

BALL
OFFICIAL  STANDARD
Since 1891

ENGINEERED FOR PERFECTION.



Owner's Manual

To extend your warranty for an additional year,
please register online at www.ballwatch.com/bmw

Content

CONGRATULATIONS	2
BALL INTERNATIONAL WARRANTY	3
SPECIAL RECOMMENDATIONS	5
DISPOSAL	5
ENGINEERED FOR PERFECTION	6
CASE	6
CRYSTAL	6
SHOCK-RESISTANT	6
MOVEMENT	6
ILLUMINATION	6
WATER-RESISTANT	7
MAGNETISM	7
SWISS NIGHT READING TECHNOLOGY	8
OPERATING INSTRUCTIONS	10
AUTOMATIC CHRONOGRAPH	12
AMORTISER® SHOCK-ABSORBING SYSTEM	14
CHRONOGRAPH SCALES	15
GMT	16
CHRONOMETER CERTIFICATE	17
POWER RESERVE	19
TMT	20
CARING FOR YOUR BALL WATCH	21
OPTIMUM SAFETY	23
INTERNATIONAL AFTER-SALES CENTERS	24

Congratulations

We congratulate you on your choice of a BALL for BMW watch and thank you for your confidence in our company, a Swiss brand among the most highly renowned in the world.

Each BALL for BMW watch is completely Swiss-made and has been created to meet the most exacting requirements.

The materials we use guarantee the exceptional durability of our watches, even under particularly adverse conditions.

Your new watch has passed stringent controls before it was released for sale. To ensure it operates perfectly, we recommend that you follow the advice given in these instructions (the instruction manual is also available on our website: www.ballwatch.com/bmw - Customer Service).

Thank you for your trust and confidence in us.

Yours faithfully,

BALL Watch Company

BALL International Warranty

Your BALL for BMW watch is warranted by BALL Watch Company SA FOR A PERIOD OF TWENTY-FOUR (24) MONTHS, THIRTY-SIX (36) MONTHS FOR WATCHES THAT ARE REGISTERED ON OUR WEBSITE WITHIN 90 DAYS OF PURCHASE under the terms and conditions of this warranty. The international warranty covers material and manufacturing defects existing at the time of delivery of the purchased watch. The warranty only comes into force if the warranty certificate is dated, fully and correctly completed and stamped by an official BALL Watch dealer.

During the warranty period and by presenting the valid warranty certificate, you will have the right to have any defect repaired free of charge. In the event that repairs are unable to restore the normal conditions of use of your BALL for BMW watch, BALL Watch Company SA guarantees its replacement by a BALL watch of identical or similar characteristics. The warranty for the replacement watch ends twenty-four (24) months, thirty-six (36) months for watches registered on our website, after the date of purchase.

This manufacturer's warranty does not cover:

- normal wear, tear and ageing.
- any damage on any part of the watch resulting from abnormal/abusive use, lack of care, negligence, incorrect use of the watch and non-observance of the operating instructions provided by BALL Watch company SA.
- the BALL for BMW watch handled by non-authorized persons or which has been altered in its original condition beyond BALL Watch Company SA's control.

Special recommendations

- To avoid any errors, **do not perform the DATE SETTING between 09:00PM and 03:00AM** when the date mechanism is in action. Be careful not to confuse noon and midnight.
- **Never operate chronograph pushers or crown when your timepiece is under water or if it is wet and ensure that the crown and pushers are properly pushed back or screwed down after each use.**
- We recommend that you have the water resistance of your timepiece checked at an authorized BALL Watch Service Center every two years or whenever the timepiece case is opened.

Disposal

For environmental protection, we recommend you to send your BALL for BMW Watch to your local service center or our Swiss factory for disposal. If there is a defect with one of the lights or a part containing a light source, the watch should be returned for repair either to our factory or the designated service center.

Engineered for Perfection.

Case:

The case material used in our collections ranges from superior quality, high-grade stainless steel or coated steel with Diamond-Like Carbon.

