INSTRUCTIONS

RALLY MONTE-CARLO

BLUNIK II PLUS

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Blunik II PLUS has 2 available trips, one for each stage ZR and one global one for the whole section, which we call **Long Link.**

ST00 is the only one that can be used in LONG LINK MODE.

DAILY PROGRAMMING

▶ SYNCHRONIZE THE CLOCK

```
Time    T08:10:56
ST00 L  Dxx:xx:xx
```

PARAM ◄VIEW ▶

```
CLOCK  SYNCHRO
   08:11:00.00
```

◀-10 + — ▶+10 Time to synchronize

ENTER SELECT ▶

```
SYNCHRO OK !!!
   08:11:00.00
```

▶ PARAMETERS

Press **PARAM ◄VIEW** to enter the parameters.

Use the keys **VIEW ▶** & ◀-10 + — ▶+10 to change the values.

CLOCK SYNCHRO = according to your needs

Mem/ Calibration = according to your needs

M Probe Mode= according to your needs

- **Blue Led** = 0,3 seconds (recommended)
- **Decal** = only for experts
- **Corrections** = 10 m (recommended)

  Bl Gr Re Sc Ac = according to your needs
- **Format** = mts
- **Difference** = distance
- **Language** = according to your needs
- **START KEY** = Synchro
     Synchro offset (only for experts)
- **START in STAGE** = disabled

  JP GAP = not necessary

  M/ Probe TYPE = according to your needs

PREPARING SECTION (LONG LINK ST00)

▶ PROGRAMMING ST00 (LONG LINK)

```
Time    T08:10:56
ST00    Dxx:xx:xx
```

Select **ST00** with keys **+** **—**

Press **STAGE** to program.

```
ST00 LL  xx:xx:xx
⌀00k000 T5h05m00
```

Program the total time for the section.

Select the "Long Link" Mode with the key **MODE CALIBRATION**

▼

VIEW ▶

```
ST00 (A)
⌀xxx.xx   228k130
```

With the keys **+** **—** program the final distance of the section.

Press **ZERO CALCULATE** to calculate the average speed.

```
ST00 (A)     END
⌀044.87   228k130
```

Press **ENTER SELECT** to exit.

▶ SET THE LONG LINK'S DISTANCE TO ZERO

```
Time    T08:10:56
ST00    Sxx:xx:xx
```

Select **ST00** with the keys **+** **—**

Press **STAGE** to program.

```
ST00 LL  xx:xx:xx
⌀00k000 T5h05m00
```

Press **ZERO CALCULATE** to set the Long-Link's trip to 000k00

▼

```
ST00 LL  xx:xx:xx
TRIP=0
```

Press **ENTER SELECT** to exit.
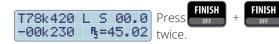
SECTION (LONG LINK ST00)

▶ SECTION START

```
Time    T08:10:56
ST00 L Sxx:xx:xx
```
Press **START** ON (In place and about 10 seconds until starting)

```
T00k000 L  S00.0
To go!    00:00.2
```
See countdown and distance 0k00

```
T00k012 L  S00.0
-00k025   ⌐=44.87
```
(L=Long Link)

▶ CALIBRATING DURING THE SECTION

```
T57k142 L S 35.2
P57k142 Z⌐=45.02
```
Press **ZERO** CALCULATE at the start of the calibration area (stopped or driving)

```
T62k479 L S 37.1
P05k337 Z⌐=45.02
```
Press **ZERO** CALCULATE at the end of the calibration area (stopped or driving)

Press **MODE** CALIBRATION until you see the calibration screen

```
Measured   05337
Road Book  05330
```
With **◀-10** **+** **—** **▶-10** set your road-book's calibration distance.

Press **ENTER** SELECT to validate.

```
 Calibrated !!
(A)  06230  / 01
```
Automatically you'll see: **Your new calibration**

▶ STOPPING LONG-LINK (PROVISIONAL) TO DO STAGES ZR

```
T78k420 L S 00.0
-00k230   ⌐=45.02
```
Press **FINISH** OFF + **FINISH** OFF twice.

```
Time    T08:10:56
ST00 L Sxx:xx:xx
```
Provisional end of Long-Link.

