

MULTICROSS 3D BRAVE MULTICROSS 3D FLOOR

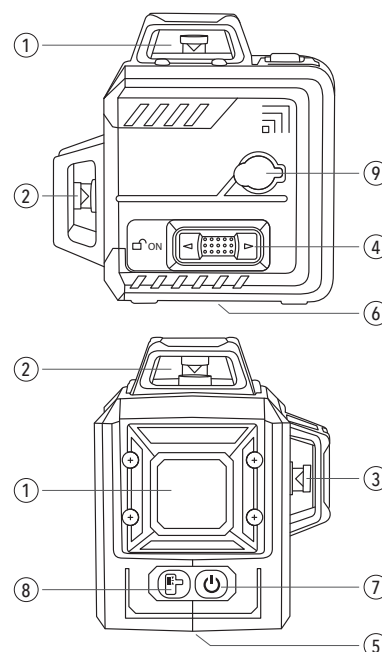
3D CROSS LASER



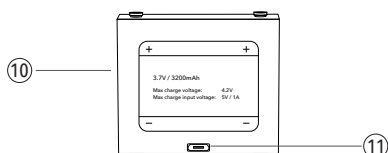
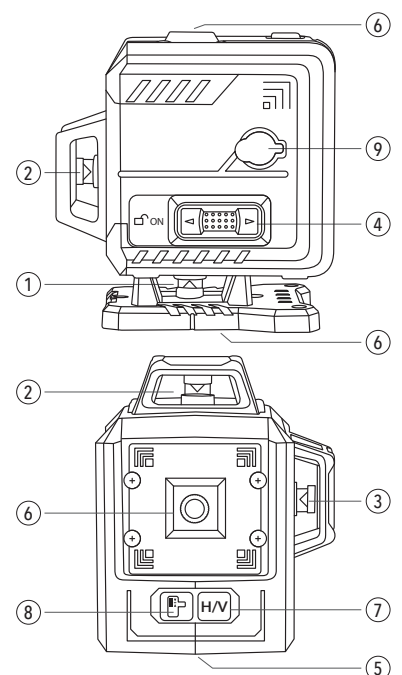
DESCRIPTION

1. Horizontal laserexit
2. Vertical laserexit (V1)
3. Vertical laserexit (V2)
4. Switch On/Off - Transportlock
5. Battery compartment
6. Tripot thread 1/4"
7. Line selection button
8. Receiver button
9. AC/DC socket
10. Li-ion battery
11. micro-USB connector

Multicross 3D Brave



Multicross 3D Floor



SAFETY

Use extreme caution when the laser beam is turned on.

Do not let the beam enter your eyes, another person's eyes or the eyes of an animal. Be careful that reflections of the beam (on a reflective surface) do not strike your eyes.

Do not aim the laser beam at any gas that may explode.

Please read the complete safety instructions in the booklet delivered with this device.

FIRST USE

Remove any protective films where applied.

Open the battery compartment [5] and insert the li-ion battery. (You can also use 4x AA alkaline batteries.) Please take care to respect the indicated polarity.

AC/DC SOCKET - POWER ADAPTOR AND BATTERY SYSTEM

The laser can be powered from main power directly when there is no battery inside the laser or when the li-ion batterie runs flat. Use the included power adaptor to provide continuous electricity to laser.

When connecting poweradaptor with AC/DC socket [9], power from li-ion battery will be cut off automatically. **When using the AC/DC socket [9], the li-ion battery is not charging!**

You can use the MC3D Brave also with 4x AA Alkaline batteries, simply by replacing the li-ion battery by 4x AA Alkaline batteries.

CHARGE LI-ION BATTERY

You can only charge the Li-ion battery by connecting the extra small cable to the adapter and plugging this cable in the micro-usb-connector of the li-ion battery.

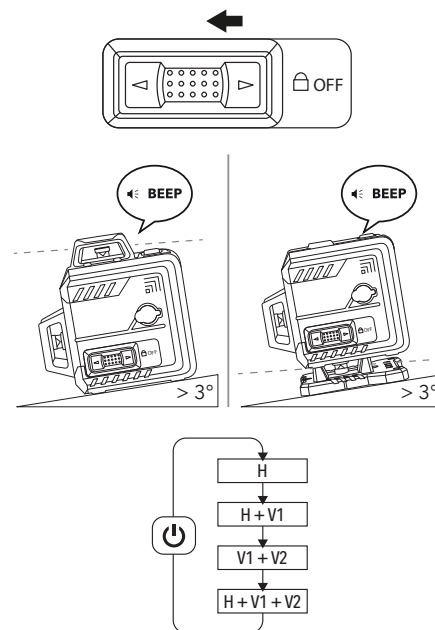
Only use the included charger to avoid damage.

