Size: 9 x 6.2cm

Co-Pilote RWIII Watch

Instruction Manual

To download instructions in other languages, please go to http://www.astopwatch.com

16.0 CE Certificate

This is to certify that the Fastime Copilote RWIII fully conforms to the protection requirements of the Council EC Council Directives. on the approximation of the laws of the member states relating to:

Directive 89/336/EEC Tite Electromagnetic Compatibility

Applicable Standards:
Electromagnetic Compatibility
EN50022 (1994 class B)
EN50024 (1998)

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United Kingdom www.astopwatch.com

15.0 Specifications

Chrono Time Mode
- Time of day and date keeping
- Hour format: 12/24 hour display
- Calendar format: Selectable Date-Month or Month-Date display mode
- Three independent pre-start operation, countdown timers: 1/10 second, 1/10, 1 second or 1/1000 hour chronograph
- Stopwatch working range: 0 to 23 hours 59 minutes, 59.99 seconds
- Recall function for those recorded stage times

Daily alarm Mode
- Daily alarm for time of day

Timer Mode
- Timer mode for count-up or count-down operation, with working range from 0 to 23 hours 59 minutes, 59 seconds.
- Four type of independent pre-start operation.
- Linking function is available among these six timers.
- For Timer 1: selectable linking to stopwatch function of the Chrono Time Mode.

Alarm Type (for both timer and alarm)
- Selectable audible sound alarm or flashing backlight alarm

Stopwatch Mode
- Two time measurements are available for independent stopwatch

Flight Model/Flight Log Mode
- Flight data 99 sets
- Sector data 20 sets.

Speed Mode
- Calculation set: 9 sets

Battery
- Lithium type battery CR2032

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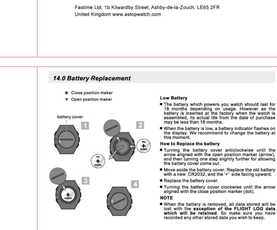
Quick Start Guide A

NOTE before start:
Please note that this is for getting start only. Please read the instruction for detail as well.

General:
1. Set in Time of Day mode and set time of day, date and "12/24 hour" Display format (Please see Section options. (Please see Chapter 9.1)
2. In Time of Day mode, deselect the Modes you do not require. (Please see Chapter 4.1)
3. Daily Alarm: Set alarm (Please see Chapter 10.1)
4. Stopwatch: Time format option (Please see Chapter 5.3)
5. Decide how you want to use the Stopwatch (Please see Chapter 3.1).
6. Decide if you want the watch to beep or flash alarm signals (Please see Chapter 10.1)
7. Read the instructions.

14.0 Battery Replacement

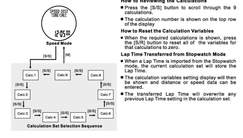


Low Battery
The Watch which powers you watch should last for 18 months depending on usage. However as the battery ages, the power to the watch may be interrupted, its actual life from the date of purchase may be less than 18 months.
When the battery is low, the battery indicator flashes on the display. We recommend to change the battery at this moment.

How to Replace the battery
- Turning the battery cover anticlockwise until the marker point on the battery cover is opposite the open mark and turning one step further for allowing the battery cover come out.
- Remove the battery cover. Replace the old battery with a new CR2032, and the "+" side facing upward.
- Replace the battery cover.
- Turning the battery cover clockwise until the arrow aligned with the close position marker (dot).

NOTE
When the battery is removed, all data stored will be lost. **Please make a record of the FLIGHT LOG data which will be retained.** So make sure you have recorded any other stored data you wish to keep.

13.2 Speed, Distance, Time Calculator Mode – Amending Calculations



How to Revisiting the Calculations
- Press the [S/S] button to scroll through the 9 Calculation sets.
- The calculation number is shown on the top row of the display.

How to Reset the Calculation Variables
- When the required calculations is shown, press the [S/R] button to reset all of the variables for the selected calculation.

Lap Time Transferred from Stopwatch Mode
- When a Lap Time is imported from the Stopwatch mode, the current Calculation set will store the Lap Time.
- The calculation variables setting display will then be shown and distance or speed data can be entered.
- The transferred Lap Time will overwrite any previous Lap Time setting in the calculation set.

