

Instruction Manual

Nomad LED Compass

SINCE
1893



WENGER[®]

MAKER OF THE GENUINE SWISS ARMY KNIFE™

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Crafted For Life

Delémont, Switzerland 1893

Over a century ago, Wenger built a factory in this tiny Swiss village and transformed it into production headquarters for the Genuine Swiss Army Knife™ still used by the Swiss Army today. As it was 100 years ago, each tool, implement and knife manufactured by Wenger is crafted by hand in solid stainless steel and each individually inspected for quality and craftsmanship. This same attention to detail has been applied to genuine Wenger watches. Wenger watches are Swiss-designed, -engineered and -crafted with only the most accurate Swiss movement available. Each watch is constructed with form and function that last a lifetime. As with the genuine Swiss Army knife, Wenger watches are durable, high quality, and versatile enough for use on any occasion. Wenger watches are engineered to provide the same resourcefulness as the genuine Swiss Army knife, supplying functionality beyond the everyday.

Wenger Watch Components

Movements – Swiss mechanism.

Case Body – All stainless steel for quality and durability.

Water-Resistant – To 100m (330').

Straps/Bracelets – Stainless steel bracelets featuring dive buckles and safety clasps. Straps are offered in genuine calfskin leather, specially treated rubberized leather, water-resistant rubber or nylon, or other high-quality materials.

Luminous Markers – Hands, markers, and numerals may be overlaid with Super Luminova®, a luminous material which recharges in seconds when exposed to direct sunlight for improved, extended nighttime visibility.

Crystals – The crystal is the clear surface which covers the watch dial.

Crowns – Crowns are stainless steel knobs on the sides of the case body used to set the date and time or rotate the internal bezel.

General Features and Components



Compass Button

- To select Compass Mode.
- To calibrate compass.

Day Button

- To select “Day of Week” display.

Time Button

- To display digital time in hour-minute or seconds.
- To enter the Time Setting Mode.

Date Button

- To select “Date and Month” display.

Setting the Analog Watch

1. To set the analog time, gently pull out the crown to Position 2.
2. Second hand will stop and digital time will flash.
3. Rotate crown so the watch hands move clockwise to the correct time.

Second Hand Alignment

To synchronize the digital with analog seconds, push in the crown to return it to Position 1 at correct moment.

Important note:

If the analog “second” and the digital “second” are not synchronized, the digital setting may not function properly.

Position 1 (fully depressed)



Position 2 (1 click out)



Setting the Digital Time and Calendar

1. Hold down the Time Button until the digital seconds flash.
2. Press the Compass Button to scroll through minutes, hours, year, month and date as well as date format (both month and date flashing), time format (12 hour to 24 hour) and seconds.
3. Use the Day Button to increase to the desired value. Hold it down to quickly increase the value.
4. Press the Date Button to return to the previous display.

Date Display

1. Press the Date Button to switch on the Date display.
2. The display will show for 2 seconds, and will turn off automatically.

Note: The date format (Month-Date or Date-Month) can be set in the “Setting the Digital Time and Calendar”.

Day of the Week Display

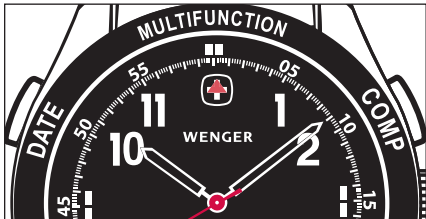
1. Press the Day Button to switch on the Day of the Week display.
2. The display will show for 2 seconds, and will turn off automatically.

Precautions and Tips for Using Compass

1. Keep the watch away from any magnets or appliances that contain magnets or generate magnetic fields such as mobile phones, speakers, motors, etc.
2. This watch points to the magnetic north, which is slightly different from true north. Check the “What is Magnetic Declination” section on p.12 for more details.
3. Perform compass calibration (see p.10) frequently, or under the following conditions:
 - First time using the compass
 - When the measuring result is suspected to be incorrect
 - When the battery has been replaced
 - When the watch is in a different location from where it was previously calibrated.

Compass Display

1. Press the Compass Button to switch on the compass display.
2. The compass bearing in degrees and an arrow indicator under the Wenger cross will display.
3. The display will show for 30 seconds, and turn off automatically.