(Blunik saves Total distance in memory)

STAGES ZR

▶ PROGRAMMING STAGES ZR

Press **STAGE** to program.

```
ST12 AS  xx:xx:xx
⟡000k124   T00h35
```
Choose "AVERAGE SPEED" Mode with key **MODE** CALIBRATION
Program Offset distance (*). Program the intended total time (If you don't know this time, set a long value)

It isn't necessary to program the starting time (as we have the parameter set to "Synchro Start")

VIEW ▶
```
ST12 (A)
AS049.00 012k540
```
Program the average speed to follow until the appropiate distance.

VIEW ▶
```
ST12 (B)
AS048.50 023k330
```
Program all the average speeds and changing points you need.

Press **ENTER** SELECT to exit programming.

(*) The Offset distance is the distance between the pre-starting point of your road-book, with a distance of 00K000, and the real racing day starting point.

▶ STAGE ZR START

```
Time    T08:10:56
ST00    Sxx:xx:xx
```
Select the appropiate stage ZR with the keys **◀-10** **+** **—** **▶-10**

Press **START** ON at the stage ZR's real starting line when there are about 10 second for your starting time.

```
T000k124   S000.0
To go!    0:09.2
```
See Offset distance. See countdown.

STAGES ZR

▶ ENDING STAGE ZR (provisional)

```
T015k210 F S50.1
-00k010   ⌐=48.0
```

Press **FINISH** OFF exactly at the finish line, to freeze the screen and see the stage ZR's data. Take note.

If you press nothing or key **VIEW ▶** you return to the stage ZR screen.

▶ RETURN TO LONG-LINK (End definitive stage ZR)

```
T015k210 = S50.1
-00k010   ⌐=48.0
```
Press **FINISH** OFF + **FINISH** OFF twice. (Stopped or driving)

```
T015k210 = S50.1
LINK Continues...
```

```
T93K670 L S  50.1
-00k820   ⌐=44.87
```
Now you are in stage ST00 Long-Link (L)

The total distance is the sum of the distance traveled in ST00 and the distance traveled in the stages ZR. (The programmed Offset distance is not added)

▶ ENDING LONG-LINK

```
T228k130 = S00.0
+00k510   ⌐=48.0
```
Press **FINISH** OFF + **FINISH** OFF twice.

```
Time    T22:40:06
ST00 L Sxx:xx:xx
```

CORRECTING DISTANCES

▶ WITH ENTER

Press **ENTER SELECT** ▶

```
T64k479 = S 42.0
-00k230     08.50
```
New distance we want to enter

We'll modify the distance with the keys ◀-10 + − ▶-10

Press key **ENTER SELECT** on the visual reference to confirm.
Blunik will add or subtract the difference in distances

VIEW ▶ To not confirm

▶ WITH UPDATE

```
T64k479 = S 42.0
-00k230   ↑=45.02
```

▼

ZERO CALCULATE   Press on the visual reference

▼

```
T64k479 = S 37.1
P05k337 [Z]↑=45.02
```
Example: If the road-book says 64,52

You must **add 0,041m** = 64,52 - 64,479.

Press the key **+** , and with keys ◀-10 + − ▶-10 you must enter **+0,041.**

```
UPDATE TOTAL
  + 0041 units
```

Press **ENTER SELECT** to validate.

** You must press **−** if you have to remove meters (negative distance, example: **-0,041**) and use the keys ◀-10 + − ▶-10 to enter the value.*

▼

```
[T64k520] = S 42.0
P00k230   ↑=45.02
```
The meters you have added will appear in the total sum.

IN STAGE ZR VIEWS

Total Distance   Probes   Speed
```
T01k088 = S 48.1
+00k208   =40.00
```
Regularity difference   *Imposed average speed*

Regularity information screen.

Total Distance   Probes   Speed
```
T00k088 = S 38.1
P00k088 Z =40.00
```
Partial Distance   Imposed speed
Means screen is frozen for 5 seconds

Screen to follow the partial distance.

It freezes if you press the key **ZERO CALCULATE**

Total distance   Probes   Speed
```
T00k088 = S 38.1
C01:50.5   =40.00
```
Chrono   Imposed speed

Chrono screen.

The key **ZERO CALCULATE** fixes the chrono during 5 seconds.
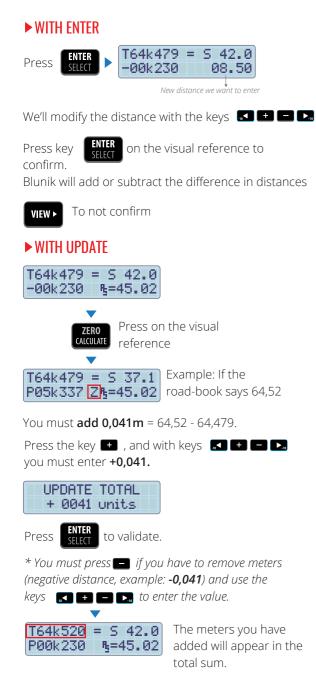

Remaining distance to complete stage ZR
Clock
```
T13:09:00   97k24
R01:50.26 =40.00
```
                    Imposed speed
Time left until the end of the section

Link screen.

