STABILA®

...sets standards

Receiver REC 210 Line

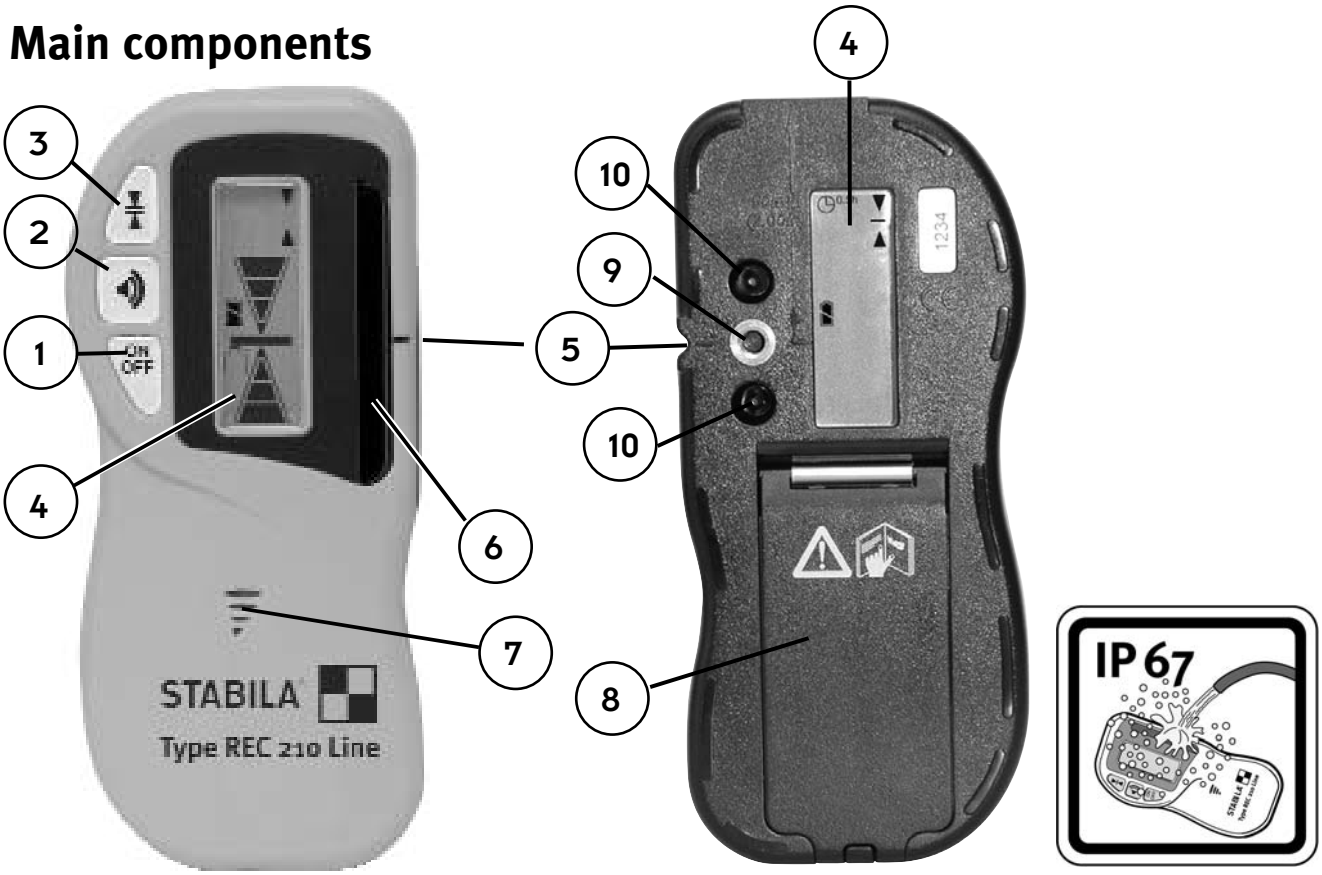
GB Operating instructions

Operating instructions

The STABILA REC-120 Line is a simple-to-use receiver for the rapid capture of laser lines.

