm Clock is plugged into a power outlet.

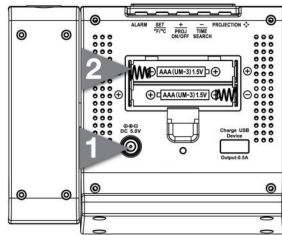### RADIO-CONTROLLED PROJECTION ALARM CLOCK:

SETUP INSTRUCTIONS STEP BY STEP:

STEP 1:
- Insert the 5 volt AC power adapter into the designated area (1) on the back of the Projection Alarm Clock.
- Insert the power adapter plug into a wall outlet for a continuous backlight.
- The Projection Alarm Clock will light up and display, indoor temperature and time (12:00).
- **IMPORTANT:** When operating on A/C power, to avoid interference, the backlight, projection and USB charge port, will turn off while the Projection Alarm Clock searches for the DCF signal. The backlight, projection and USB charge port will function again after the 2-10 minutes search.

STEP 2:
- When backup batteries are desired.
- Remove battery cover from Projection Alarm Clock, slide tab up and pull out to remove the cover.
- Insert 2 new AAA batteries (not included) into the back of the Projection Alarm Clock (2). Observe the correct polarity (see marking inside the battery compartment).
- **Do Not Mix Old and New Batteries**
- **Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries**

TROUBLESHOOTING:
- If the Projection Alarm Clock does not display the indoor temperature after 30 seconds remove the A/C power adapter and start the setup process again.

DCF RADIO CONTROLLED TIME
The time base for the radio controlled time is a Cesium Atomic Clock operated by the Physikalisch Technische Bundesanstalt Braunschweig which has a time deviation of less than one second in one million years. The time is coded and transmitted from Mainflingen near Frankfurt via frequency signal DCF-77 (77.5 kHz) and has a transmitting range of approximately 1,500 km. Your radio-controlled Projection Clock receives this signal and converts it to show the precise time in summer or wintertime. The quality of the reception depends greatly on the geographic location. In normal cases, there should be no reception problems within a 1,500km radius around Frankfurt.

DCF RECEPTION ICON with full signal strength will appear on screen if the reception of DCF signal is successful. If the unit received DST (summer time) signal, it will display DST icon.
- The tower icon is solid when the Projection Alarm Clock has received the DCF signal.
- The tower icon will flash when searching for a signal.
- No tower icon displayed. The Projection Alarm Clock was unable to receive a signal at this time.
- Reposition the Projection Alarm Clock for better signal reception or try again at bedtime.
- Hold the -/TIME SEARCH button to force a signal search at night when reception is best.
- The Projection Alarm Clock will start searching at GMT: 01:00 and if no reception on the first attempt it will try again at 02:00, 03:00, 04:00 and 05:00. Each attempt will be at least 2 minutes and the most will be 10 min.
- If there is no signal or too much interference the receiver will only be on for 2 minutes.
- If the signal is good it may catch a signal in ABOUT 2-3 minutes. If the signal is marginal it will try to catch a signal for up to 10 minutes.
- **IMPORTANT:** When operating on A/C power, to avoid interference, the backlight, projection and USB charge port, will turn off while the Projection Alarm Clock searches for the DCF signal. The backlight, projection and USB charge port will function again after the 2-10 minute search which occurs during the late night or early morning hours.

Note: In case the Projection Alarm Clock is not able to detect the DCF signal (disturbances, transmitting distance, etc.), the time can be manually set using the program menu.

Note: In normal display mode, press -/TIME SEARCH button to ON/OFF time searching (DCF).

BUTTON FUNCTIONS:

Button	Press and Release Functions	Hold 3 seconds
SET/°F/°C	Move through program menu (setup) Select temperature in °F/°C	Enter program menu, Set time, date, etc. (setup)
ALARM	**Once:** View Alarm **Twice:** Activate or Deactivate Alarm	Alarm set
+/PROJ ON/OFF	1 step forward (setup)	Fast advance (setup) Turn Projection ON/OFF
-/TIME SEARCH	1 step backward (setup)	Fast backward (setup) DCF Search
PROJECTION	Rotate Projection 90 degrees	Change what is projected: Time/Indoor Temp alternating (default) **Once:** Time only **Twice:** Indoor Temp only **Third time:** Time/Outdoor Temp alternating (default)
SNOOZE/LIGHT HI/LOW/OFF	**Once:** Backlight high (A/C) **Twice:** Backlight low (A/C) **3rd time:** Backlight OFF (A/C) **Activate** backlight/projection 10 seconds (battery power) **Trigger snooze** (alarm active)	

