

OPERATION MANUAL

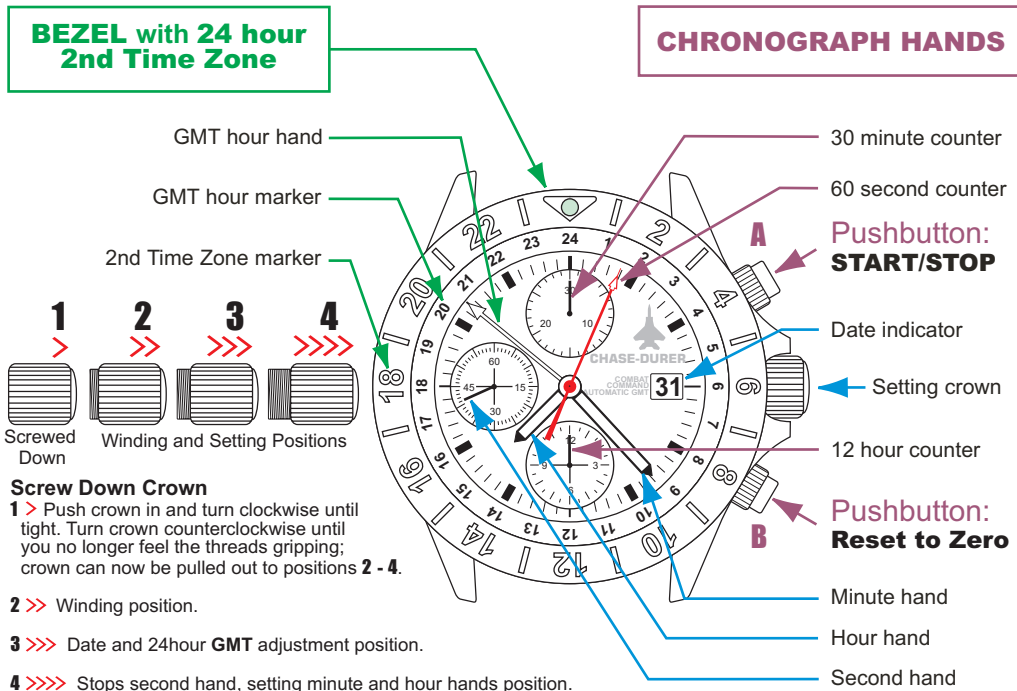
COMBAT COMMAND GMT AUTOMATIC CHRONOGRAPH



CHASE-DURER

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Screw Down Crown

1 > Push crown in and turn clockwise until tight. Turn crown counterclockwise until you no longer feel the threads gripping; crown can now be pulled out to positions 2 - 4.

2 >> Winding position.

3 >>> Date and 24hour GMT adjustment position.

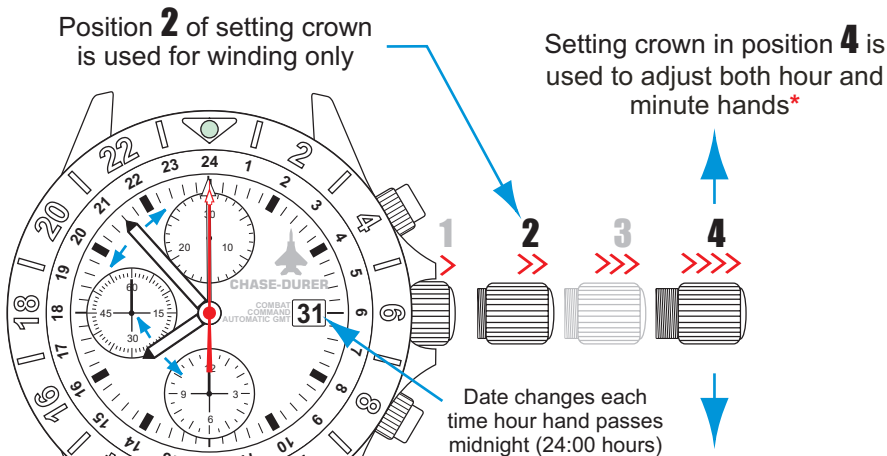
4 >>>> Stops second hand, setting minute and hour hands position.

WARNING: Crown must be locked down in position 1 at all times, use positions 2 - 4 for adjustments only. Pushbuttons do not screw down; Do not operate pushbuttons under water!

NOTE - Failure to screw down crown to resist moisture will void your warranty

WATCH HANDS

NOTE: If your watch stops, it must be wound by turning the crown clockwise approximately 25 full turns. Although the watch is automatic, the mainspring may not have enough reserve to keep it running accurately. Once wound, the normal movement of wearing the watch will provide enough power to keep accurate time.

