

Reference 5175

Patek Philippe Grandmaster Chime

Caliber 300 GS AL 36-750 QIS FUS IRM

ANNIVERSARY EDITION



Double-face wristwatch,
20 complications.

A masterpiece presented on the occasion of Patek Philippe's 175th anniversary, the Grandmaster Chime is a grand complication wristwatch that reinvents the music of time in a totally new way. It features a *Grande Sonnerie*, a *Petite Sonnerie*, a minute repeater, and two all-new chiming functions: an alarm with time strike and an acoustic date

indication. This unique repertoire is enriched with an instantaneous perpetual calendar; the opus is housed in a fantastic double-face case that is decorated with hand-engraved laurel wreaths and fitted with a revolutionary reversing mechanism.

Recommendations

WATER RESISTANCE

Although your watch is equipped with a water-resistant crown, it is not protected against the ingress of moisture because of the pushers for the minute and date repeaters, the strikework mode selector, and the alarm pusher.

Therefore, exercise care to ensure that liquid does not come into contact with your watch.

SERVICE

We recommend that you have your watch serviced at least once every five years. For this purpose, we suggest you take it to an Authorized Patek Philippe Retailer who will send it to our Geneva manufacture. You can then be assured that your watch will be inspected and overhauled by a qualified master watchmaker at Patek Philippe headquarters in Geneva. The master watchmaker will completely disassemble the movement and then inspect, clean, and lubricate all the individual parts prior to reassembly. All functions of the watch will also be tested in detail and the escapement regulated if necessary. Finally, its rate accuracy will be monitored and precision-adjusted for a further period of at least two weeks. The case and the buckle will be polished as per your instructions and your watch will be returned to you in mint condition. The entire process will take several weeks because each watch must undergo a complete series of tests to fulfill the strict quality criteria of Patek Philippe.

If you have any questions regarding the maintenance of your watch, contact the Authorized Patek Philippe Retailer nearest you or our International Customer Service department in Geneva, or visit www.patek.com.

FRONT SIDE

WINDING THE MOVEMENT

Your watch has a manually wound movement. It is wound with the crown in position R (Remontage = winding) as displayed by the crown position indicator between 4 and 5 o'clock. Turn the crown clockwise until the hand of the power-reserve indicator at 9 o'clock (MOUVEMENT) reaches the topmost position. When fully wound, the double barrel has a power reserve of at least 72 hours.

Remove the watch from your wrist to wind it. This way, you can avoid lateral pressure on the winding stem which in the course of the years could damage the stem tube. Use your fingernails to pull out the crown and gently turn it between two fingertips to set the time.

WINDING THE STRIKEWORK MECHANISM

Before you initiate a time strike, make sure the small round window at 1:30 shows white. If it is red, the strikework mechanism does not have enough energy and is blocked. To wind its double barrel, turn the crown counterclockwise. For this purpose, the crown must be pushed home (position R as displayed by the crown position indicator between 4 and 5 o'clock). The strikework mechanism is ready to operate when the small round window shows white again. To enjoy all of the functions of your watch, you should wind the strikework double barrels until the strikework power-reserve indicator at 3 o'clock (SONNERIE) reaches the uppermost position. When fully wound, the strikework mechanism of the Grandmaster Chime has a power reserve of 30 hours in the *Grande Sonnerie* mode but this may be reduced with the frequent use of the minute and/or date repeaters.

Grande Sonnerie

The *Grande* and *Petite Sonnerie* as well as the minute repeater can only function if the bell-shaped window at 1 o'clock shows white. If it is red, the alarm function is active and all other strikework modes are disabled.

A small slide S opposite the crown in the case flank at 9 o'clock allows the strikework mode to be selected. If the slide is in the center position (notch aligned with 9 o'clock), the *Grande Sonnerie* mode is active: at the top of each hour, it automatically sounds the hours with low tones. Every quarter-hour, it first sounds the hours and then the quarters with triple strikes. When the slide is shifted toward 12 o'clock, the mode switches to *Petite Sonnerie*: at the top of each hour, it sounds the hours with low tones. Every quarter-hour, it sounds the quarters with triple strikes. Shifting the slide toward 6 o'clock mutes the strikework mechanism (Silence). The selected strikework mode is indicated by the display between 7 and 8 o'clock: a small hand points to G (*Grande Sonnerie*), P (*Petite Sonnerie*) or S (Silence).

Minute repeater

The minute repeater strikes the time on demand at any hour. It is activated by pressing the pusher RM in the crown all the way in and releasing it again. Now, the watch sounds the hours, quarter-hours with triple strikes, and minutes indicated on the dial.