HORIZONTAL AND VERTICAL ALIGNMENT

- Shift the On/Off-switch - Transportlock [4] to the left (two steps). The laser is switched on and the pendulum levelling mechanism is released. Only the horizontal laserline is activated when turning on the device.
The MC3D Brave is now able to align itself. Make sure the instrument is not placed on a surface with more than 3° slope. If the slope of the instrument exceed 3°, the device beeps and the laser lines will flash.
Please flatten the position of your laser device until the beep stops. The laser is now able to show automatically perfectly levelled laser lines (horizontal and vertical).
- You can switch on or off additional/other lines (horizontal and vertical) using the Line selection button [7].
- We advise to set the horizontal line on your working height.

NOTE

- CROSS LINE LASERS CAN ONLY BE USED ON TRIPODS WHICH ARE ADJUSTABLE IN HEIGHT, SUCH AS CRANKED OR TELESCOPIC TRIPODS.
- IF THE WORKPLACE IS VERY BRIGHTLY LIT, E.G. OUT DOORS, IT MAY BE NECESSARY TO USE A LASER RECEIVER.



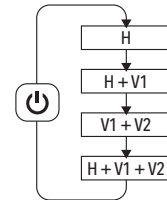
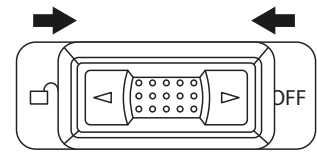
■ SLOPE MODE

It is possible to set slopes with the Multicross 3D Brave. In order to do this, you work with a blocked pendulum.

IMPORTANT:

Keep in mind that in this mode, the laser is no longer leveled automatically.

- Shift the On/Off-switch - Transportlock [4] to the center position (one steps). The laser is switched on and the pendulum is still blocked. Only the horizontal laserline is activated when turning on the device.
- You can switch on or off additional/other lines (horizontal and vertical) using the Line selection button [7].
- Turn the laser device until it shows laser lines with the slope you need. (We recommend to use a tripod with tilting head for this application).



■ RECEIVER MODE

When the environment is very brightly lit or you want to work on a larger distance (f.e. when working outside), you can use a receiver (not included).

- When the device is activated you can press the receiver button [8] to turn on the receiver mode (or pulse mode). By activating this mode, the laserlight will be a little less bright, because the laser light turns on and off very quickly at a frequency of 10KHz (pulsate). Receivers are able to detect this pulsating laserlines.

The MC3D brave projects laserlines of 515nm (green) at 10KHz. Please check the compatibility of your receiver.


■ MAINTENANCE

Repairs or services are not covered in this manual and should only be carried out by qualified trained technicians.

Periodically, wipe the body with a dry cloth. Do not use abrasives or solvents on this instrument.

For service, use only manufacturer's specified parts.

SPECIFICATIONS

Visibility	
Precision	2mm / 10m
Range (with receiver)	2x 50m
Dust and water tightness	IP54
Batteries	LI-ION (included) or 4x AA
AC power connector	✓
Levelling	Pendulum levelling
Plumb bob	✓
Number of laser dots per line	0
Number of 90° angles	4
Number of 45° angles	0
Revolutions per minute	Not applicable
Scan function	x
Wind function	x
Tilt function	x
Self-levelling range	±3°
Slope function	x
Maximum settable slope (X-axis/Y-axis)	+/- 45°
Remote control	x
Built-in screw for tripod	1/4
Pendulum lock (for manual slopes)	✓
Transport security for the pendulum	✓
Number of laser diodes	3
Laser frequency (in receiver mode)	10KHz
Laser class	Class 2 - 515NM - <1mW
AC power connector	✓
Charger integrated into AC power connector	✓

Futech is a registered brand of Laseto NV, Belgium.

Futech declares that the Multicross 3D Brave / Multicross 3D Floor is in conformity with the following standards:

- EN 61010-1: 2010

following the provisions of Directive:

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Tested by TMC Testing Services (Shenzhen)

Certificate number TMC200310101-S