PROGRAM MENU:

The SET/°F/°C button will move through the program menu. The +/PROJ ON/OFF or -/TIME SEARCH buttons will change a value.
- **TIME ZONE:** 0H will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to set the desired time zone (setting range is 0~+12,0~-12). Confirm with the SET/°F/°C button and move to the next item.
- **LANGUAGE:** FR will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select the desire language: GE, IT, NE, ES, DA, EN. Confirm with the SET/°F/°C button and move to the next item.
- **12/24 HOUR TIME:** 12Hr or 24Hr will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select 24Hr or 12Hr. Confirm with the SET/°F/°C button and move to the next item.
- **HOUR:** The hour will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select the correct hour. Confirm with the SET/°F/°C button and move to the next item.
- **MINUTES:** The minutes will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select the correct minutes. Confirm with the SET/°F/°C button and move to the next item.
- **YEAR:** The year will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select the correct year. Confirm with the SET/°F/°C button and move to the next item.
- **MONTH:** The month will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select the correct month. Confirm with the SET/°F/°C button and move to the next item.
- **DATE:** The date will flash. Press and release the +/PROJ ON/OFF or -/TIME SEARCH button to select the correct date. Confirm with the SET/°F/°C button and exit the program menu.
- **Note:** The Day of the Week will set automatically after the year, month and date are set.
- If no buttons are pressed in a 20 seconds period, set mode will time out and return to live display mode, reflecting whatever adjustments were made by user before timed out.

FAHRENHEIT/CELSIUS: Press and release the SET/°F/°C button to select temperature readings in Fahrenheit or Celsius.

SNOOZE/LIGHT/HI-LOW-OFF

ALARM SET:

- **ALARM HOUR:** Hold the ALARM button to enter alarm time setting mode. The alarm hour will flash. Use the +/PROJ ON/OFF or -/TIME SEARCH button to set the hour. Press and release the ALARM button.
- **ALARM MINUTE:** The alarm minutes will flash. Use the +/PROJ ON/OFF or -/TIME SEARCH button to set the minutes. Press and release the ALARM button to exit.

ALARM ACTIVATION: ALARM ICON
- Press and release the ALARM button once to show alarm time.
- With the alarm time showing, press and release the ALARM button to activate the alarm. The alarm icon appears when alarm is active.
- With the alarm time showing, press and release the ALARM button to deactivate the alarm. The alarm icon will disappear when alarm is inactive.
- **Note:** Alarm is crescendo sound. When the alarm sounds, it continues for 2 minute and then shuts off completely.

SNOOZE:
- When the alarm sounds, press the SNOOZE button to trigger snooze alarm for 9 minutes. The snooze icon **Zz** will flash when the snooze feature is active.
- To stop alarm for one day, press ALARM button, while in snooze mode. The alarm icon will remain solid.

PROJECTION:

Battery Power: Press and release the SNOOZE/LIGHT button to show the projection for 10 seconds.
Note: Projection will not display constantly when operating on battery power.

A/C Power: Projection is displayed constantly unless turned off.
- **OFF**: Hold the +/PROJ ON/OFF button to turn the projection OFF while operating on A/C power.
- **ON**: Hold the +/PROJ ON/OFF button to turn the projection ON while operating on A/C power.
- **Rotate Projection:** Press and release the PROJECTION button to rotate projection image 90 degrees. Press and release the PROJECTION button again to rotate another 90 degrees.
- **Change Projection Mode:** Hold, then release the PROJECTION button to switch projection modes. Watch the projection image to view the changes.

  o **Time and Indoor Temperature:** alternate every 5 seconds (default)
  o **Time**: Hold and release PROJECTION button
  o **Outdoor Temperature**: Hold and release PROJECTION button again

