

**STABILA®**



...sets standards



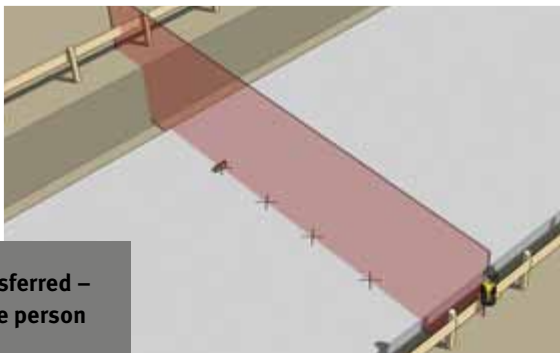
Right angles set  
out perfectly.



**STABILA LA 90 L and LA 180 L multi-line lasers**



Lines transferred –  
by just one person



## Layout Stations:

**Two STABILA line lasers revolutionise the marking  
out of walls on construction sites – faster and  
more accurate than ever before.**

**ACCURATE. TOUGH. RELIABLE. EASY-TO-USE.**



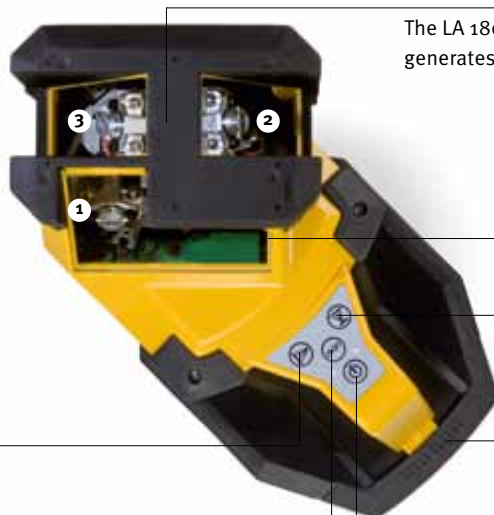
# STABILA Multi-line lasers: For a whole range of uses. Throughout the entire construction period.

Setting and laying out right angles, transferring lines and datums on the construction site takes a lot of time. Incorrect measurements cost a lot of money in rectification work. But that's a thing of the past now. STABILA's new self-levelling, multi-line lasers make setting out faster and more accurate than ever before. Both indoors and outdoors. Also when transferring heights as well as when aligning and setting out perpendiculars. The multi-line lasers can be easily positioned in corners. Sharp, easily visible laser lines – a clear message! Great for outdoor use – the LA 180 L combined with the new REC 410 Line RF line receiver. Measure in a flash! Up to 100 m.

## Innovative product design



The LA 90 L multi-line laser generates two vertical laser lines



The LA 180 L multi-line laser generates three vertical laser lines.