Crystal:

The crystal is made of anti-glare sapphire.

Shock-resistant:

All BALL watches are constructed to withstand impact test, according to norm ISO 1413, which is carried out on a machine to simulate the effect of a free fall onto a hard wooden floor from a height of one meter.

Movement:

BALL has worked with top Swiss movement manufacturers to build our precise and dependable movements under the most rigorous conditions. BALL for BMW watches are then adjusted and modified to BALL's Standard.

Illumination:

It is the self-powered micro gas tube (^3H) that gives the watch excellent legibility even in the absolute darkness. This light source on all BALL watches does not require external charge, and lasts for up to 25 years. The brightness of ^3H gas lights will deteriorate over the years.

Water-resistant:

The water resistance of BALL for BMW watches ranges from 50m/160ft to 100m/330ft, depending on the model.

Magnetism

The Greeks first observed the phenomenon of magnetism around 600 B.C.

Magnetic fields produced by natural magnets are generally too weak to disturb the accuracy of a mechanical watch. The same is not true, however, of man-made magnetic fields. So where are we at risk to enter magnetic fields in daily life? Near televisions, stereo systems and radios in our living room. In the countless small electric motors used throughout our households. In the doors of cars, refrigerators or cabinets. In the telephone or computer monitor on your office desk. Even brief contact with these items is enough to magnetize a mechanical watch.

What does the term "antimagnetic" actually mean? The existing standard is defined thusly: If a mechanical watch does not stop when exposed to a magnetic field of 4,800 A/m and subsequently does not deviate by more than 30 seconds per day, it can be called "antimagnetic."

Swiss Night Reading Technology



How to read time from watches in dark environments has been a topic of much research in the watch industry. Applying luminous paints to dial and hands - activated first by radium, then by tritium - has been standard practice since the First World War but did not really satisfy the manufacturers.

After a quarter-century in research and development work, BALL Watch Company is proud to present an innovative Swiss laser technology that is considered the best alternative available today.

It is the self-powered micro gas tube known as ^3H that gives the watch its excellent dark reading capability in any conditions.

They provide superior night reading capability that is 100 times brighter than the current tritium-based luminous paints. ^3H gas tubes do not require batteries, recharging by an outside light source and glow continuously for up to 25 years.

You can read off time from the watch quickly and safely in brightest daylight or deepest night without adapting your eyes to the ambient light.

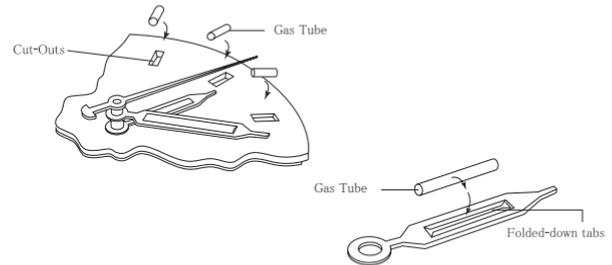


Diagram of gas tube attachment to hands and dial

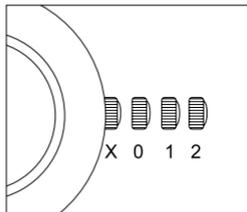
The Swiss technology, ^3H , captures tritium safely in a very stable form, as a pure gas sealed in a hollow body of mineral glass. Its exterior walls are coated with a luminescent material, which gives off cold light when activated by electrons emitted by the tritium. Light production is the same as in a TV tube, when the electrons of the cathode ray beam hit the screen.

Please note that brightness of the ^3H gas lights will gradually decline over time, but can be restored by replacing the complete dial with a new one.

Operating Instructions

[Please see Online User Manual in the Customer Service section at www.ballwatch.com/bmw for the latest information.]