The STABILA REC-120 Line can only receive pulse modulated laser beams.
The receiver will not work with rotation lasers.
We have endeavoured to explain the unit's handling and functioning in as clear and comprehensible manner as possible. If, however, you still have any unanswered questions, we should be pleased to provide advice over the telephone at any time on the following telephone number: 0049 / 63 46 / 3 09-0

Main components



1. ON/OFF button
2. Volume button
3. Accuracy button
4. LCD
5. “In line” marks
6. Laser receiver glass
7. Beeper
8. Battery compartment cover
9. Fixing thread for the clamp
10. Clamp Guides

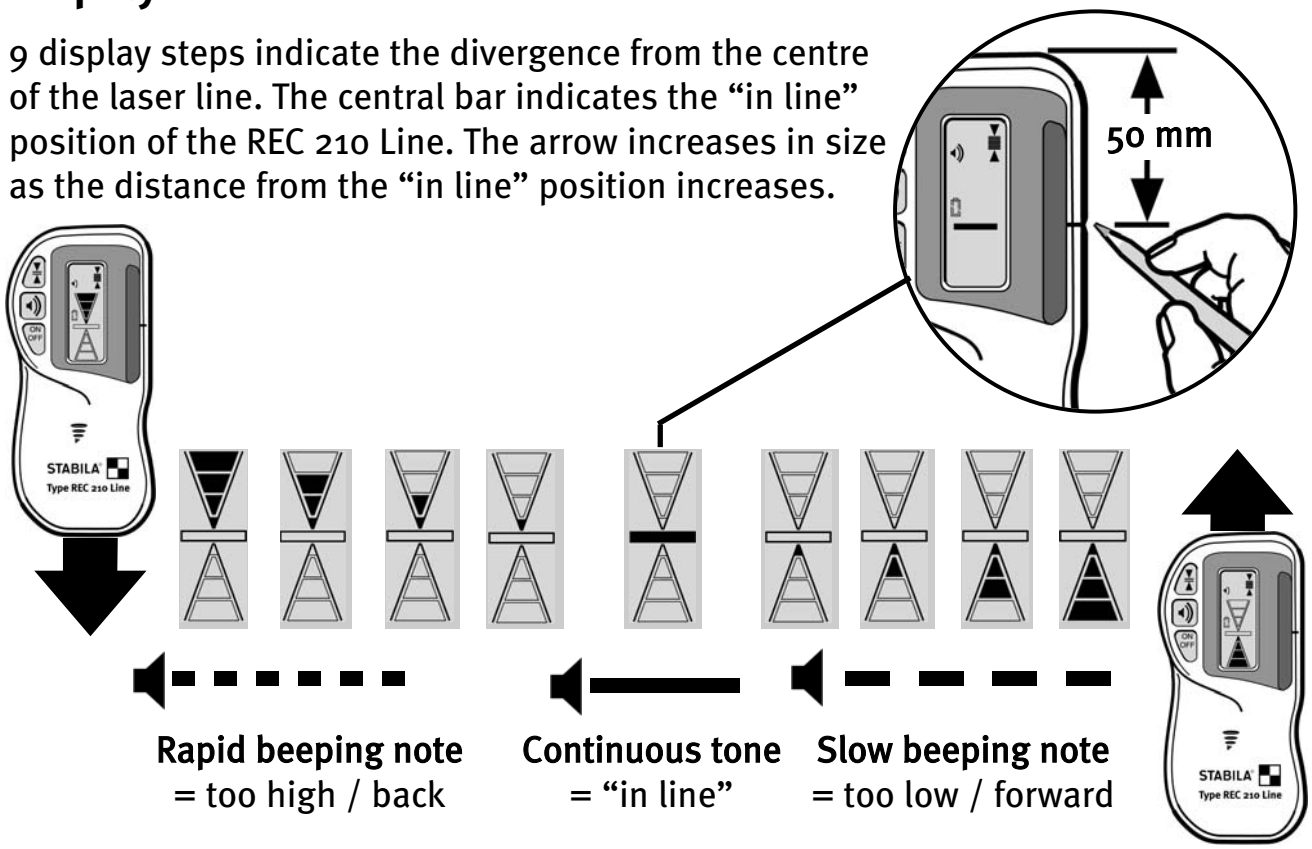
Getting started

1

Press the ON/OFF button (1). An audio signal and a short flash from the display will confirm, that the instrument is switched on. Press the ON/OFF button (1) quickly once to switch the instrument off. If the instrument is not used, it will automatically switch itself off after 30 minutes.

Display

9 display steps indicate the divergence from the centre of the laser line. The central bar indicates the “in line” position of the REC 210 Line. The arrow increases in size as the distance from the “in line” position increases.



Audio signals

Setting the volume