Calibrating the Compass

1. See “Magnetic Declination by Major City” section to determine declination angle and refer to p.12-14.
2. Hold down the Compass Button for 3 seconds to select setting display.
3. When the “CAL” is displayed, keep the watch parallel to the horizon, and steadily rotate the watch clockwise two full rotations (the indicators will move in a clockwise direction automatically).
4. After the two rotations, the first step of the calibration is complete.
5. While the indicators are still moving, press the Compass Button to set the Magnetic Declination.
6. Use the Day Button to increase the setting (from -90 to 90) until the desired setting appears.
7. When complete, press the Date Button to return to the previous setting.

Taking a Compass Measurement

1. The watch must be parallel with the horizon for accurate reading.
2. Point the Wenger cross toward the object or direction you intend to go and press the Compass Button.
3. The compass bearing of the target will show in degrees:

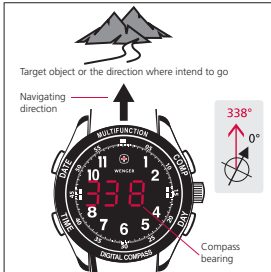
0° = North

90° = East

180° = South

270° = West.

Note: For more information about using a compass, there are many resources available on the internet.



Compass Bearing vs. Compass Direction

Compass Bearing – the horizontal direction of an object as measured by the observer in degrees.

Compass Direction – the path given by a compass using the four cardinal points including North, South, East & West.

Visit: http://geology.isu.edu/geostac/Field_Exercise/topomaps/bearing.htm for more information.

What is Magnetic Declination?

- The Magnetic North Pole is slightly different from the True North Pole. This watch points to the Magnetic North Pole.
- The angular difference between the Magnetic North Pole and the True North Pole is called Magnetic Declination. The amount (degrees and minutes) and direction (easterly and westerly) depends on where you are in the world.

- For serious compass users or people who intend to perform accurate navigation, the compass must be adjusted to include the magnetic declination. This watch includes a compensation setting for Magnetic Declination. See the “Calibrating the Compass” section on p.10.

Magnetic Declination Information

- Most topographic maps show a magnetic north pole and/or the magnetic declination information. See the “Magnetic Declination at Major Cities” section on p.15-19.
- For those cities whose names are not included in the list, enter the cities latitude and longitude into one of the below magnetic declination calculator websites:
 - http://gsc.nrcan.gc.ca/geomag/index_e.php
 - <http://www.ngdc.noaa.gov/geomag>

Magnetic Declination Compensation

- Compensate for an object's bearing by subtracting westerly magnetic declination or adding easterly magnetic declination with the magnetic bearing.

Example 1

- Westerly magnetic declination = 23° , Magnetic bearing = 323° .
- True bearing: $323^{\circ} - 23^{\circ} = 300^{\circ}$.

Example 2

- Easterly magnetic declination = 22° , Magnetic bearing = 278° .
- True bearing: $278^{\circ} + 22^{\circ} = 300^{\circ}$.
- This watch will compensate the compass bearing automatically if the user inputs the magnetic declination angle into the watch at the Magnetic Declination setting mode.
- Check the "Calibrating the Compass" section on p.10 for more details of the calibration.

Magnetic Declination at Major Cities

Country	City	Declination
Australia	Canberra	12-E
Austria	Vienna	2-E
Bangladesh	Dhaka	0
Belgium	Brussels	1-W
Brazil	Brasilia	19-W
Canada	Ottawa	14-W
Chile	Santiago	5-E
China	Beijing	6-W
China	Hong Kong	2-W
Costa Rica	San Jose	0
Cuba	Havana	3-W
Czech Republic	Prague	2-E

Magnetic Declination at Major Cities (continued)

Country	City	Declination
Denmark	Copenhagen	1-E
Egypt	Cairo	3-E
Finland	Helsinki	6-E
France	Paris	1-W
Germany	Berlin	1-E
Greece	Athens	3-E
Hungary	Budapest	4-E
India	New Delhi	1-E
Indonesia	Jakarta	1-E
Israel	Jerusalem	3-E
Italy	Rome	1-E
Japan	Tokyo	7-W

Magnetic Declination at Major Cities (continued)