Functions of the crown



- X = Normal position
- 0 = Manual winding position
- 1 = Date adjustment
- 2 = Setting the time

1. Manual Winding: if the watch has not been worn for a long period of time, wind the movement before setting the time. Unscrew the crown to position [0], then turn the crown clockwise 20 to 30 times.

2. Time Setting: to set the time, unscrew the crown and pull out to position [2]. Push the crown back into position [X] when the correct time is reached. When setting the time, please ensure that the date display is also set correctly. It should advance at midnight. If it advances at noon, you will need to turn the hands forward 12 hours.

3. Date Setting: after months with less than 31 days, you need to set the date to the first day of the next month. To do so, unscrew the crown and pull it out to position [1]. Turn the crown clockwise to set the date. On watches with Day function, turn the crown counter-clockwise to set the Day. **To prevent damage to the date-switching**

mechanism, we advise not to manually reset the date between 9PM and 3AM.

4. Always remember to screw down the crown after adjustment, to ensure water resistance and prevent possible damage to the movement.

Remarks:

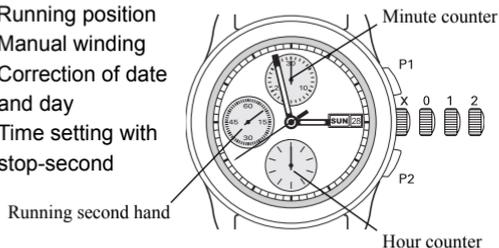
Automatic watches acquire their energy from an oscillating weight that is activated in response to the movements of your wrist. Depending on the model, the power reserve ranges from 38 to 48 hours. Manual winding is only necessary if the watch has not been worn for a long period of time, or if it has stopped.

Depending on the type of movement, the accuracy of a mechanical movement may vary one to two minutes per week. Accuracy is strongly influenced by the way the watch is worn.

Automatic Chronograph

See instructions for “Automatic Watch” above, with the following changes.

- Position [X]- Running position
- Position [0]- Manual winding
- Position [1]- Correction of date and day
- Position [2]- Time setting with stop-second



2 push-buttons:

Push-button at 2 o'clock [P1]: Start-stop of chronograph

Push-button at 4 o'clock [P2]: Return to zero of chronograph

Chronograph function: First ensure that the crown is in position [X] and that the chronograph hands are reset to zero.

- [P1] Upper Start/Stop control push-button. This push-button enables you to start and stop the chronograph function. Pressing once starts the central second hand. As soon as the second hand has revolved once around the dial, the minute hand is set into action. Pressing again stops these hands and a third push sets the chronograph function working again.

- [P2]. Lower return-to-zero push-button. After stopping the chronograph by pressing the upper control push-button [P1], press the lower push-button [P2] to reset the counters to zero. This push-button only functions when the counters are stopped.

- Running second hand: Most BALL chronographs feature running seconds in the subdial at 9 o'clock.

- Chronograph second hand: Start and stop by pressing the upper push-button [P1]. Reset to zero by pressing lower push-button [P2].

- Minute counter: Indicates the minutes elapsed from the start time by moving forward one unit for each complete revolution of the second hand. Reset to zero by pressing push-button [P2].

- Hour counter: Indicates the hours elapsed from the start time by moving forward one unit for each two complete revolutions of the minute counter. Reset to zero by pressing push-button [P2].

Amortiser® shock-absorbing system

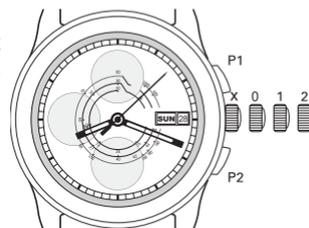
The Amortiser® shock-absorbing system reduces the risk of damage during high-impact activities.

The Amortiser® device, patented and exclusive to BALL Watch, secures the movement against extreme shocks. This feat of micromechanics is characterized by a ring of protection, protecting magnetically and enveloping the movement to absorb shocks. This ingenious system protects the mechanism against lateral impact.

Chronograph Scales

Tachymeter: Computes speed over a given distance.