Exit window for horizontal laser line

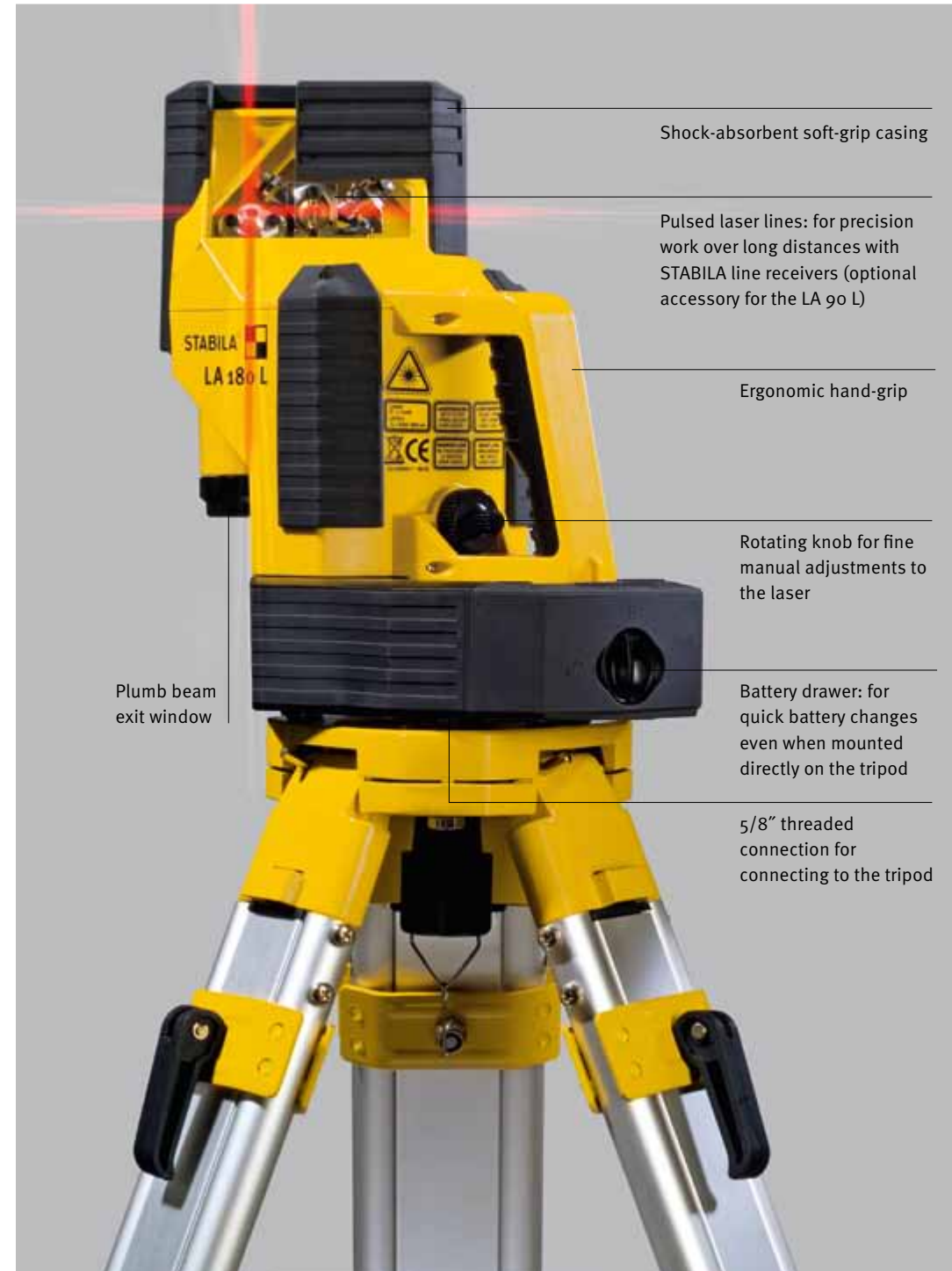
Horizontal line on / off

Vertical lines on / off

Automatic levelling on / off – manual mode

On / off

The housing pivots for approximate alignment by hand



Shock-absorbent soft-grip casing

Pulsed laser lines: for precision work over long distances with STABILA line receivers (optional accessory for the LA 90 L)

