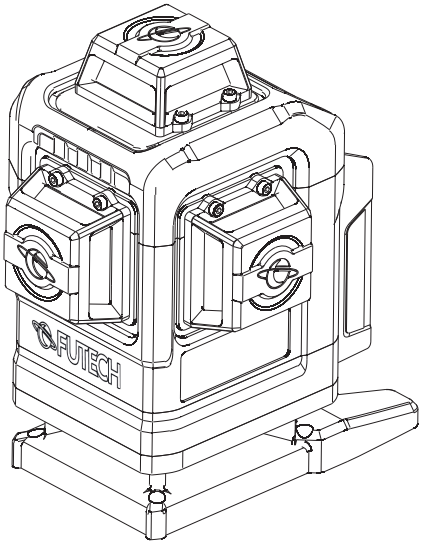
USER MANUAL

036.4DE MULTICROSS 4D ELECTRONIC 18V MAX GREEN



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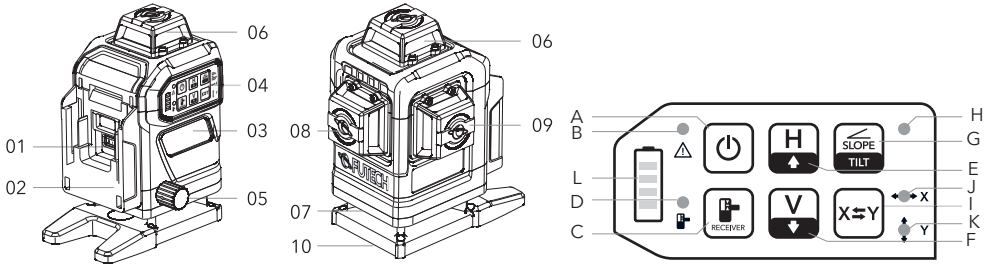
OVERVIEW



▪ LASER

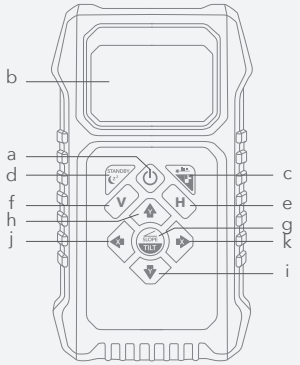
01 USB Type-C power connector
02 Battery adapter
03 Product name
04 Keypad
05 Fine adjustment wheel
06 Upper horizontal laser line
07 Bottom horizontal laser line
08 Front vertical laser line
09 Side vertical laser line
10 1/4" and 5/8" tripod tread

▪ KEYPAD

A Power button
B Power indicator LED
C Receiver mode button
D Receiver mode indicator LED
E Horizontal line / Move up button
F Vertical line / Move down button
G Slope button / Tilt button
H Slope indicator LED
I X/Y switch button
J X-axis indicator LED
K Y-axis indicator LED
L Battery indicator LEDS

■ REMOTE CONTROL

The remote control for this device is available as an optional accessory (item no. H036.RCO). However, its usage is included in this manual.



a Power button
b LCD screen
c Brightness/Receiver mode button
d Standby mode
e Horizontal line button
f Vertical line button
g Slope button / Tilt button
h Arrow up (Y-axis)
i Arrow down (Y-axis)
j Arrow left (X-axis)
k Arrow right (X-axis)

PAIRING THE REMOTE CONTROL

To pair the remote control with the laser, follow these steps:

- Turn on both the laser and the remote control.
- Press and hold the Receiver mode button **[C]** on the laser for 5 seconds until a beep sounds, the Receiver mode indicator LED **[D]** starts flashing.
- Press and hold the Standby mode button **[d]** on the remote control for 2 seconds until "Connecting..." starts flashing on the LCD screen **[b]**. The pairing process will now begin.
- Once the pairing is successful, a beep will sound, and the LCD screen **[b]** will display the laser's status.

SAFETY

Please read the safety instructions provided as separate booklet with the device.

LASER RADIATION – Class 2 Laser product. – Do not stare into beam

BATTERY

This device works with the 18V batteries of following brands:

Bosch, Dewalt, Festool, Hikoki, Makita, Metabo, Milwaukee.

NOTE

If the voltage drops below 14V, the device will stop operating. The Battery indicator LEDs **[E]** display the remaining power until the minimum level of 14V is reached.

▪ BATTERY CONNECTION

Before attaching the 18V battery to the device, ensure that all dust and sand are removed to prevent damage.

