

CHANEL

J 12

RÉTROGRADE MYSTÉRIEUSE

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FUNCTIONALITY - J12 RÉTROGRADE MYSTÉRIEUSE

‘When technical prowess bows to aesthetics’

For the first ten minutes, the hours and minutes are read the same way as a traditional watch: from the middle.

At the tenth minute of the hour, the minute hand reverses its rotation and sets off again anti-clockwise.

It is therefore moving backwards and will take ten minutes to return to its traditional position at the twentieth minute. For this counter revolution of 300 (50 min. x 6/min.), the minute hand ‘regresses’ at the rate of five minutes of dial every minute.

During these ten minutes (retrograde period), every minute passed can be read on a disc figured 11 to 19 in a magnifying aperture. This digital disc moves slowly during the interval when the minute hand moves backwards. It remains in neutral (no figures) during the fifty minutes of the normal rotation of this hand. After ten minutes of moving backwards, reading the time returns to normal.

At 11 o’clock, a hand power reserve indicates how much time is left before it must be manually wound again (the movement is designed to operate for about ten days, i.e. 237 hours once the two parallel barrels are fully wound).

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FUNCTIONALITY AND ADJUSTMENT

Winding the movement manually



STAGE 1

Press the crown to release it



STAGE 2

Press firmly on the push-piece at 4 o'clock until you hear a click (thereby selecting 'manual winding')



STAGE 3

Wind manually or using a tool (supplied with the watch), until the power reserve gauge hand moves to the right (about fifty turns are required to rewind the watch fully)



STAGE 4

Press the crown and push firmly until you hear a click (resetting the function)

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FUNCTIONALITY AND ADJUSTMENT

Setting the time



STAGE 1

Press the crown to release it



STAGE 2

Press firmly on the push-piece at 2 o'clock until you hear a click (thereby selecting 'setting the time')



STAGE 3

Caution: Due to the retrograde system, the time can only be set in one direction of the hands. Care should be taken when setting the time to avoid going beyond the desired time. To prevent potentially damaging the mechanism, the crown will stop functioning if turned anti-clockwise. When the minute hand is on '10', minutes 11 to 19 are read on the disc underneath the magnifier. The minutes are read by the hand once more on reaching '20'



STAGE 4

Press the crown and push firmly until you hear a click (resetting the function)

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INNOVATIONS AND KEY COMPONENTS

Movement designed exclusively for CHANEL
by Renaud et Papi (APRP SA)



- CHANEL Calibre RMT-10
- Manual winding
- Power reserve: about ten days (237 hours), with indicator
- Number of components: 315
- Components chamfered, stretched and circular-grained by hand
- Height: 10.90 mm
- Casing ring dimension: 36 mm
- Number of rubies: 44
- Tourbillon: 85 components
- Carriage weight: 0.464 g
- Frequency: 21,600 vibrations/hour (3 Hz)
- Motor component: 2 barrels
- Spring torque: 460 g.mm per barrel
- Movement mainplate: high-tech* black ceramic
- Function selection yoke plate: titanium
- Shockproof system on the balance
- Adjustable stud support

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INNOVATIONS AND KEY COMPONENTS

Retrograde hand



RETROGRADE

Retrograde minute hand,
ten minutes every hour from 10' to 20'
Retrograde with gears

DRAGGING MINUTE

Dragging minute bridge. Titanium black PVD
Hand chamfers, sanded surfaces.
Dragging minute disc with indication from 11' to 19'
Aluminium, black lacquered finish

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INNOVATIONS AND KEY COMPONENTS

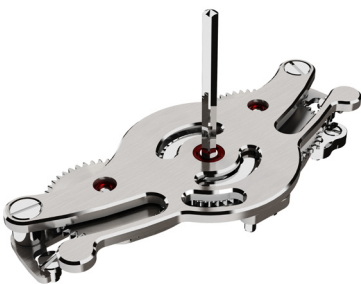
Crown and push-pieces



CROWN

Protected by a patent lodged by CHANEL, it has three major groundbreaking features:

1. The design of a vertical retractable system whereby the crown can enter and leave the case by simple pressure.
2. The construction of a perpendicular connection between the movement and the crown stem.
3. The creation of a mechanism with two high-tech* black ceramic push-pieces hidden in the bezel to activate the crown functionality.
 - Push-piece no. 1 at 4 o'clock activates the movement winding function.
 - Push-piece no. 2 at 2 o'clock activates the time setting function



FUNCTION SELECTION MECHANISM

Alters the crown's operating mode: winding and setting the time.

Steel, drawn strokes above, hand-polished chamfering, satin-polish sides.

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INNOVATIONS AND KEY COMPONENTS

Dual-barrel bridge and retrograde mechanism



An exceptional piece capable of withstanding the mechanical stresses applied by the two barrels 2 x 460 g.

Black chromatised aluminium
Hand chamfering.

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INNOVATIONS AND KEY COMPONENTS

10-day power reserve



DUAL-BARREL

Black PVD with stopwork which ensures the best driving force.

Circular-grained above, hand-polished chamfering, satin-polish sides.



POWER RESERVE BRIDGE

Titanium black PVD.

Hand chamfering and sanded surfaces

Power reserve index in circular-grained titanium

Increasingly-galvanic figures

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INNOVATIONS AND KEY COMPONENTS

Tourbillon with sapphire upper bridge



Frequency:	3 Hertz (21,600 vib./h)
Speed:	One revolution per minute
Tourbillon bridges:	Sapphire and high-tech* ceramic, hand polished chamfers positioned at 9 o'clock
Balance:	Black, with variable inertia moment with four adjustable screws in 18 carat gold
Balance diameter:	10mm
Carriage:	Steel
Carriage weight:	0.464 g
Chamfering:	Hand-polished

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INNOVATIONS AND KEY COMPONENTS

High-tech* ceramic mainplate



Black high-tech* ceramic mainplate with three bridges. Genuine monolith with polished angles, satin-polish sides and polished upper surface.

High technological performance due to the hardness of the material (9 on the Mohs scale) and the accuracy required for drillings: 1.013 mm holes with plus or minus 0.005 mm tolerance.