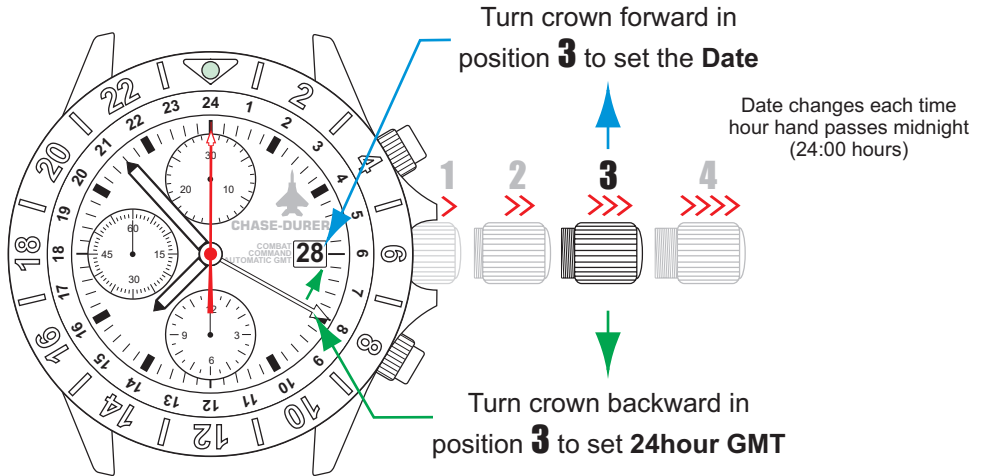


*Note - For precise setting of time, it is recommended to adjust the minute hand past the required time and turn backwards to the desired minute.

Setting crown in position **4** Stops the Second Hand to allow synchronizing with a time signal. There are many accurate sources for this time signal including shortwave radio frequencies that continuously announce **GMT (UTC)** and the internet.

GMT (Greenwich Median Time) is an international time standard originally established to facilitate oceanic navigation and is based on the time in Greenwich, England from which the remaining 23 global time zones are derived.

GMT is 5 hours ahead of *Eastern Standard Time (EST)* and 4 hours ahead of *Eastern Daylight Time (EDT)* during Daylight Savings Time. So if the time is **0900 GMT**, it is 4:00AM in New York City and 1:00AM in Los Angeles during *Eastern Standard Time (EST)*, but during *Eastern Daylight Time (EDT)* it is 5:00AM in New York City and 2:00AM in Los Angeles. **GMT** is also referred to as Coordinated Universal Time (**UTC**) or Zulu Time (**Z**).

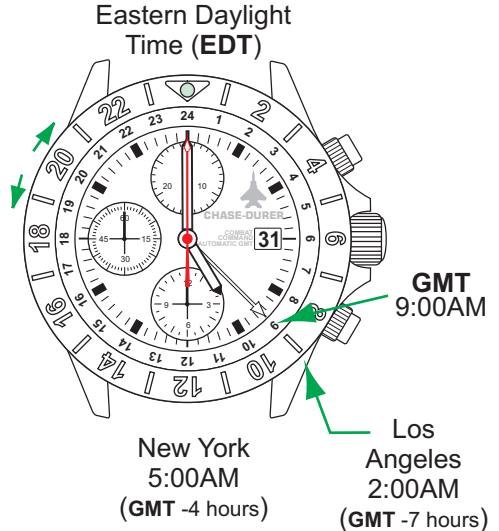
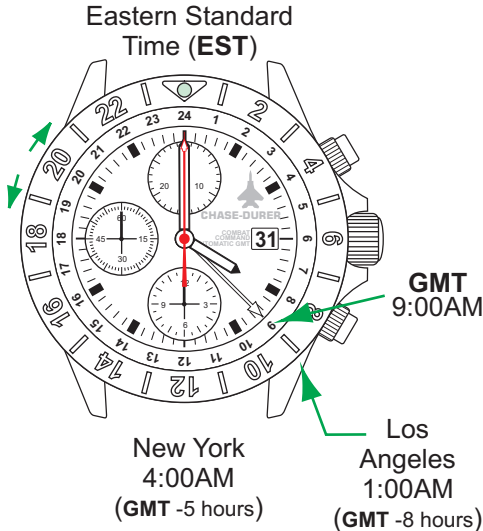


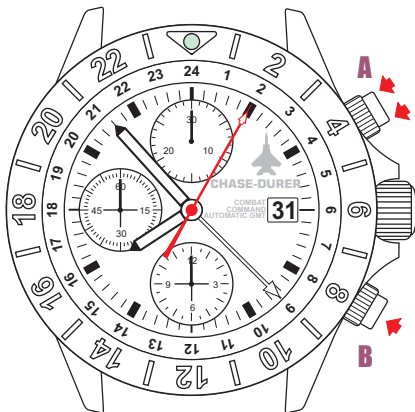
- Important Note -

When setting Date and **GMT**, the minute and hour hands must *not* be positioned between 8PM (20:00) and 3AM (03:00). During this time the date mechanism is engaged and adjusting it may cause damage to the gear.