2

The volume is increased/decreased by repeatedly pressing the button (2): (a) Loud (a), soft (b) or off.
If the instrument is set to “silent” only a short beep is emitted when the laser beam is received.


(a)

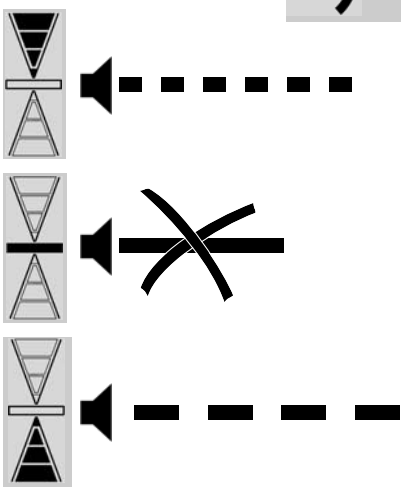

(b)

“In line” alarm mode


2

In this mode the continuous beeping note is switched off when the receiver is “in line”. If the receiver moves away from the correct alignment, the instrument emits the corresponding audio signals. The other functions operate as normal. Press the ON / OFF button (1) and the volume button (2) at the same time to activate this mode. The instrument will beep once to confirm it is in this mode. The “Volume” icon in the LCD will flash.

1



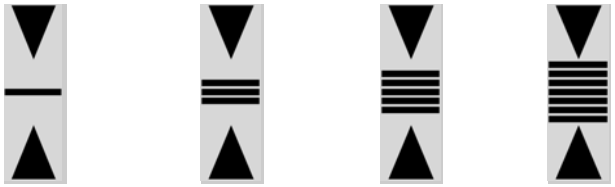
Measuring modes

Construction mode

The construction mode is active each time the instrument is switched on.

Construction mode display

The icons appear permanently

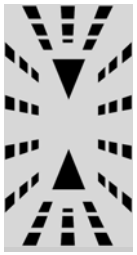


Construction mode accuracy

Super-fine	Fine	Medium	Wide
± 0,50 mm	± 1,0 mm	± 2,0 mm	± 3,0 mm

Industrial mode

(c)



Exact centre display
± 0,00 mm

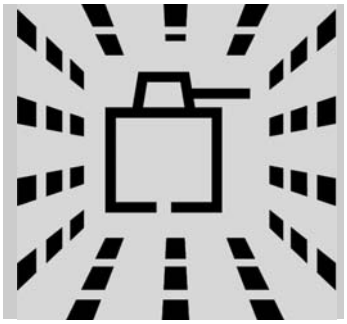
The more sensitive industrial mode has a tolerance of ± 0.00mm in the “in line” position.