The wearer can find the correct speed per hour by recording the time needed to travel the distance.



Description of operation

Please refer to the “Automatic Chronograph” instructions above to reset the chronograph counter to zero position.

To compute the speed of a car over a certain distance, press the top chronograph button [P1] to start timing. At the end of the fixed distance, press the button again. If the time elapsed is 45 seconds, the second hand should point to the figure 80 on the Tachymeter scale. If the fixed distance is a kilometer then the car is traveling 80 kilometers per hour.

GMT

See instructions for “Automatic Watch” above, with the following changes.



- **Date Setting:** Unscrew the crown and pull it out to position [1]. Turn the crown counter-clockwise to set date. To prevent damage to the date-switching mechanism, we advise not to manually reset the date between 9pm and 3am. Ensure that the date change takes place at midnight and not at noon.
- **Set the time of the second time zone:** Turn the crown clockwise until the correct time zone appears on the dial. Turn the GMT hand in one-hour increments to prevent wear on the movement.
- **Set the local time:** In position [2], turn the crown forwards or backwards.

Chronometer Certificate

A Chronometer is an extremely accurate watch. It takes its name from the Greek words chronos + metron meaning “to measure time”. A BALL chronometer is a highly accurate, mechanical watch whose precision has been tested and verified by The Official Swiss Chronometer Testing Institute (Contrôle Officiel Suisse des Chronomètres, or COSC, in French).

Before issuing the certificate, the COSC conducts elaborate precision tests on each BALL movement using cameras and computers and analyzes the data. The COSC performs seven different tests. Failure to meet the minimum standard in any one of the tests means that a movement is rejected. Here is a brief summary of the testing procedures:

※ Test 1

Mean daily rate: After 10 days of tests, the mean daily rate of the movement must be within the range of -4 to +6 seconds per day. The COSC determines the mean daily rate by subtracting the time indicated by the movement 24 hours earlier from the time indicated on the day of observation.

※ Test 2

Mean variation in rates: The COSC observes the movement rate in five different positions (two horizontal, three vertical) each day over 10 days for a total of 50 rates. The mean variation in rates can't be more than 2 seconds.

※ Test 3

Greatest variation in rates: The greatest of the five variations in rates in the five positions can't be more than 5 seconds per day.

※ Test 4

Horizontal and vertical difference: The COSC subtracts the average of the rates in the vertical position (on the first and second days) from the average of the rates in the horizontal position (on the ninth and tenth days). The difference must be no more than -6 to +8 seconds.

※ Test 5

Greatest deviation in rates: The difference between the greatest daily rate and the mean daily test rate can't be more than 10 seconds per day.

※ Test 6

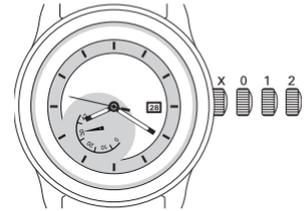
Rate variation due to the temperature: The COSC tests the movement's rate at 8 degrees Celsius (46 degrees Fahrenheit) and at 38 degrees Celsius (100 degrees Fahrenheit). It subtracts the cold temperature rate from the hot temperature rate and divides by 30. The variation must be no more than 0.6 seconds per day.

※ Test 7

Resumption of the rate: This result is obtained by subtracting the average mean daily rate of the first two days of testing from the mean daily rate of the last test day. The resumption of rate can't be more than 5 seconds.

Power reserve

The display at bottom is the power reserve indicator. It shows the remaining power reserve in the watch in hours. If the watch is not worn, or during periods of low activity, the hand of the power reserve indicator will wind down.



The BALL for BMW Power Reserve features a power reserve indicator that displays the remaining power reserve on a hand. The indicator will turn counter-clockwise as the power diminishes. During manual winding or when the watch is worn, the reserve indicator will move clockwise.