BACKLIGHT INTENSITY: Press and release the SNOOZE/LIGHT button to adjust the brightness of the backlight:

A/C Power: the backlight is displayed constantly unless turned off.
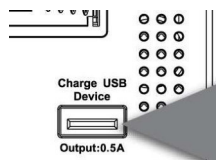- **ON High intensity:** The backlight is defaulted to HI when the adapter is in use.
- **ON Low intensity:** Press and release SNOOZE/LIGHT button once
- **OFF**: Press and release SNOOZE/LIGHT button
- **ON**: Press and release SNOOZE/LIGHT button again
- **Note:** When the adapter is NOT in use, the High/Low/On/Off features are not available.
Battery Power: Press the SNOOZE/LIGHT button to display the backlight for 10 seconds.

USB CHARGE PORT:
The integrated USB charging port (on back) will charge your smart phone, camera or other devices when the Projection Alarm Clock is plugged into a power outlet.
Note: This is a power output (charging) port only. This port will not supply power to the Projection Alarm Clock.

Charge USB Device

Output:0.5A

- Connect your existing USB charging cord for your external device to the USB charging port on the back of the Projection Alarm Clock to begin to charge. Charging times will vary.
- **Note: Check that your device will charge with the USB cord it came with.** *Many USB cords are for data transfer only, and cannot be used for charging.*
- **Output**: 0.5A maximum current USB.

- Do NOT overload USB port.

IMPORTANT: When operating on A/C power, the backlight, projection and USB charging port will turn off while the Projection Alarm Clock searches for the DCF signal, to avoid interference. The backlight and projection will return after the 2-10 minute search (which occurs during the late night or early morning hours). Then the USB charging port will resume working.
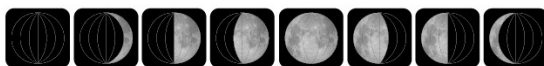
TEMPERATURE TREND ICONS:
The indoor temperature trend indicators are updated every 30 minutes. These trends arrows represent temperature changes over the past three hours.

Temperature rising more than 2°F /1°C in the past three hours
Temperature has not changed more than 2°F /1°C in the past three hours
Temperature falling more than 2°F /1°C in the past three hours

The temperature trend indicators are shown next to the indoor temperature readings.

MOON PHASE:
The moon phase is based on the year, month and date set (manually or by the DCF signal).

NEW WAXING CRESCENT FIRST QUARTER WAXING GIBBOUS FULL WAXING GIBBOUS LAST QUARTER WANING CRESCENT

LOW BATTERY:
- When this icon appears replace the batteries and/or check the A/C adapter of the Projection Alarm Clock.

CARE AND MAINTENANCE:
- **Do Not Mix Old and New Batteries**
- **Do Not Mix Alkaline, Standard, Lithium or Rechargeable Batteries**
- Do not expose the Projection Alarm Clock to extreme temperatures, vibration or shock.
- Keep Projection Alarm Clock dry.
- Clean the Projection Alarm Clock with a soft damp cloth. Do not use solvents or scouring agents.
- Improper use or unauthorized opening of housing will void the warranty.
- If the Projection Alarm Clock does not work properly, change the batteries and/or check the a/c cord connection.

SPECIFICATIONS:
Indoor:

Temperature Range:	From 0°C to 50°C (from +32°F to +122°F)
Accuracy:	+/- 1°C (2°F)
Resolution :	0.1°

Power:

	5-volt a/c power adapter (included)
	Optional 2-AAA, IEC, LR3 batteries (not included)

Battery Life: Over 12 months

USB Output: 0.5 Amp maximum current

Dimensions: 133 x 50 x 110 mm (5.23" L x 1.96" W x 4.33" H)

LIABILITY DISCLAIMER

- The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.
- Please contact your local or/and regional authorities to retrieve the addresses of legal dumping grounds with selective collection.
- All electronic instruments must from now on be recycled. User shall take an active part in the reuse, recycling and recovery of the electrical and electronic waste.
- The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.
- As stated on the gift box and labeled 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.
- 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.

R&TTE Directive 1999/5/EC:
Summary of the Declaration of Conformity : We hereby declare that this wireless transmission device does comply with the essential requirements of R&TTE Directive 1999/5/EC**.**