This screen will only appear if you have programmed the total section time.

Total Distance   Next box
```
T01K088 =     #012
+00k208     1.670
```
                Box distance, validated by pressing ZERO
Regularity difference

Road-book box screen.

The key **ZERO CALCULATE** corrects the distance

▶ WITH SPORT DRIVE

SPORT DRIVE automatic corrections
Total Distance   Probes
```
T00k088 =   012.1
+00k208   010.0
```
Regularity difference
Corrections made by the Co-pilot

Screen with information on the corrections carried out.

WITH SPORT DRIVE (OR SPORT CALCULATOR)

• EXAMPLE A:

Total Distance   SPORT DRIVE corrections
```
T15k210 F   080.0
-00k010     050.2
```
Regularity distance   Co-pilot corrections

SPORT DRIVE corrections................................80.0
CO-PILOT corrections..48.0
Adjust meters at the end of stage ZR................-02.0

The objective of the SPORT DRIVE is to correct the total 80+48-2=128, that is, you want to increase the % multiplying by 1.6 (128/80=1.6)

```
* SPORT  DRIVE *
+ <<16%    8%>>
```
Previous %

▼

```
* SPORT  DRIVE *
+ <<25%   12%>>
```
% multiplying by 1.6

• EXAMPLE B:

Total distance   SPORT DRIVE corrections
```
T15k210 F   120.0
-00k010     030.2
```
Regularity distance   Co-pilot corrections

SPORT DRIVE corrections................................120.0
CO-PILOT corrections..-30.0
Adjust meters at the end of stage ZR................-00.0

The objective of the SPORT DRIVE is to correct the total 120-30=90, that is, you want to reduce the % multiplying by 0,75 (90/120=0,75)
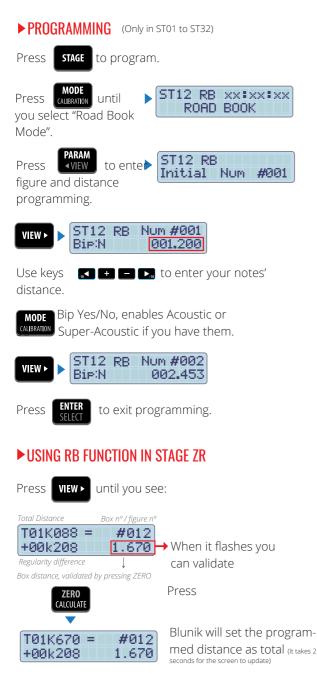
```
* SPORT  DRIVE *
+ <<25%   12%>>
```
Previous%

▼

```
* SPORT  DRIVE *
+ <<18%    9%>>
```
% multiplying by 0.75

ROAD-BOOK FUNCTION

▶ PROGRAMMING (Only in ST01 to ST32)

Press **STAGE** to program.

Press **MODE CALIBRATION** until you select "Road Book Mode". ▶

```
ST12 RB  xx:xx:xx
      ROAD BOOK
```

Press **PARAM ◀VIEW** to enter ▶ figure and distance programming.

```
ST12 RB
Initial  Num  #001
```

VIEW ▶ ▶

```
ST12 RB  Num #001
Bip:N        001.200
```

Use keys **◀-10** **+** **—** **▶+10** to enter your notes' distance.

MODE CALIBRATION Bip Yes/No, enables Acoustic or Super-Acoustic if you have them.

VIEW ▶ ▶

```
ST12 RB  Num #002
Bip:N        002.453
```

Press **ENTER SELECT** to exit programming.

▶ USING RB FUNCTION IN STAGE ZR

Press **VIEW ▶** until you see:

Total Distance   *Box n° / figure n°*

```
T01K088 =     #012
+00k208    1.670
```
→ When it flashes you can validate

Regularity difference
↓
Box distance, validated by pressing ZERO

Press

ZERO CALCULATE

▼

```
T01K670 =     #012
+00k208    1.670
```

Blunik will set the programmed distance as total (It takes 2 seconds for the screen to update)