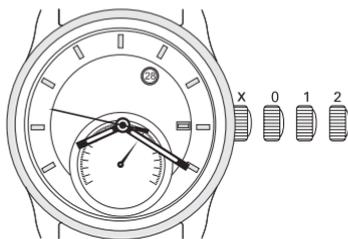
The natural movements of your arms wind the watch up automatically and the energy will be stored up as power reserve. Manual winding is only necessary if you stop wearing your watch for several days or if it stopped.

Remarks:

Do not overwind the watch. Manual winding should be stopped when the power reserve indicator reaches the end of the scale. Continued winding could damage the movement.

TMT

The TMT watches can measure temperatures from negative 40°C to positive 50°C (-40 to 122°F) with the indicator at 6 o'clock.



The temperature recorded by the TMT is precise and instantaneous but it records the temperature inside the watchcase, which is inevitably affected by the temperature of the wearer's wrist. To reveal the actual environmental temperature, the watch should be taken off for about 10 minutes until the inside of the watch reaches the ambient temperature. When worn over a wetsuit or parka, the TMT should immediately display ambient temperature without any distortion due to body heat.

The temperature scale in degrees Celsius [°C] can be easily converted into Fahrenheit scale following this simple formula:
 $^{\circ}\text{F} = ^{\circ}\text{C} \times 9/5 + 32.$

Caring for your BALL watch

Like a car engine, we recommend that you have your mechanical BALL watch checked, cleaned and lubricated by us or a BALL Authorized Service Center every three to five years. This regular maintenance will prevent damage to the movement due to the lubricating oils drying out.

Your BALL watch requires a certain amount of care. A few basic recommendations will help you to ensure its reliability and keep it look new.

Please avoid placing your watch on refrigerators or loudspeakers as they generate powerful magnetic fields.

- **Shocks:** Although your BALL watch has been built to withstand shock according to the highest standard in the industry, extreme impact against this precision instrument should still be avoided. A strong impact on the winding crown or the crystal can impair the water resistance or damage the movement.
- **Cleaning:** Make sure to rinse your watch regularly with fresh water, especially after it has been in salt water. This will help preserving its appearance and running condition.

- **Strap:** Our straps are made of finest calf, crocodile or alligator leather and are protected against humidity. To prolong the life of your leather strap, please avoid contact with water and dampness to prevent discoloration and deformation. Should the strap be immersed in salt water, we suggest that you rinse it with fresh water to prevent further damage. Please also avoid contact with greasy substances and cosmetic products, as leather is permeable.

Optimum Safety

Man has always been exposed to natural radiation arising from the earth as well as from outer space. The radiation we receive from outer space is called cosmic radiation or cosmic rays. On average, our amount of radiation exposure due to all natural sources is about 2.4 mSv a year - though this figure can vary widely, depending on the geographical location. Even in homes and buildings, there are also radioactive elements in the air.

The wearer of an intact BALL watch is never exposed to any radiation. Even the hypothetical and unlikely accident entailing the simultaneous release of all tritium contained in ^3H gas tubes would present a very minor internal irradiation. In that case, the wearer is exposed to a dose 30,000 times lower than the one due to average background radiation as stated above. It is evident that it does not make sense to speak of a risk at all for such minor exposure.

International After-Sales Centers

Your approved local BALL Watch Company SA service center can repair your timepiece in accordance with our warranty terms and conditions. Your BALL Watch Company SA distributor will provide the necessary after-sales service.

To obtain information on your local distributor, send an e-mail to:

info@ballwatch.ch

consult our website, www.ballwatch.com,

or call BALL Watch Company SA office on **+41 32 724 53 00**.

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If you have any further inquiries on your BALL watch, please use our Enquiry Form in the Customer Service section at www.ballwatch.com/bmw or contact your local distributor or retailer.

Information contained in this "Owner's Manual" is valid as of publishing date. BALL Watch reserves the right at any time to revise or update any information contained in this "Owner's Manual".

The revised or updated information will be published in the Customer Service section at:

www.ballwatch.com/bmw