

Reference 5531

Caliber R 27 HU



*World Time Minute Repeater.
Wristwatch with dial in cloisonné enamel and case with hand-guilloché decoration.*

Patek Philippe has attired the World Time Minute Repeater Reference 5531 in white gold. The dial center is adorned with a new *cloisonné Grand Feu* enamel motif depicting one of the famous steamships of the *Belle Époque* fleet still sailing on Lake Geneva today. The result is an entirely hand-made miniature Rare Handcrafts

masterpiece. Launched in 2017, this model has established itself as the first minute-repeater that always chimes local time. The caseband and the minute-repeater slide piece feature a hand-guilloché hobnail pattern emblematic of Patek Philippe. The skeletonized lugs ensure an unobstructed view of this *guilloché* work.

The minute repeater

On demand, the minute repeater strikes the hours, the quarter-hours, and then the minutes that have elapsed since the last quarter-hour. The first hammer strikes the hours on the low-pitched gong with one strike for each hour. Subsequently, each quarter-hour is sounded as an alternating double strike by two hammers on both the high and low-pitched gongs. Finally, the second hammer strikes the high-pitched gong to count the number of minutes that have passed since the last quarter-hour.

At 12:59, for instance, the melody consists of 12 low sounds, 3 double high/low sounds, and 14 high sounds (totaling the maximum of 32 strikes).

The World Time

The legendary World Time watch, launched in the 1930s, simultaneously and continuously displays the time in all 24 time zones. A cult object beloved of seasoned travelers and collectors of fine mechanical devices, it took another step forward in terms of functionality in 1999. Since then, a unique mechanism enables its owner, when changing time zones, to correct

all the displays collectively by pressing a single pusher, without affecting the rate accuracy of the movement. This patented system is exclusive to Patek Philippe.

Cloisonné enamel

Cloisonné enamel is used for luminously colorful ornamentations that are reminiscent of intensely rich stained glass. The technique uses flattened gold “ribbons”, or wires. They are soldered to the base metal of the object on their edges, fashioned into compartments, or cloisons, of a pattern that are then filled with enamel powders of various colors. In firing ovens, the powders melt and fuse. The cloisonné enamel technique is used only for very small editions of timepieces or unique pieces. The completion of one single piece of this kind can take several months, involve over twenty enamel colors and require several firings.



Instructions

WINDING CROWN

The winding crown is used to wind the watch (position 1) and to set the time (position 2).

WINDING

When it is on your wrist, your watch is wound automatically by your arm movements. When fully wound and off the wrist, your watch has a power reserve of at least 43 hours. If your watch stopped because you set it aside for an extended period of time, you can wind it manually with about 20 turns of the crown.

Caution: we advise you to wind the watch before you put it on. This way, you can avoid lateral pressure on the winding stem which, in the course of the years, could damage the stem tube. The same applies to handsetting. Please use your fingernails to pull the crown out and turn it gently between two fingertips.

SETTING THE TIME

To set the correct time, proceed as follows:

1. Press the pusher at 2 o'clock repeatedly until the city name that corresponds to your time zone is at 12 o'clock.
2. Pull the crown out slightly and move it clockwise or counterclockwise until the hour indication on the ring at the 12 o'clock position coincides with the local time (in 24-hour notation) and the minute hand shows the right time as well. Push the crown home again.

After this setting, the time and the city on the 24-hour ring indicated by the arrow at 12 o'clock corresponds to the time displayed by the hands.

Caution: Please set the time before you put the watch on. This prevents lateral pressure on the winding stem. Please use your fingernails to pull the crown out and turn it gently between two fingertips.

Never pull out the crown in a humid environment or underwater: the water resistance of your watch is assured only when the crown is pushed home.

SWITCHING THE TIME ZONES

To switch the time zone, you merely need to press the pusher at 2 o'clock repeatedly until the city which represents the destination time zone is at 12 o'clock. Three movements take place each time you press the pusher: the hour hand advances by one hour, and the city ring and the 24-hour ring both advance counterclockwise by one position. The minute hand is not affected by a time zone change and continues to advance independently.

Caution: Please fully release the time-zone pusher before you press it again.

As long as you do not travel to a different time zone, the city ring will remain stationary. However, the 24-hour ring will continuously move counterclockwise because it is coupled with the movement. By means of the city ring and the 24-hour ring, you can read the current time in all of the world's 24 time zones whenever you wish.

MINUTE REPEATER

The strike sequence of the minute repeater must be allowed to end completely before it is activated again.

Caution: never actuate the winding crown as long as the repeater is working and for 30 seconds thereafter. Doing so could cause damage to the repeating mechanism which would not be covered by the warranty.

To activate the striking mechanism, push the slide all the way up.

Now release it completely – do not pull it down.

Two small hammers will now strike the hours, quarter-hours, and minutes on two gongs of low and high pitch. If the watch was set aside unwound for an extended period of time, the minute repeater might not indicate the correct time because the oil may have thickened at some points inside the mechanism. This is absolutely normal and has no negative consequences. The striking mechanism will function correctly again within one or two hours after the watch has been rewound.

Caution: As soon as the minute repeater is actuated with the slide in the left-hand case flank, the World Time mechanism is blocked so that for the duration of the time strike no time zone adjustments can take place.

Recommendations

WATER RESISTANCE

Although your watch is equipped with a water-resistant crown, it is not protected at all against the ingress of moisture because of the slot for the minute repeater slide.

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 three to five years. For this purpose, we suggest you take it to an Authorized Patek Philippe Retailer who will send it to our Geneva manufacture, the only location authorized to service watches with minute repeaters. 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 to you or our International Customer Service department in Geneva, or visit www.patek.com.

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CHANGING THE CASE BACK

Your watch comes with a sapphire-crystal case back and a separate interchangeable solid metal back. Only qualified master watchmakers at the Patek Philippe workshops in Geneva are authorized to exchange the backs.

PATEK PHILIPPE SEAL

The Patek Philippe Seal is a global emblem of quality that applies to the completed and fully cased watch. It covers the movement, the case, the dial, the hands, the pushers, the straps and bracelets, the clasps, as well as all other components that contribute to the accuracy and aesthetic appeal of a watch. It takes technical, functional, and design-related aspects into account and also covers the visual appearance of the watch, its rate accuracy and dependability, as well as the quality of the customer service to which its owner is entitled. It encompasses the entire know-how and the unique facets that govern the development, production, and long-term maintenance of an exceptional timepiece.

Movement technical data



CALIBER:	R 27 HU
DIAMETER:	32 MM
HEIGHT:	8.5 MM
NUMBER OF PARTS:	452
NUMBER OF JEWELS:	45
POWER RESERVE:	MIN. 43 HOURS - MAX. 48 HOURS
WINDING ROTOR:	GUILLOCHED 22K GOLD MINIROTOR, UNIDIRECTIONAL WINDING
BALANCE:	GYROMAX®
FREQUENCY:	21,600 SEMI-OSCILLATIONS PER HOUR (3 HZ)
BALANCE SPRING:	SPIROMAX®
HALLMARK:	PATEK PHILIPPE SEAL