The hands should not be adjusted while the minute repeater sequence is running and for five seconds after the last strike. All other functions are blocked by elaborate isolator mechanisms to prevent the movement from being damaged.

Alarm

An alarm time can be set in quarter-hour increments at least 30 minutes and no more than 22 hours in advance (a single "ding" will sound if the alarm time setting was not accepted). Pull the crown out to position A (as displayed by the crown position indicator between 4 and 5 o'clock) and set the hand with the crown in the 24-hour alarm dial at 12 o'clock to the desired alarm time. If it is not precisely aligned with a quarter-hour marker, the closer quarter-hour will be selected. The alarm will always sound two minutes before the full quarter-hour: if 8:45 is set as the notification time, the Grandmaster Chime sounds the time at 8:43 with 8 strikes for the hours, two triple strikes for the quarter-hours, and 13 strikes for the minutes. Push the crown home again and press the pusher at 2 o'clock to activate the alarm function. The bell-shaped window at 1 o'clock switches from white to red.

From now on, all other strikework modes are disabled. As soon as the alarm sequence has ended, the bell-shaped window will change to white and all other strikework modes are enabled again. The alarm function can be interrupted manually by pulling out the crown to position A and waiting about 5 seconds for the bell-shaped aperture to change to white. Warning: during this lapse of time do not push the crown back into position R.

IMPORTANT: It is strictly forbidden to make any correction to the alarm before the bell-shaped aperture has changed from red to white.

Date repeater

The DATE pusher must be pressed all the way in and released again to trigger the date repeater. If the date strike does not occur, this means that another strikework function has not yet ended or that the alarm function has been activated. In the first case, you can try again after a few seconds. In the second case, you will first need to cancel the alarm.

Instantaneous perpetual calendar

To prevent damage to the case and the correction push pieces, operate the latter only with the gold and ebony correction stylus delivered with the watch.

SETTING THE TIME

The local time is displayed by the black hands on the time side and the 24-hour subdial at 12 o'clock on the calendar side of the watch. The time is set by pulling the crown to position H (as displayed by the crown position indicator between 4 and 5

o'clock). The hands can be moved to the correct time by turning the crown in either direction. If the hands are moved clockwise beyond midnight, the calendar displays will advance by one day. After having set the time, push the crown home again (position R).

If a counterclockwise time adjustment is needed, move the minute hand slightly farther back than necessary and then set the correct time in the clockwise direction. This assures that the wheels are properly meshed. Before making any correction to the time display, verify that the alarm is inactive – i.e. that the bell-shaped aperture has changed from red to white.

IMPORTANT: It is strictly forbidden to correct the time display before the bell-shaped aperture has changed from red to white.

BACK SIDE

SETTING AND CORRECTING THE PERPETUAL CALENDAR

The individual calendar displays are adjusted with the correction push pieces in the case flank. They are identified with engraved inscriptions.



- 1 Pusher for second time zone (+1 hour)
- 2 Chime selection (Silence/*Grande Sonnerie*/*Petite Sonnerie*)
- 3 Month correction
- 4 Year correction (+1 year)
- 5 Year correction (-1 year)
- 6 Pusher for second time zone (-1 hour)
- 7 Alarm ON
- 8 Day-of-week correction
- 9 Date repeater
- 10 Date correction
- 11 Moon correction

SETTING THE DATE (SUBSIDIARY DIAL AT 6 O’CLOCK)

The date is set with the correction push piece labeled QUANTIEME. Each time it is actuated, the date hand in the subdial at 6 o’clock (on both sides of the watch) will advance by one day.

SETTING THE DAY (SUBSIDIARY DIAL AT 9 O’CLOCK)

The day of the week is set with the correction push piece labeled JOUR. Each time it is actuated, the day hand in the subdial at 9 o’clock will advance by one day.

SETTING THE MONTH (SUBSIDIARY DIAL AT 3 O’CLOCK)

The month is set with the correction push piece labeled MOIS. Each time it is actuated, the month hand in the subdial at 3 o’clock will advance by one month.

SETTING THE YEAR (IN THE CENTER OF THE DIAL) AND THE LEAP YEAR CYCLE (SUBSIDIARY DIAL AT 6 O’CLOCK)

The Grandmaster Chime features a four-digit year display and a leap-year cycle dial with quadrants numbered 1 to 4; the 4 identifies a leap year.

Because the leap-year cycle is correlated with the year, these two displays are mechanically

interconnected. Contrary to the other calendar displays, they do not advance instantaneously. They switch slowly in the course of a few hours ahead of the year change. Thanks to Patek Philippe’s convenient solution, they can be corrected forward or backward. This is done with the two correction push pieces marked “+” and “-” next to the inscription MILLESIME. Each time one of these correction push pieces is actuated, the year display will switch forward or backward by one year and the leap-year display by one quadrant.