- Insert the Battery adapter **[02]** that is compatible with the brand of the battery you are using. The Battery adapter **[02]** is correctly placed when you hear a click upon attachment.
- Slide the 18V battery onto the newly installed Battery adapter **[02]**.

▪ CABLE CONNECTION

This device can also be used with mains power. To do so, use the included USB Type-C cable and power adapter and plug them into the USB Type-C power connector **[01]**.

Only use the supplied 5V 1A power adapter.

IMPORTANT

The power adapter can never be used in combination with a battery attached to the device and is intended solely for mains-powered operation. Neither the device nor the battery can or should be charged via the USB Type-C power connector **[01]**.

USE

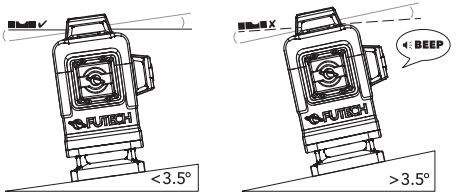
Before using the device for the first time, remove any protective films to ensure proper operation.

Press the Power button **[A]** on the laser to turn on the device. The laser lines that were active during the previous use will automatically be reactivated.

To turn on the remote control, press the Power button **[a]**. While connecting to the device, "CONNECTING..." will be displayed on the screen. Once the connection is established, the display will show the laser status.

▪ SELF LEVELLING MODE

After turning on the laser, it will automatically self-level within its leveling range of 3.5°.



· If the laser is placed on a sloped surface exceeding 3.5°, the laser lines will flash alternately along with the Warning LED [B], and a beeping sound will be heard. To stop this leveling alarm and allow the self-leveling function to operate correctly, place the laser on a more level surface.

After the leveling process is completed correctly, a countdown will begin to activate the tilt function. (See further in this manual for more details.)

▪ STANDBY MODE

Use the Standby mode button [d] on the remote control to put the laser in standby mode. In this mode, all laser lines will be turned off, but the device will retain all settings, such as slope adjustments.

NOTE

After reactivating the laser, we recommend checking your settings to prevent potential measurement errors.

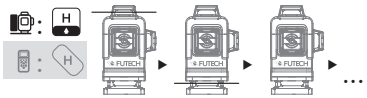
▪ HORIZONTAL AND VERTICAL LINES

Sometimes, you don't need all laser lines for your work, and activating only specific lines can be sufficient. Additionally, this helps extend battery life.

KEEP IN MIND

When slope mode is activated, laser lines cannot be turned on or off.

HORIZONTAL LINES

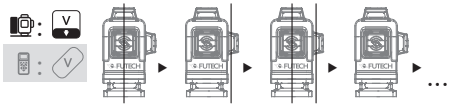


Press the Horizontal line / Move up button [E] on the laser or the Horizontal line button [e] on the remote control to activate the desired horizontal lines. The lines will toggle on and off in a cycle, as illustrated above.

NOTE

To prevent measurement errors, the Upper horizontal laser line [06] and the Bottom horizontal laser line [07] cannot be activated simultaneously.

VERTICAL LINES

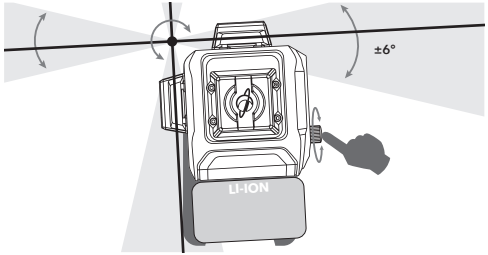


Press the Vertical line / Move down button [F] on the laser or the Vertical line button [f] on the remote control to activate the desired vertical lines. The lines will toggle on and off in a cycle, as illustrated above.

NOTE

The Front vertical laser line [08] and the Side vertical laser line [09] are aligned at a perfect 90° angle to each other.

FINE ADJUSTMENT



You can turn the Fine adjustment wheel [05] to precisely align the vertical laser lines in the correct position. The laser will rotate around the intersection of the Front vertical laser line [08] and the Side vertical laser line [09].

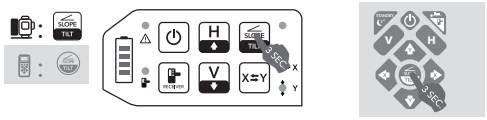
The total fine adjustment rotation range is approximately 6°. If you feel resistance while turning the wheel, you have likely reached the end of the adjustment range. Stop turning to avoid damaging the mechanism.

If further adjustment is needed, slightly reposition the device manually and restart the fine adjustment process.