Quick Start Guide B

Co-drivers
You can use this watch to carry out any or all of the following tasks:
A)In Chrono Time: Select a pre-start option (default is Mode Off/Date). When you reach a stage start, press the START/STOP button anytime during the countdown to start the stage time. The watch will automatically start the next minute (for stage start time). At the end of stage press the START/STOP button again to show the stage time and time of day at the end of the stage. You can store this in memory and compare with your rivals.
B)In Recall Mode: you can view your stage times. For each stage you can see the stage time, the cumulative time and the time of day at the end of the stage.
You amend individual stage times so that they agree with your given time.
You can use the stage zero option to enter time penalties
C)In Timer mode: you can use a bank of 6 timers to carry out a variety of tasks:
- Set timers for Service time (45 min, 20 min etc.) Start the timer when you enter the service area
- Set timers for the road section time allowed to reach the stage
- You can link the timers to cover road sections, service and stages for each leg of the rally.
- You can set individual prepare timers for individual stages.
- You can link the timers to the chrono time mode so that the timers start when the chrono time is started.
- Timers can count down or up

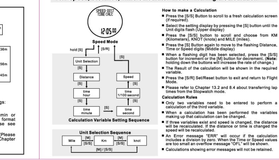
Quick Start Guide C

Example of Timer Usage:

NOTES	1st Car	LOCATION	Time Time	
S/S	1234	Nissan Service Area	45 min	T1 countdown 45m
S/S	29.50m	1Mile Road Section	30min	T2 countdown 30m 1Road to 1Mile
S/S	45.30m	1Mile Road Section	30min	T3 countdown 30m 1Road to 2Mile
S/S	158.30m	1Mile Road Section	45min	T4 countdown 45m
S/S	39.31m	1Mile Road Section	15 min	T5 countdown 15m
S/S	1234	1Mile Stage Start		

Go to the relevant Modes you require to use and set your preferred settings:
1) Time of day: Set time of day to the nearest 1/10 second.
2) Chrono Time: pre-start option: Next minute, instant, delay up to 59 min or present up as selected time of day (Please see Section 5.3 & 5.2), time format option: 1/10th sec, 1/10th sec, nearest sec or 1/10,000th hour(Please see Section 5.3)
3)Timer pre-start option (same as Chrono Time, but unlimited timers) (Please see Chapter 6.3)Set target times and timer linking options (Please see Chapter 6.2)

13.1 Speed, Distance, Time Calculator Mode - Making a Calculation



How to make a Calculation
- Press the [S/S] Button to scroll to a fresh calculation screen (Frequency).
- Select the setting display by pressing the [S] button until the Unit Selection Sequence is shown.
- Press the [S/S] button to scroll and choose from KM (Kilometers), KNOT (knots) and MHz (Megahertz) units.
- Press the [R] button to accept and then the Distance, Time or Speed display appears.
- When a flashing digit has been selected, press the [S/S] button to increment or press the [M] button for continuous scrolling. (**Note:** Holding down the button will increase the rate of change.)
- The Result of the calculation will be shown in the required units.
- Press the [S/R] Set/Reset button to exit and return to Flight Mode.
- Please refer to Chapter 13.2 and 8.4 about transferring lap times from to Stopwatch mode.

Calculation Notes
- Lap times transferred needs to be entered to perform a calculation of the final speed.
- When a calculation has been performed the variables remain in memory for further calculations.
- If three variables are entered speed is the result and time will be recalculated. If the distance or time is changed the speed will be recalculated.
- Error Screen overflow: If an error occurs, the calculation includes a divided by zero. When the Time or Speed values are set to zero or the calculation result is "0" or "Infinity".
- Calculations showing error messages will not be retained.

13.0 Speed, Distance, Time Calculator Mode - An Overview

Speed Mode Function
- Enter data for any two variables from Speed, Distance, Time and the calculator will compute the third variable.
- Up to 9 calculations can be retained.

Speed Mode Display
- At entering this Mode, the display shows:
  - The matrix display shows the Speed Start Time Calculation.
  - The Calculation is performed in the middle of the screen.
  - The lower display shows the current Time of Day.

12.4 Flight Log Mode - Deleting the Flight and Sector Data

Sector and Flight Data Deletion
- The following flight/sector data can be deleted during the Flight/Sector Review Sequence.
- When the required Flight/Sector has been selected, press and hold the [M] and [S/R] buttons simultaneously. Hold for 1 second until the display shows "FLIGHT or DELETED" is shown. Where 'xx' is the Flight/Sector number.
- To delete all Flights, the Flight/Sector Data Review Sequence must be used.

How to Delete All Flight Data
- While in Flight/Sector Data Review, press and hold both the [M] and [S] buttons until "DELETE ALL FLIGHTS" is shown. Continue holding the two buttons until "------" is shown.
- After Deletion the Flight/Sector Data Review Screen will appear.