FRONT SIDE

Selecting a second time zone

The dial of the Grandmaster Chime has three hands from the center: two black hands for the local time in hours and minutes, and a short gold hand with a ring-shaped tip for the hours in a second time zone. With the two pushers at 8 and 10 o’clock, this second time zone can be selected bidirectionally in one-hour steps without affecting the progression of the other hands and time displays.



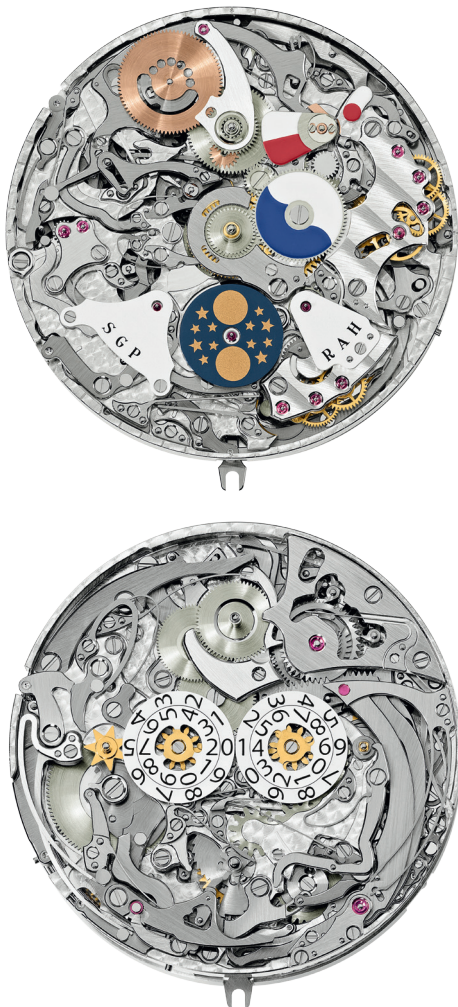
- R Winding the movement
- A Setting the alarm time and alarm OFF
- H Setting the time
- RM Triggering the minute repeater
- S Selecting the striework mode (Silence/
Grande Sonnerie/Petite Sonnerie)

With the “+” pusher, the hand is moved forward hour by hour to select a time zone to the east of the current location or, with the “-” pusher, backward hour by hour to select a time zone to the west. The second time zone is coupled with a day/night indicator in a small round window (blue or white) so it is easy to see whether it is daytime or nighttime there.

Setting the moon phase

The moon phase display is set with the correction push piece in the case flank between 4 and 5 o'clock next to the inscription LUNE. Each time it is actuated, the moon phase will advance by one day. Press it as often as needed to display a full moon. Consult a moon-phase calendar or log on to our website www.patek.com to find out how many days have elapsed since the last full moon (including the day on which you correct the display). To set the moon-phase display, actuate the correction push piece as often as days have elapsed since the last full moon.

Technical data



CALIBER: 300 GS AL 36-750 QIS FUS IRM

Manually wound mechanical double-face movement .

DIAMETER: 37 MM

HEIGHT: 10.7 MM

NUMBER OF PARTS: 1,366

NUMBER OF JEWELS: 108

NUMBER OF BRIDGES: 32

GOING TRAIN

POWER RESERVE: 72 HOURS

STRIKework

POWER RESERVE: 30 HOURS

BALANCE: GYROMAX®

FREQUENCY : 25,200 SEMI-OSCILLATIONS/ PER HOUR (3.5 HZ)

BALANCE SPRING: SPIROMAX®

HALLMARK: PATEK PHILIPPE SEAL

Displays

- | | | | |
|----|---|----|---|
| 1 | Hours | 11 | Strikework mode display (Silence/ <i>Grande Sonnerie</i> / <i>Petite Sonnerie</i>) |
| 2 | Minutes | 12 | Crown position indicator (Winding (R) - Alarm (A) - Timesetting (H)) |
| 3 | 24-hours and minute subdial | 13 | Moon phases |
| 4 | Second time zone | 14 | Date (on both dials) |
| 5 | Alarm with time strike | 15 | Date (on both dials) |
| 6 | Alarm ON/OFF | 16 | Day of week |
| 7 | Strikework isolator display (chimes enabled/disabled) | 17 | Month |
| 8 | Second time zone day/night indicator | 18 | Four-digit year display |
| 9 | Movement power-reserve indicator | 19 | Leap-year cycle |
| 10 | Strikework power-reserve indicator | | |

