INSTRUCTION FOR USE

PLANETARIUM TRI-AXIAL
Girard-Perregaux has been defying gravity since 1867 and once again demonstrates its mastery of high-precision movements. The three-dimensional Planetarium watch combines a Tri-Axial tourbillon, a globe performing one full turn in 24 hours and an astronomical moon phase. Cleverly combining technical expertise, iconic design and traditional craftsmanship, it distils the essence of the Girard-Perregaux DNA: arrow-shaped gold bridges, a lyre-shaped tourbillon carriage, sapphire domes and a side opening enabling light to flood into this superbly refined mechanism.
A SIDERIAL TRIO

The tourbillon, an ingenious device compensating for the effects of gravity on a mechanical watch, is a speciality of Girard-Perregaux. Lately, the Maison developed an innovative and sophisticated version of it called: the Tri-Axial Tourbillon. As its name implies, this high-speed tourbillon is equipped with a regulator operating on three rotation axes instead of just one. This featherweight 1.24-gram, 140-part movement comprises an inner lyre-shaped carriage – a signature of the Maison since 1880 – performing one rotation per minute. It is fitted inside a structure spinning on a second axis in 30-second cycles. Both are in turn incorporated within a third structure revolving once every two minutes on yet another axis. The result is a mesmerising choreography entirely dedicated to conquering precision.

REACHING FOR THE MOON

Two astronomical complications join the dance. The globe with its 24-hour rotation provides an instant reading of the time around the world. Set to 12 o’clock (noon), the arrow indicator positioned at the base of the 13 mm-diameter aluminium sphere serves to show where it is daytime on the dial side, and where it is night-time, on the back. Hand-crafted using the miniature painting technique, its cartography depicts the world as it was in 1791, the year the brand was created. The equally micro-painted lunar disc picks up the 17th century selenography at the time the telescope was invented, beautifully matching the blue shades of the rotating globe and reproducing the moon as we see it. Equipped with a precision mechanism, the astronomical moon-phase indicator requires adjustment only once every 122 years, by means of a dedicated corrector at 2 o’clock.

DREAM-LIKE VISIONS

The 48 mm-diameter case is endowed with all the attributes of Girard-Perregaux Fine Watchmaking: an imposing curved case middle, a bevelled bezel and cambered lugs. Water-resistant to 30 metres, it is topped by a three-part sapphire crystal, with two domes providing space for the rotation of the tri-axial tourbillon and the globe. The transparent case-back and the side opening in the case ensure a perfect view of this complex mechanism, literally flooding it with light. Equipped with hand-winding Manufacture GP09310 calibre ensuring a 60-hour power reserve, the Planetarium with Tri-Axial tourbillon drives the hours, minutes, moon-phase and day/night functions. This movement visible through the transparent screw-down back is adorned with meticulous hand-crafted finishing and the iconic signature characteristics of the Maison: arrow-shaped bridges, along with the engraved eagle symbol holding the brand insignia.
INSTRUCTIONS FOR USE

WINDING
Crown in three positions:
0. Manual-winding position (crown not pulled out).
1. Day and night setting position (crown half pulled out).
2. Time setting position (crown fully pulled out).

Manual-winding
Your watch requires regular winding to work normally. To wind, turn the crown backward and forward when it is in position 0). When fully wound, your watch has a power reserve of approximately 60 hours.

Warning: do not force the crown once the resistance increases as this could damage the movement.

SETTING THE TIME
1. Pull your crown out to the time setting position 2).
2. Turn your crown clockwise to position the hour and minute hands at the selected time. At the time signal, push the crown back to position 0). Your watch will restart immediately.

SETTING THE MOON PHASES INDICATOR
1. Press on the corrector A), using the little tool received with your watch, until the full moon is displayed at noon.
2. Find out the date of the latest full moon by using a moon phase calendar.
3. Count the days (X) between the latest full moon and the actual date.
4. As one press on the corrector corresponds to one day forward, push on the corrector X times.

SETTING THE DAY AND NIGHT INDICATOR
1. Pull your crown out to the day and night indicator setting position 1).
2. Turn your crown to position the timezone where it is noon along the 12 o’clock arrow indicator. Once the globe is correctly placed, push the crown back to position 0).

Warning: after making any setting, always return the crown to its original position, to preserve the water resistance of your watch and prevent any damage to the mechanism. To do so, press the crown against the case in position 0).
GIRARD-PERREGAUX GP09310
MANUAL MECHANICAL MOVEMENT

Diameter 36.10 mm (16 "")
Height 16.87 mm
Frequency 21,600 Vib/hour (3 Hz)
Jewels 42
Number of components 388
Power reserve minimum 60 hours
Displays tri-axial tourbillon, hours, minutes, moon phases and day/night indicators

CASE
Dimensions 48.00 mm
Height 18.66 mm / 21.52 mm (with domes)
Crystal antireflective sapphire
Case-back sapphire crystal, secured by 6 screws
Water-resistance 30 meters (3 ATM)

FUNCTIONS
a | Hours
b | Minutes
c | Tri-axial tourbillon
d | Moon phases indicator
e | Day and night indicator
A) | Moon phases corrector