The rotating bidirectional bezel allows for the setting of a second time zone in addition to the **GMT** 24 hour markers on the dial. The **GMT** hour hand indicates the second time zone on the bezel in 24 hour format also. Minutes and seconds are read on the dial's minute and second hands.

Examples:





START 1
STOP 2

Setting crown in position **1**

Reset to Zero 3

WARNING:

Before each time is taken, the hands should be returned to their original position.

If necessary reset to zero with pushbutton **B**

1 to **3** order of functions

ADD FUNCTION: Order in which pushbuttons should be pressed.



A

1

START

2

STOP
Read

3

START

4

STOP
Read



B

X

Reset to zero

At **68°F (20°C)**, sound travels at **344m** or **376yds / 1,129ft** per second in air at sea level.

Therefore, at **68°F (20°C)** sound will travel:

1 mile (1,760 yards / 5,280 feet) in **4.68** seconds
1,000 yards in **2.66** seconds
1 kilometer in **2.91** seconds

To estimate the distance to an event (such as an explosion, muzzle flash, lightning, etc.), measure the time from the visual flash to the sound and multiply the seconds by the per second speed.

For example the measured lightning to thunder time at **68°F** is **10** seconds. **10 x 344m** or **376yds / 1,129ft** would produce **3,440m** or **3,760yds / 11,290ft. (2.14miles)**

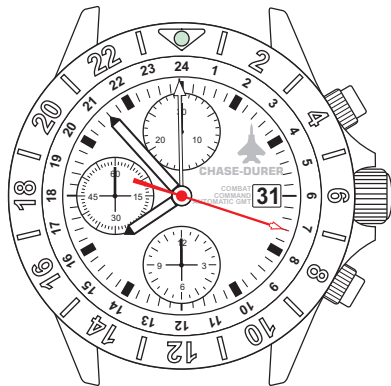
Alternately, you can divide the measured time at **68°F** by **4.68** to get miles (**10s / 4.68 = 2.14miles**), or **2.66** for thousand yard distance, or by **2.91** for kilometers.

NOTE:

At **32°F (0°C)**, sound travels at **332m** or **363yds / 1,089ft** per second in air at sea level.

Therefore, at **32°F (0°C)** sound will travel:

1 mile / 1,760 yards / 5,280 feet in **4.85** seconds
1,000 yards in **2.75** seconds
1 kilometer in **3.01** seconds



Example: Sea level temp is **68°F** and lightning to thunder measured time is **18** seconds. Distance of lightning strike point is:

$$\begin{aligned} 18s \times 1,129ft &= 20,322ft \\ 18s \times 376yds &= 6,768yds \\ 18s \times 344m &= 6,192meters \end{aligned}$$

OR:

$$\begin{aligned} 18s / 4.68s &= 3.85 \text{ miles} \\ 18s / 2.66s &= 6.77 \text{ thousand yards} \\ 18s / 2.91s &= 6.18 \text{ kilometers} \end{aligned}$$

COMBAT COMMAND AUTOMATIC GMT

Technical Specifications

- ◆ SWISS Made, Modified ETA VALJOUX 7754 25-jewel automatic movement; 28.800 pulsations per hour; Incabloc anti-shock system; Nivaflex 1 spring, tight tolerances of adjustment.
- ◆ Minimum 42-hour power reserve.
- ◆ Chronograph: 60 seconds, 30 minutes & 12-hour elapsed time.
- ◆ Case in solid 316L stainless steel.
- ◆ Screw-locked crown & screw-in skeleton back.
- ◆ Bidirectional, ratcheted 24-hour GMT bezel.
- ◆ 2nd GMT time zone.
- ◆ Super-LumiNova advanced illumination system on hands & indexes.
- ◆ Sapphire distortion-free crystal.
- ◆ Water resistant to 100m/330 feet.
- ◆ Bracelet in solid 316L stainless steel.
- ◆ Deployment buckle with double lock security clasp.
- ◆ Serial numbered.
- ◆ Limited edition.
- ◆ 2 year limited international warranty.

ETA Valjoux 7754

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