Country	City	Declination
Jordan	Amman	3-E
Kenya	Nairobi	1-E
Korea	Seoul	7-W
Malaysia	Kuala Lumpur	1-E
Mexico	Mexico City	6-E
Nepal	Kathmandu	0
Netherlands	Amsterdam	1-W
New Zealand	Wellington	22-E
Norway	Oslo	0
Pakistan	Islamabad	2-E
Philippines	Manila	1-W
Portugal	Lisbon	5-W

Magnetic Declination at Major Cities (continued)

Country	City	Declination
Russia	Moscow	9-E
Singapore	Singapore	0
South Africa	Cape Town	23-W
Spain	Madrid	3-W
Sweden	Stockholm	3-E
Switzerland	Bern	0
Taiwan	Tai-pei	3-W
Thailand	Bangkok	0
UAE	Abu Dhabi	1-E
United Kingdom	London	3-W
United States	Washington DC	10-W
United States	Juneau, AK	25-E

Magnetic Declination at Major Cities (continued)

Country	City	Declination
United States	Phoenix, AZ	12-E
United States	Little Rock, AR	2-E
United States	Sacramento, CA	16-E
United States	Denver, CO	10-E
United States	Atlanta, GA	4-W
United States	Honolulu, HI	10-E
United States	Boston, MA	16-W
United States	Jackson, MS	1-E
United States	Santa Fe, NM	10-E
United States	Oklahoma City, OK	6-E
United States	Salem, OR	18-E
United States	Salt Lake City, UT	14-E

Caring For Your Watch

Even though your watch is water-resistant, it is not recommended that you wear it in a hot shower, sauna or hot tub. We suggest sending your Wenger watch to our Customer Service Center for battery replacement (please see procedure under "Warranty Service"). Batteries should only be replaced by a professional jeweler to maintain the watch's water-resistance. If your watch has a bracelet, we suggest you see a jeweler for any sizing adjustments.

3-Year Limited Warranty

Wenger is proud to stand by our quality Swiss craftsmanship with a 3-Year Limited Warranty. This Wenger watch is warranted to the original consumer/purchaser against breakage or malfunction under normal use due to defects in material or workmanship. This 3-Year Limited Warranty also includes all components and craftsmanship of the Swiss movement and watch case. We will repair, or at our option, replace any defective Wenger watch with the same or comparable model. We will refund the purchase if repair or replacement is not commercially possible. The warranty will become null and void if the timepiece is misused, abused, tampered with or taken apart, or if the timepiece is repaired by anyone other than an authorized dealer. The warranty is not extended to the watch strap, bracelet, finish, crystal or battery. The warranty does not cover any incidental, consequential or special damage arising from any or all uses of the Wenger watch. Wenger watches must be repaired by an authorized dealer or the warranty is void. Some states do not allow the exclusion or limitations of incidental, consequential or special damages, so the above limitations may not apply.

Warranty Service

In the United States, please send your watch to: WWRC, 15 Corporate Drive, Orangeburg, NY 10962. Please include a check or money order payable to Wenger NA in the amount of \$10(US) to cover the cost of return shipping and handling (California residents exempt). If your warranty has been rendered void as a result of non-compliance with above warranty restrictions, we will send you an estimate before any repairs are made. When sending your watch to our Service Center, please pack it securely. We suggest insuring the shipment as Wenger NA cannot be responsible for packages not received by the company. Be sure to include your name, mailing address, phone number, email address, proof of purchase and a brief description of the problem. Wenger is not responsible for damage or loss in shipping. Note: Do not send watch boxes. If you have questions or concerns, please call 800-267-3577 or 800-447-7422 to speak to a Customer Care Associate. You may also visit us on the web at www.WengerNA.com or contact us via e-mail at Custsvc@WengerNA.com. In Canada call: 888-838-1504. Outside the U.S. or Canada, please visit www.Wenger.ch for further instructions.

Wenger Watch Registration

For your convenience, you can **register online** at www.WengerNA.com/warranty or complete the form below and mail it to the address on the back.

Name/Nombre: _____

Address/Dirección: _____

City/Cuidad: _____

State/Estado: _____ Zip Code/Código Postal: _____

Email: _____

Date Acquired/Fecha de Adquisición: _____

Gift/Regalo Purchase/Compre

Where Purchased/Lugar de Compre: _____

Notes: _____

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