3

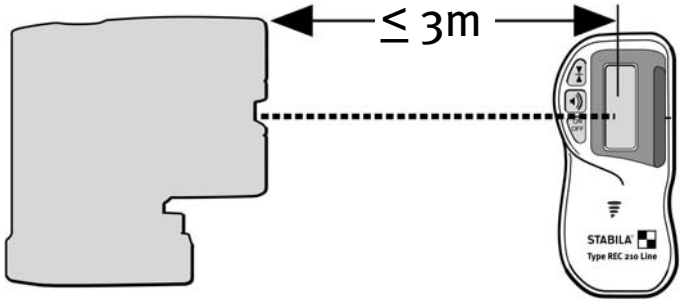
1

The instrument must first be switched off. Press the ON / OFF button (button1) and the accuracy button (button 3) at the same time in order to switch the instrument into industrial mode. It will beep once to confirm it is in this mode. The Accuracy icon (c) in the LCD will flash.
To return to construction mode, press the Accuracy button (button 3) again or switch the instrument off.
When the instrument is switched on again it will be in construction mode.

Close-up mode



(d)



3

2

For problem-free working at distances less than 3 m, switch to “close-up” mode. When the instrument is switched on, press the Accuracy button (3) and the Volume button (2) at the same time. The icon (d) will flash to confirm that “close-up” mode is operational. To switch off this function, either press the Accuracy button (3) and the Volume button (2) at the same time or simply switch the instrument off.

1

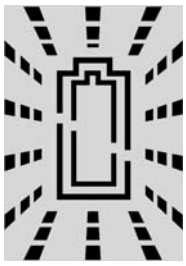
Replacing the batteries

Anzeige

Full: Batteries OK

Half: Initial Warning

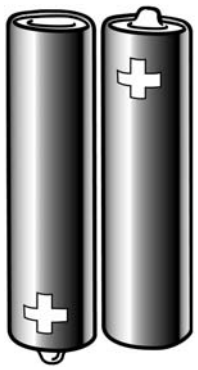
Empty: Approximately 30 Minutes Remaining



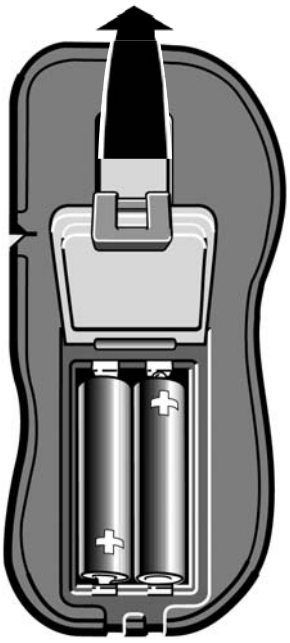
Flashing: Change Batteries!

Slide the battery cover (8) in the direction of the arrow and insert new batteries in accordance with the symbols in the battery compartment.

2 x 1,5V
Mignon cells Alkaline,
Size AA, LR6



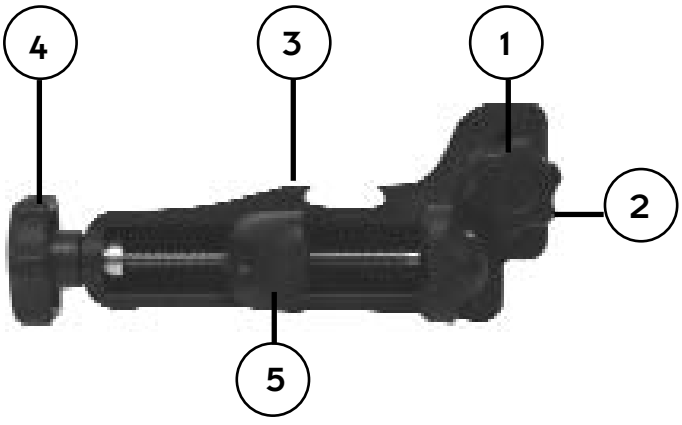
Mignon
AA
LR6



Remove the batteries if the unit will not be used for a long period !

Battery compartment cover. Water-tight. Protection against water and dust is ensured by the pressure of the cover against the seal. IP 67.