12.3 Flight Log Mode - Adjusting the Flight and Sector Data

Flight Data Adjustment Sequence
- The following flight/sector data can be adjusted during the Flight/Sector Review Sequence.
  - **Flight data without sector details:** The flight start time, sector unit and flight start time.
  - **Flight data with sector details (latest 9 flights):** The flight start time, sector times and sector distance.
- **NOTE:** When the sector distance is entered, which will be updated automatically when sector times and speed are entered. Sector Speed is calculated and total sector speed figures will also be recalculated.

How to Adjust the Flight/Sector Data
- Select a Flight that need to be changed. Press and hold the [M] button for about 3 seconds to enter the setting display.
- Press the [S] button again to select the flashing digits that need to be changed.
- When a flashing digit has been selected press the [S/S] button for increment or the [M] button for continuous scrolling. (**Note:** Holding down the button will increase the rate of change.)

Note: Changing the Flight/Sector time will automatically update the cumulative time, the corresponding sector speed and the overall average speed.
- Press the [S/R] button to exit the adjusting mode.

12.2 Flight Log Mode - Reviewing the Flight and Sector Data

How to Review the Flight Data
- Press the [S/R] Set/Reset button to enter Flight Log Mode. The last recorded flight data will be displayed for the selected flight.
- The following Flight Data will be shown alternately.
  - Display 1: Flight number, with start date, total flight time (duration), Flight Start time and Flight End time.
  - Display 2: The Flight Start time, Flight Start time (all sectors) speed, Flight Start Time and Flight End time.
- Press the [S/S] button to review Flight Sectors. If a "n" indicated will appear by the most recent 9 flight sectors.

How to Review the Sector Data
- Press the [S] button when the "n" appears to start the sector review. The data for Sector 1 will be displayed.
- The following displays will be shown alternately:
  - Display 1: Sector number, sector start time, sector distance, sector speed, cumulative sector time.
  - Display 2: The Sector average speed, overall average speed so far, sector date and sector distance.
- Press the [S/S] or [S/R] button to select another sector to review.
- Press the [S/R] button to return to Flight Search.

NOTE: If sector distances are not entered then no speed or distance data will be shown.

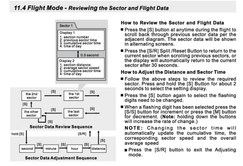
12.1 Flight Log Mode - Flight Log Mode Display

Flight Log Mode Display
- When entering Flight Log Mode, the display will show the following:
  - The matrix display shows the total number of flights.
  - The middle display shows the cumulative flying time.
  - The bottom display shows the current time of day.

12.0 Flight Log Mode - An Overview

Flight Mode Function
- The Flight Mode enables the recording of time, distance and speed relating to an individual flight. The data can be calculated by flight and sector within the flight.
- This function can be used as a simple flight stopwatch with automatic flight data logging.
- Distance can be measured in miles, kilometres or knots.
- Up to 20 sectors per flight can be recorded.
- Flight data start and end times of day and date are also recorded.
- Sector times, distances and speeds are calculated and can be viewed during a flight.
- Sector data can be amended at the end of the flight and recalculated to enter the sector distance and actual speed.
- Up to 99 Flights can be stored into the Flight Log (Please see Chapter 12.2)

11.4 Flight Mode - Reviewing the Sector and Flight Data

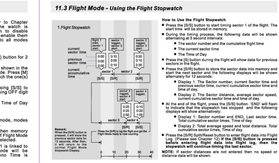


How to Review the Sector and Flight Data
- Press the [S] button at anytime during the flight to scroll back through previous sector data per the following sequence. Sector data will be shown in alternating screens.
- Press the [S/R] Split /Reset Button to return to the Flight Mode. If the Sector Review Sequence is left the display will automatically return to the current sector after 30 seconds.

How to Adjust the Distance and Sector Time
- Follow the above steps to review the required sector and then press the [S] button for about 2 seconds to select the sector distance.
- Press the [S] button again to select the flashing digits need to be changed.
- When a flashing digit has been selected press the [S/S] button for increment or the [M] button for continuous scrolling. (**Note:** Holding down the buttons will increase the rate of change.)

NOTE: Changing the sector time will automatically update the cumulative time, the corresponding sector speed and the overall average speed.
- Press the [S/R] button to exit the Adjusting mode.

11.3 Flight Mode - Using the Flight Stopwatch


1. Flight Stopwatch
[S/S]
[S/R]
[S/S]
[S/R]
[S/S]
[S/R]
[S/S]
[S/R]
Flight Stopwatch Sequence
Flight Stopwatch Sequence
Flight Stopwatch Sequence