TILT-MODUS

After the device is powered on and leveling is completed, a 60-second countdown to TILT mode will begin by default.

TILT mode prevents measurement errors caused by minimal movements of the device, such as sudden wind gusts or ground vibrations. Even minor impacts can cause the laser to shift slightly, leading to inaccurate measurements. TILT mode ensures that if movement is detected, the laser enters TILT Alarm, alerting the user of a potential measurement deviation.



ACTIVATING TILT MODE

To activate TILT mode, turn on the device in self-leveling mode. If TILT mode was previously

disabled, press and hold the Slope button / Tilt button [G] on the laser or the Slope button / Tilt button [g] on the remote control for a few seconds until a beep is heard.

Once leveling is completed, a 60-second countdown will begin. During this countdown:

- The Slope indicator LED [H] will blink green.
- The word "TILT" will flash on the LCD screen [b] of the remote control.

After 60 seconds:

- A beep will sound and TILT mode is now active.
- The Slope indicator LED [H] will remain solid green.
- The word "TILT" will stay constantly displayed on the LCD screen [b] of the remote control.

TILT ALARM – MOVEMENT DETECTED

If any movement affects the device (vibration, wind, shock, etc.), the laser will enter TILT Alarm mode. In this state:

- The active laser lines will start flashing.
- The Warning LED [B], Slope indicator LED [H], and X-axis indicator LED [J] and Y-axis indicator LED [K] will blink.
- A beeping sound will be heard.
- The LCD screen [b] of the remote control will display "TILT ALARM".

This means that an accurate measurement is no longer guaranteed. The user must reposition or check the laser before continuing work.

RESETTING THE TILT ALARM

To reset TILT Alarm, press and hold the Slope button / Tilt button [G] on the laser or the Slope button / Tilt button [g] on the remote control for a few seconds until a beep is heard. The laser lines and LED indicators will stop flashing, and the "TILT ALARM" message will disappear from the LCD screen [b].

After resetting, the laser will re-level and restart the 60-second countdown before reactivating TILT mode.

DISABLING TILT MODE

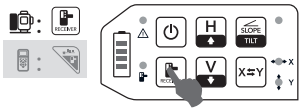
If desired, TILT mode can be completely disabled. To do this:

- Press and hold the Slope button / Tilt button [G] on the laser or the Slope button / Tilt button [g] on the remote control for a few seconds during the countdown or while TILT mode is active.
- A beep will confirm that TILT mode is deactivated.
- The "TILT" message will no longer be displayed

on the LCD screen [b] of the remote control.

▪ RECEIVER MODE

When the working environment is too bright to see the laser line with the naked eye, such as when working outdoors in sunlight, using a laser receiver can be beneficial.



ACTIVATING RECEIVER MODE

Press the Receiver mode button [C] on the laser or press and hold the Brightness/Receiver mode button [c] on the remote control for a few seconds to activate receiver mode.

When receiver mode is active:

- The Receiver mode indicator LED [D] will light up green.
- The LCD screen [b] of the remote control will display the receiver symbol.
- The laser line can now be detected by a compatible laser receiver.

DEACTIVATING RECEIVER MODE

Press the Receiver mode button [C] on the laser again or press and hold the Brightness/Receiver mode button [c] on the remote control for a few seconds to turn off receiver mode.

NOTE

When Receiver mode is active, the laser lines may appear less bright. This is because they flash at a very high speed, making them seem dimmer to the naked eye.
All FUTECH lasers operate at a frequency of 10 kHz in receiver mode. Only laser receivers capable of detecting 10 kHz are compatible.

▪ LASER LINE BRIGHTNESS ADJUSTMENT

Using the remote control, you can adjust the brightness of the laser lines. There are three levels available:

- 100% brightness
- 75% brightness at 33 kHz
- 45% brightness at 33 kHz

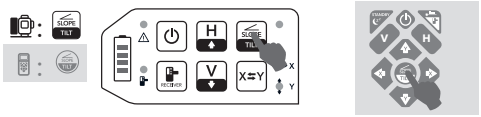
Press the Brightness/Receiver mode button [c] on the remote control briefly to adjust the laser line brightness.

NOTE

Reducing the brightness does not make the laser detectable by a laser receiver. The laser receiver will only function when Receiver mode is activated.

SLOPE MODUS

Thanks to the motorized leveling system, the laser can also project lines at an angle. This function is useful for applications such as sloped terraces or drainage setups.