Bracket



1. Securing screw - for securing to the rear side of the receiver.

2. Guide cones - assist in quickly and securely fixing the bracket to the receiver.

3. Reading reference. The points are “in line” and so help accurate readings to be taken on levelling staffs.

4. Securing knob. Turning the securing knob fixes / releases the clamp with the receiver to / from the levelling staff.

5. Moveable clamping jaw - for fixing to the levelling staff.

Care and maintenance

Cleaning: Please do not remove dust and dirt from the receiving or display window by using dry cloths or abrasive materials as this procedure scratches the windows. A soft cloth and mild soap and water are effective.
The unit may be submerged under water or sprayed with a low pressure hose if necessary. Do not use any other fluids other than water or glass- cleaner, as they may attack polymer components.

Prohibited Uses

- Operation without instruction.
- Operation other than the intended uses.
- Opening the detector, except the battery compartment.
- Modification or conversion of the detector.

Important information

- The person in charge of the detector must understand the instructions in this manual and ensure other users do also.
- Periodically carry out test measurements, particularly after the detector has been subjected to abnormal use and before and after important measurements.

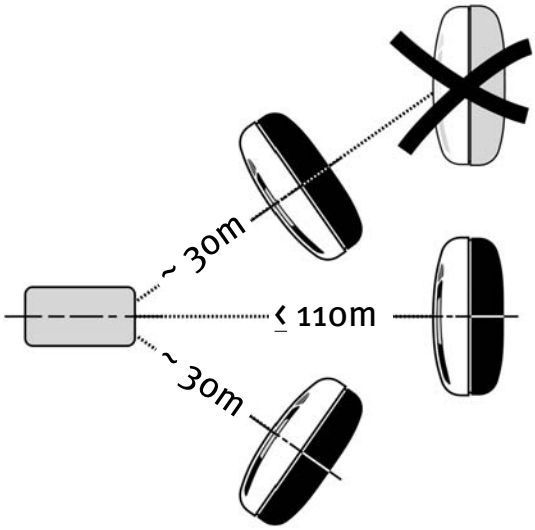
Positioning and adjustment of the instrument.
When setting up the instrument, take care that the laser beam does not produce any unwanted reflections from reflective surfaces.
These reflections may also be captured by the receiver and produce incorrect readings.
If working at distances of less than 3 m from the receiver, always use the “close-up” mode.

Recycling programme for our EU customers:

In accordance with the WEEE regulations, STABILA provides a disposal programme for electronic products at the end of their service life.
For more details, please contact:
www.STABILA.de / Recycling
or:
0049 / 6346 / 309-0

Technical data

Working Radius: up to 110 m, Laser dependent



Accuracy -		
Construction mode	Super-Fine:	± 0,50 mm
	Fine:	± 1,0 mm
	Medium:	± 2,0 mm
	Wide:	± 3,0 mm
Industrial - mode	Zero:	± 0,0 mm
Detectable Spectrum:		635 nm
Beeper Volumes:		Loud: ~ 103 dBA Low: ~ 75 dBA
Batteries:		2 x 1,5V Mignon cells Alkaline , Size AA,LR 6
LCD Backlighting:		Yes (LCD symbol)
Operating life:		50 hours
Automatic Shut Off:		30 minutes
Operating temperature range:		-20°C to +60°C
Storage temperature range:		-40°C to +70°C

Guarantee terms and conditions

Stabila provides a guarantee against deficiencies and faults in the assured characteristics because of material or manufacturing faults for a period of 24 months from date of purchase. Any faults will be eliminated at Stabila's own discretion either by repairing or replacing the unit. Stabila accepts no wider claims.
No liability is accepted for any faults due to inappropriate treatment (e.g. damage caused by the unit falling, operation with the wrong voltage or type of current, use of unsuitable current supply sources) or for any autonomous changes made to the unit by the purchaser or a third party.
Also no claims under guarantee are accepted for natural wear and tear or any small faults that do not significantly affect the unit's operation.
Any guarantee claims must be made via the dealer on the duly completed guarantee form (see last page) to be returned with the unit.