Ergonomic hand-grip

Rotating knob for fine manual adjustments to the laser

Plumb beam exit window

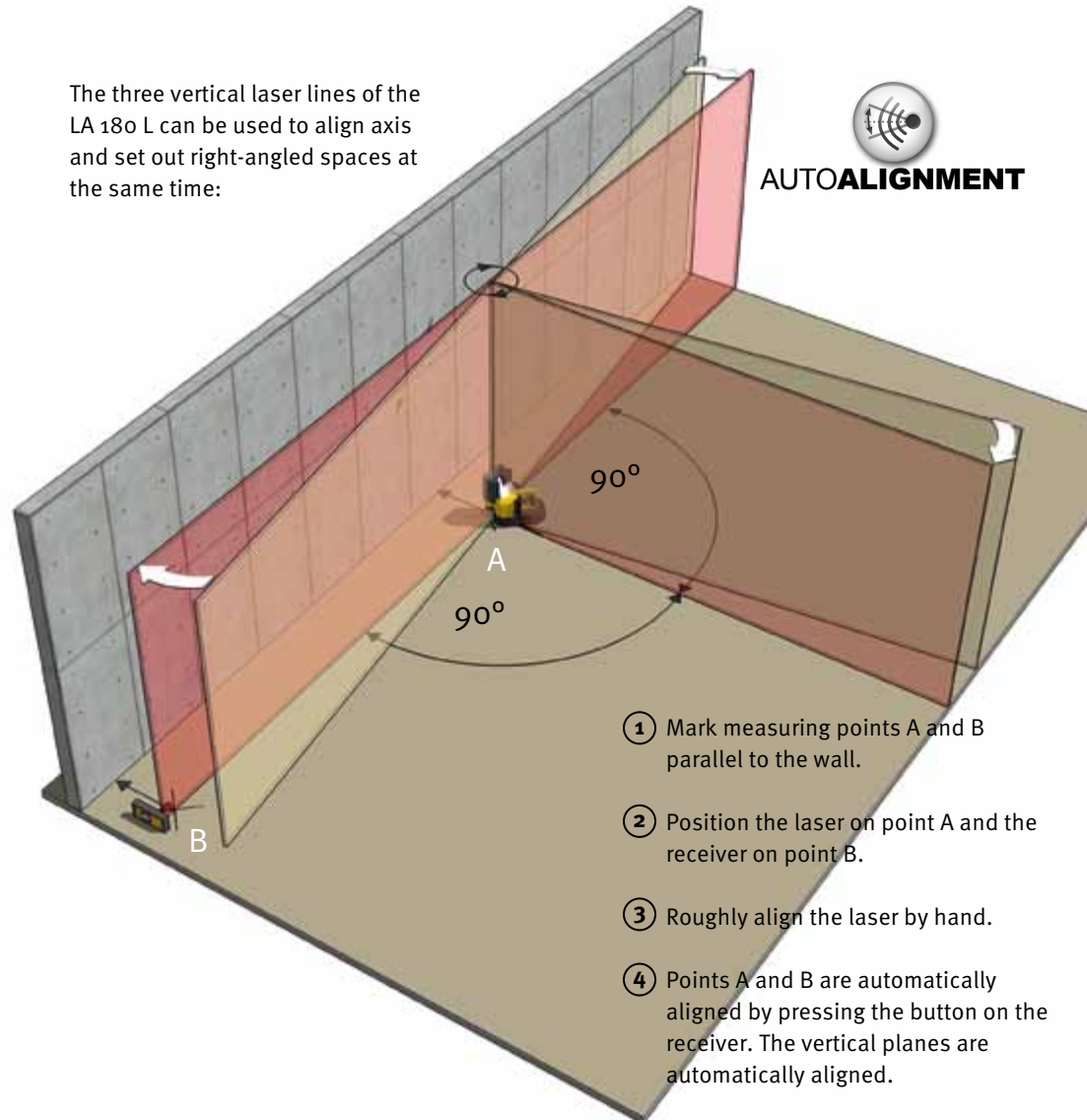
Battery drawer: for quick battery changes even when mounted directly on the tripod

5/8" threaded connection for connecting to the tripod

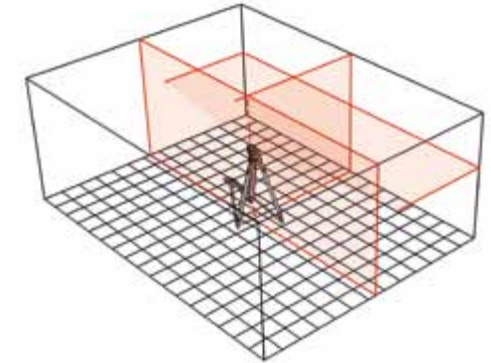


**LA 180 L: motor-driven self-levelling line laser. Layout right angles automatically – with the motor-powered fine adjustment in combination with the REC 410 Line RF receiver. Faster, more accurate, simpler.**

The three vertical laser lines of the LA 180 L can be used to align axis and set out right-angled spaces at the same time:



**For all indoor layout work and height transfers: increased productivity for dry-wallers, metalworkers, installation work and similar.**



LA 180 L: laser lines for a whole range of uses: 3 vertical lines, 1 horizontal line, plumb function.

**The REC 410 Line RF Receiver:** enables right angles to be set out. At the touch of a button. Fully automatic. Just 1 man needed.

**The REC 410 Line RF receiver uses wireless technology to control the LA 180 L laser. One press of a button is enough. The laser adjusts itself automatically.**







**Measuring heights in a flash: with the REC 410 Line RF Receiver you can also measure outdoors quickly and accurately. Distances of up to 100 m.**



▲ Measurably faster work – with the horizontal line and receiver. Indoors and outdoors.

► Its functionally shaped housing allows the laser to be easily positioned in corners. The right angle is rotated over the perpendicular reference point. No measurement errors caused by displacement of the reference point when aligning the laser.





