

Einhell TE-SM 36/210 Li

Einhell Power X-Change Cordless Miter Saw TE-SM 36/210 Li User Manual

Model: TE-SM 36/210 Li | Brand: Einhell

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, setup, and maintenance of your Einhell Power X-Change TE-SM 36/210 Li Cordless Miter Saw. As part of the Power X-Change series, this saw offers unparalleled flexibility and freedom from cords, making it ideal for various woodworking tasks, including miter and cross cuts, and even cutting parquet flooring to length.

Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its performance and lifespan.



Figure 1: The Einhell TE-SM 36/210 Li Cordless Miter Saw, a versatile tool for precise cuts.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or damage to the tool.

- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask.
- **Secure Workpiece:** Use the clamping device to firmly hold the workpiece in place before cutting.
- **Maintain a Clean Work Area:** Keep the work area free of clutter and well-lit.
- **Check Blade:** Ensure the saw blade is sharp, clean, and correctly installed before each use.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Disconnect Power:** Always remove the battery pack before making any adjustments, changing accessories, or storing the tool.
- **Dust Management:** Utilize the dust bag or connect to a dust extractor to minimize airborne dust.

3. SETUP

3.1 Battery Installation

The TE-SM 36/210 Li operates on the Einhell Power X-Change system, requiring two 18V batteries (36V total) for optimal performance. It is recommended to use at least two 2.5 Ah PXC Plus rechargeable batteries.

1. Ensure the saw is switched off.
2. Align the battery packs with the battery slots on the saw.
3. Slide the battery packs into the slots until they click securely into place.
4. To remove, press the release button on each battery and slide them out.

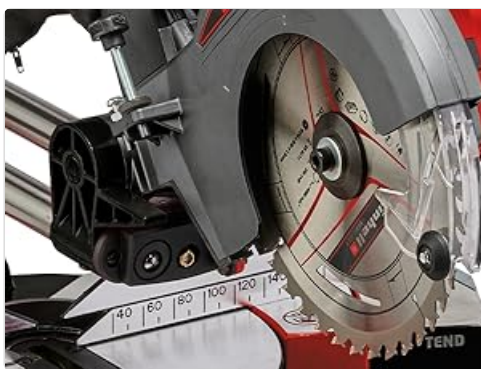


Figure 2: Proper installation of the Power X-Change batteries into the saw.

3.2 X-Tend Table Extension

The saw features X-Tend supports that can be adjusted with one hand and without tools, providing stable support for wider workpieces.

1. Locate the X-Tend supports on either side of the main table.
2. Pull the supports outwards to extend them to the desired length.
3. Ensure the workpiece is fully supported across the extended table for stability and accurate cuts.



Figure 3: Extending the X-Tend table for supporting longer workpieces.

3.3 Dust Collection

The saw comes with a sawdust bag and an adapter for connecting an external dust extractor, helping to keep your workspace clean.

- Attach the provided sawdust bag to the dust port at the rear of the saw.

- For more efficient dust extraction, connect a compatible dust extractor hose to the adapter.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To start the saw, press the main power switch. Release the switch to turn off the saw.

4.2 Using LED Light and Laser Line

The integrated LED light and laser line ensure precise cuts, even in challenging lighting conditions.

1. Locate the LED and Laser switches on the saw's handle.
2. Press the respective buttons to activate the LED light for illumination and the laser line for guiding your cut.



Figure 4: The laser line provides a clear guide for accurate cutting.

4.3 Adjusting Angle Cuts (Miter)

The turntable allows for precise angle adjustments for miter cuts, ranging from -47° to $+47^{\circ}$.

1. Loosen the locking mechanism for the turntable.
2. Rotate the turntable to the desired angle, indicated by the scale.
3. Securely tighten the locking mechanism before making a cut.



Figure 5: The turntable allows for precise angle adjustments for miter cuts.

4.4 Adjusting Bevel Cuts

The saw head can be tilted up to 45° to the left for bevel cuts.

1. Loosen the bevel adjustment knob.
2. Tilt the saw head to the desired angle.

3. Tighten the knob to lock the head in position.

4.5 Sliding Function

The smooth-running drag function is suitable for wider workpieces, allowing the saw head to slide forward and backward during the cut.

1. Ensure the workpiece is securely clamped.
2. Lower the saw blade slightly into the workpiece.
3. Push the saw head forward through the material, then pull it back to complete the cut.

4.6 Cutting Capacity

The cutting capacity varies based on the battery capacity and the material being cut. The Power X-Change system allows for different battery sizes to be used, affecting the number of cuts per charge.



Figure 6: Approximate cutting capacity for laminated wood (195 x 8 mm) per battery charge.