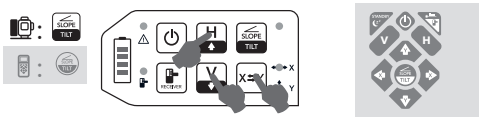


- Turn on the laser using the Power button [A] on the laser.
- Press the Slope button / Tilt button [G] on the laser or the Slope button / Tilt button [g] on the remote control briefly to activate Slope mode.
- The Slope indicator LED [H] will start flashing red. The X-axis indicator LED [J] or Y-axis indicator LED [K] will flash, indicating which axis is currently adjustable.

NOTE

Self-leveling is now deactivated, meaning the projected laser lines are no longer guaranteed to be level.

SET SLOPE USING THE LASER KEYPAD



- To adjust the first active axis (e.g., the X-axis), press the Horizontal line / Move up button [E] or Vertical line / Move down button [F] to set the laser line into the desired position.
- To switch between axes, press the X/Y switch button [I]. The corresponding indicator LED will change to the other axis, allowing adjustments to the second axis.
- To adjust the second active axis (e.g., the Y-axis), press the Horizontal line / Move up button [E] or Vertical line / Move down button [F] to set the laser line into the desired position.

Repeat the steps above until both the X-axis and Y-axis are set to your desired positions.

SET SLOPE USING THE REMOTE CONTROL

- To adjust the X-axis, use Arrow left [j] of the remote control or Arrow right [k] of the remote control to tilt the laser to the desired position.
- To adjust the Y-axis, use Arrow up [h] of the remote control or Arrow down [i] of the remote control to tilt the laser to the desired position.

DEACTIVATE SLOPE (RETURN NO AUTO LEVELLING)

To reactivate self-leveling mode, press the Slope button / Tilt button [G] on the laser or Slope button / Tilt button [g] on the remote control briefly.

- The laser will re-level itself automatically.
- The X-axis indicator LED [J] and Y-axis indicator LED [K] will flash during the leveling process.
- The LCD screen [b] of the remote control will display “LEVELLING...”.
- Once leveling is complete, the LED indicators stop flashing, and the remote control screen will show “LEVELLED”.

BATTERY ADAPTERS

Battery adapters are needed to use the laser with an 18V battery.

Compatible with Bosch:	Art. H036.BOS
Compatible with Dewalt:	Art. H036.DEW
Campatible with Festool:	Art. H036.FES
Compatible with Hikoki:	Art. H036.HIK
Compatible with Makita:	Art. H036.MAK
Compatible with Metabo:	Art. H036.MET
Compatible with Milwuakee:	Art. H036.MIL

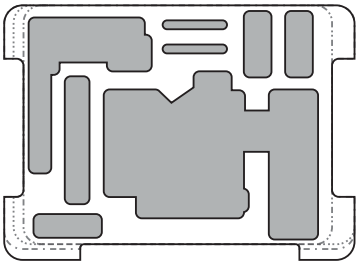
All battery adapters are sold separately.

The brands Bosch, Dewalt, Festool, Hikoki, Makita, Metabo, and Milwaukee are not owned by Futech (Laseto NV). Brands and images of batteries from third-party companies are shown solely to indicate compatibility with the Futech Multicross 3D 18VMAX.

ADJUSTABLE INNER FOAM

You can adjust the foam to fit in the cases of some other brands.

- Use for example a insulating knife to cut off the indicated parts.



Cut here for Makita
Cut here for Metabo
Cut here for Hikoki

CE

DECLARATION OF CONFORMITY

Futech (Belgium) declares under its own responsibility that this device:

- 036.4DE, MULTICROSS 4D ELECTRONIC 18V MAX

is in conformity with the standards

EMC DIRECTIVE 2014/30/EU:
- EN IEC 61326-1: 2021

Lier, Belgium,
March, 2025
Patrick Waûters

TECHNICAL SPECIFICATIONS

	036.4DE MC4DE 18V MAX
Visibility	
Accuracy	± 1mm / 10m
Laser lines	Horizontal: 1x 360° Vertical: 2x 360°
Range with receiver	up to 70m
Levelling range	± 3.5°
Levelling	Motor levelling
Slope fucntion	Electronic (Motorized)
Tripod thread	1/4" & 5/8"
Laser wave lenght	505nm - 525nm, <1mW
Laser classification	Class 2
Power supply	18V battery pack or 5V USB-C adapter
Protection	IP54
Dimensions (l x w x h)	145 x 116 x 166 mm
Weight	0,686 kg
Operation temperature	−10°C ~ +40°C
Storage temperature	−20°C ~ +70°C

USER MANUAL

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