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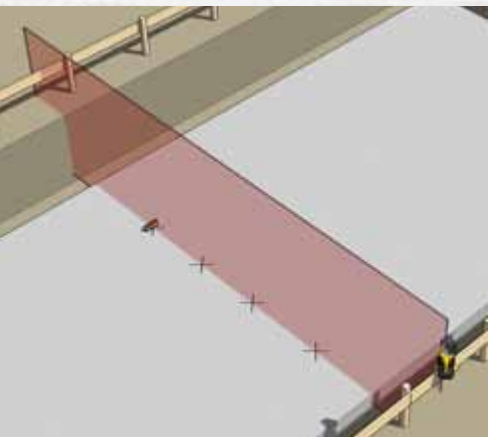
## The LA 180 L multi-line laser



The **adjustable bracket** allows the receiver to be quickly and securely fastened to the batter board.

**Transfer lines – from the batter board to the floor slab:** at the touch of a button the vertical laser line is 100 % automatically aligned over distances of up to 50 m. Marks can then be applied to the floor slab with the aid of the receiver.

**Only one man needed.** No backwards and forwards. No measurement errors. Time and money saved.



The STABILA LA 180 L multi-line laser in use outdoors – for increased efficiency and reduced costs. For use with masonry-work, reinforced concrete construction and timber frame construction. An essential partner for site supervisors.

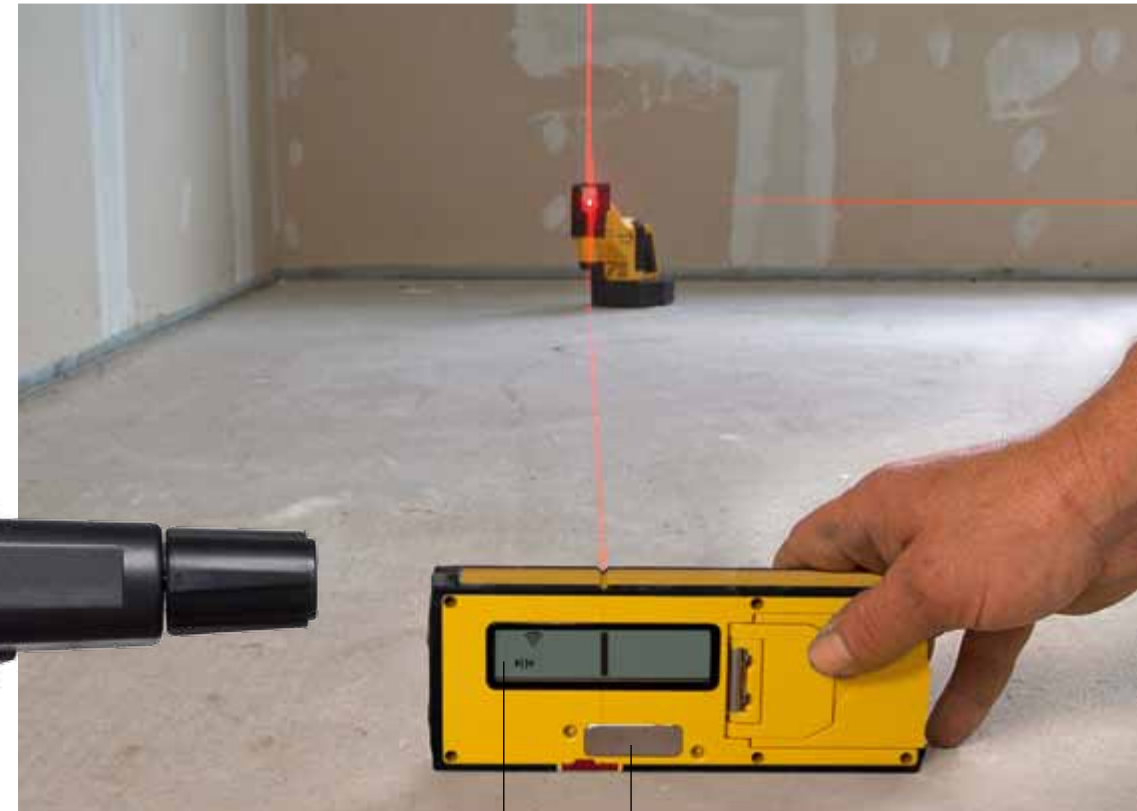




### The REC 410 Line RF Receiver

Specially developed for perfect teamwork with the LA 180 L laser. The receiver picks up the pulsed laser lines and automatically controls the fine adjustment of the laser. Ultra-simple – at the touch of a button.