Performance de coupe maximale par charge de batterie

Stratifié 195 x 8 mm



Les appareils 36 V de la gamme Power X-Change fonctionnent également avec des batteries de tailles différentes. Dans ce cas, il faut prendre la capacité de la batterie la plus petite.

Figure 7: Approximate cutting capacity for square wood (60 x 60 mm) per battery charge.

For optimal results, it is recommended to use higher capacity Power X-Change batteries.

4.7 Product Video

Watch the official product video for a visual guide on the features and operation of the Einhell TE-SM 36/210 Li Cordless Miter Saw.

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Video: Demonstrating the features and use of the Einhell TE-SM 36/210 Li Miter Saw, including battery installation, X-Tend table, laser guide, and various cuts.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your miter saw.

- **Cleaning:** After each use, clean the saw thoroughly, especially around the blade area and dust port, to prevent sawdust buildup. Use a brush or compressed air.
- **Blade Replacement:** Replace worn or damaged saw blades promptly. Always use a blade compatible with the saw's specifications and intended material. Refer to the blade replacement instructions in the full manual for detailed steps.
- **Lubrication:** Periodically lubricate moving parts as recommended in the comprehensive manual to ensure smooth operation of the sliding mechanism and angle adjustments.
- **Storage:** Store the saw in a dry, secure location, out of reach of children.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your miter saw.

Problem	Possible Cause	Solution
Saw does not start.	Batteries not installed correctly or discharged.	Ensure batteries are fully charged and properly inserted.
Cuts are not straight or precise.	Dull blade, incorrect angle setting, or workpiece not secure.	Replace blade, re-check angle settings, and ensure workpiece is clamped firmly.
Excessive dust during operation.	Dust bag full or not properly attached; dust extractor not connected or clogged.	Empty dust bag, check connections, or clear any blockages in the dust extraction system.
Saw motor overheats.	Overloading the saw, continuous heavy use.	Allow the saw to cool down. Avoid forcing the blade through material.

If you encounter issues not listed here, please refer to the complete product manual or contact Einhell customer support.




7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	TE-SM 36/210 Li (4300880)
Voltage	36 Volts (2x 18V Power X-Change)
Power	144 Watts
Speed	1900 rpm
Blade Length	30 Centimeters
Product Dimensions (L x W x H)	78.2 x 53 x 49 cm
Weight	12.57 Kilograms
Special Features	Brushless motor, LED light, Laser line, X-Tend table supports
Components Included	Cordless sliding miter saw, precision carbide-tipped saw blade
Batteries Required	Yes (2x 18V Power X-Change, not included for main power; 2x LR44 for laser/LED)
Blade Material	Carbide
Recommended Surface	Wood

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Einhell website. For technical support, spare parts, or service inquiries, please contact Einhell customer service directly.
Spare parts availability: Information unavailable.
You can find more information and contact details on the official Einhell website:www.einhell.com

	<p>Einhell TE-AG 18/115-2 Li Akku-Winkelschleifer Bedienungsanleitung</p> <p>Die offizielle Bedienungsanleitung für den Einhell TE-AG 18/115-2 Li Akku-Winkelschleifer. Enthält wichtige Informationen zur sicheren Handhabung, technischen Daten und Wartung des kabellosen Winkelschleifers von Einhell.</p>
	<p>Einhell TE-AG 18/115 Li BL-Solo Cordless Angle Grinder Operating Instructions</p> <p>Comprehensive guide for the Einhell TE-AG 18/115 Li BL-Solo Cordless Angle Grinder, covering safety, operation, maintenance, and technical specifications.</p>
	<p>Einhell TC-SM 2131/2 Dual: Originalbetriebsanleitung</p> <p>This manual provides essential operating instructions, safety guidelines, technical specifications, and maintenance information for the Einhell TC-SM 2131/2 Dual sliding mitre saw. Learn how to safely and effectively use your Einhell mitre saw for various cutting tasks.</p>
	<p>Einhell TC-SM 2131/2 Dual Sliding Mitre Saw: Official Operating Manual & Safety Guide</p> <p>Get the official operating manual for the Einhell TC-SM 2131/2 Dual sliding mitre saw. This guide covers safety instructions, setup, usage, and maintenance for woodworking professionals and DIY enthusiasts.</p>
	<p>Einhell TE-SM 36/10 L Li Cordless Drag, Crosscut, and Miter Saw - Operating Instructions</p> <p>Official operating instructions and user manual for the Einhell TE-SM 36/10 L Li cordless drag, crosscut, and miter saw. Includes safety information, technical specifications, and usage guidelines.</p>

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Umfassende Bedienungsanleitung für die Einhell TE-SM 36/210 Li Akku-Zug-Kapp- Gehrungssäge. Erfahren Sie alles über sichere Handhabung, technische Daten und Montage.