- ❶ Vial
- ❷ 89 mm high laser receiving window
- ❸ Reference notch
- ❹ Fold-out reference notch
- ❺ Optical LED target guidance (red, orange, green)
- ❻ Easy to read digital display
- ❼ Accuracy level selection
- ❽ On / Off
- ❾ Volume selection
- ❿ Alignment button left/right
- ⓫ Automatic fine adjustment
- ⓬ Shock-absorbent soft-grip casing
- ⓭ The magnetic bracket can be fastened onto the receiver in two positions. For vertical and horizontal operation.



**Displays** on the front and rear – extremely practical!

**Connection point** for changing the position on the magnetic bracket



**Fold-out reference notch** for precise positioning of the receiver.

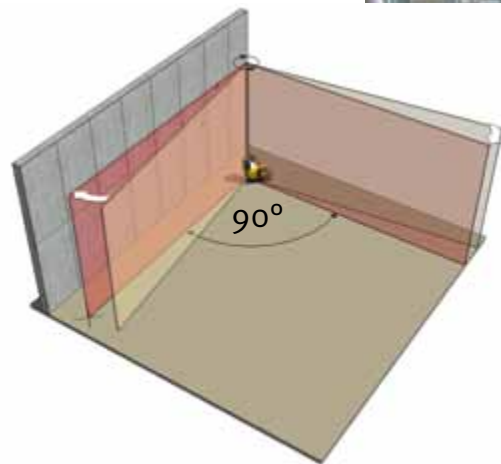


**Fold-out foot** for positioning the receiver on the ground.



▲ Transfer of the layout from the floor to walls and ceilings.

► The laser at work in dry-walling: U profiles are directly aligned with the laser line and fastened into place in a single step.



The LA 90 L: motor-driven, self-levelling line laser. For rapid and safe work with visible laser lines. Distances of up to 20 m.



MANUAL ALIGNMENT



◀ LA 90 L: the laser is manually swivelled onto the mark with the **control knob on the casing**, setting out the right angle.





LA 90 L: laser lines for a whole range of uses: 2 vertical lines, 1 horizontal line, plumb function.

**Sharp, clearly visible laser lines. For reliable height measurements. Or the simple transfer of datums into several rooms. For everyone who likes accuracy.**



▲ Range of the visible laser line: 20 m.

◀ The **functional shape of the housing** allows the laser to be easily positioned against the wall or in a corner. Perfect for setting out tiled areas.





## Multi-Line Laser LA 180 L



**The LA 180 L laser set, comprising:** Type LA 180 L multi-line laser, REC 410 Line RF receiver with bracket, laser goggles, 2 target plates, sturdy carrying case.

Laser class	Output	Laser wavelength	Self-levelling range horizontal	Levelling accuracy	Line straightness	Range of visible line	Range with receiver**	Batteries included	Battery run-time	Art. No.
2	< 1 mW	635 nm	approx. $\pm 5^\circ$	$\pm 0.07$ mm/m	$\pm 0.1$ mm/m	20 m*	Up to 100 m	4 x D 1.5 V	approx. 20 h	18044/7

\* Indoors in typical working conditions. \*\* In a straight line the range is up to 70 m and 30 m at an angle of  $45^\circ$  to the instrument's axis.



## Multi-Line Laser LA 90 L



**The LA 90 L laser set, comprising:** Type LA 90 L multi-line laser, laser goggles, 2 target plates, sturdy carrying case.

Laser class	Output	Laser wavelength	Self-levelling range horizontal	Levelling accuracy	Line straightness	Range of visible line	Batteries included	Battery run-time	Art. No.
2	< 1 mW	635 nm	approx. $\pm 5^\circ$	$\pm 0.07$ mm/m	$\pm 0.1$ mm/m	20 m*	4 x D 1.5 V	approx. 20 h	18043/0

\* Indoors in typical working conditions.



IEC 60825-1

### LA 90 L: optional accessories



The REC 210 Line receiver  
(Art. No. 16851).

### LA 90 L / LA 180 L: optional accessories



Battery unit: battery unit, power supply unit and adapter plugs for 4 countries (Art. No. 17934).

Our technical hotline will support you on all questions relating to product selection and use. Phone +49-6346-309-0. You can of course also email us at [info@stabila.de](mailto:info@stabila.de)