

# CORDLESS TRIM SAW DW935K2/DW936K2

## Congratulations!

You have chosen a DeWALT Power Tool. Years of experience, thorough product development and innovation make DeWALT one of the most reliable partners for professional Power Tool users.

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## Technical data

	DW935K2	DW936K2
Voltage	V 14.4	18
Max. power output	W 340	340
No load speed	min <sup>-1</sup> 3,000	3,200
Blade diameter	mm 136	136
Depth of cut	mm 41	41
Blade body thickness	mm 1.1	1.1
Blade bore	mm 10	10
Bevel angle adjustment	0 - 50°	0 - 50°
Weight (without battery pack)	kg 3.3	3.3

Battery pack	DE9091	DE9095
Voltage	V 14.4	18
Capacity	Ah 2.0	2.0
Weight	kg 0.7	0.7

Charger	DE9107	DE9108
Mains voltage	V 230	230
Charging time	h 1	1
Weight	kg 0.4	0.4

### Fuses:

Europe	230 V tools	10 Amperes, mains
U.K. & Ireland	230 V tools	13 Amperes, in plugs

The following symbols are used throughout this manual:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Denotes risk of electric shock.



Fire hazard!

## EC-Declaration of conformity



### DW935K2/DW936K2

DeWALT declares that these Power Tools have been designed in compliance with: 89/392/EEC, 89/336/EEC, 73/23/EEC, EN 50144, EN 55104, EN 55014, EN 61000-3-2 & EN 61000-3-3.

For more information, please contact DeWALT at the address below or refer to the back of the manual.

Level of sound pressure according to 86/188/EEC & 89/392/EEC, measured according to EN 50144:

	DW935K2	DW936K2
L <sub>PA</sub> (sound pressure) dB(A)*	84.4	83
L <sub>WA</sub> (acoustic power) dB(A)	92	91

\* at the operator's ear



Take appropriate measures for the protection of hearing if the sound pressure of 85 dB(A) is exceeded.

Weighted root mean square acceleration value according to EN 50144:

DW935K2	DW936K2
< 2.5 m/s <sup>2</sup>	< 2.5 m/s <sup>2</sup>

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## Safety instructions

When using Power Tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place!

### General

#### 1 Keep work area clean

Cluttered areas and benches can cause accidents.

#### 2 Consider work area environment

Do not expose Power Tools to humidity.

Keep work area well lit. Do not use Power Tools in the presence of inflammable liquids or gases.

#### 3 Guard against electric shock

Prevent body contact with earthed surfaces (e.g. pipes, radiators, cookers and refrigerators).

For use under extreme conditions (e.g. high humidity, when metal swarf is being produced, etc.) electric safety can be improved by inserting an isolating transformer or a (FI) earth-leakage circuit-breaker.

#### 4 Keep children away

Do not let children come into contact with the tool or extension cord. Keep all people away from the work area.

#### 5 Store idle tools

When not in use, Power Tools must be stored in a dry place and locked up securely, out of reach of children.

#### 6 Dress properly

Do not wear loose clothing or jewellery.

They can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.

#### 7 Wear safety goggles

Also use a face or dust mask in case the operations produce dust or flying particles.

#### 8 Beware of maximum sound pressure

Take appropriate measures for the protection of hearing if the sound pressure of 85 dB(A) is exceeded.

#### 9 Secure workpiece

Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.

#### 10 Do not overreach

Keep proper footing and balance at all times.

#### 11 Stay alert

Watch what you are doing. Use common sense. Do not operate the tool when you are tired.

#### 12 Remove adjusting keys and wrenches

Always check that adjusting keys and wrenches are removed from the tool before operating the tool.

#### 13 Use appropriate tool

The intended use is laid down in this instruction manual. Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it was intended.

**Warning!** The use of any accessory or attachment or performance of any operation with this tool, other than those recommended in this instruction manual may present a risk of personal injury.

#### 14 Maintain tools with care

Keep the tools in good condition and clean for better and safer performance. Follow the instructions for maintenance and changing accessories. Inspect the tool cords at regular intervals and, if damaged, have them repaired by an authorized DeWALT repair agent. Keep all controls dry, clean and free from oil and grease.

#### 15 Check for damaged parts

Before using the tool, carefully check it for damage to ensure that it will operate properly and perform its intended function.

Check for misalignment and seizure of moving parts, breakage of parts and any other conditions that may affect its operation. Have damaged guards or other defective parts repaired or replaced as instructed. Do not use the tool if the switch is defective. Have the switch replaced by an authorized DeWALT repair agent.

**16 Remove the battery pack**

Remove the battery pack when not in use, before servicing and when changing accessories.

**17 Have your tool repaired by an authorized DeWALT repair agent**

This Power Tool is in accordance with the relevant safety regulations. To avoid danger, electric appliances must only be repaired by qualified technicians.



Use only with DeWALT battery packs, others may burst, causing personal injury and damage



Do not expose to water



Have defective cords replaced immediately



Charge only between 4 °C and 40 °C



Discard the battery pack with due care for the environment



Do not incinerate the battery pack



Fire hazard! Avoid metal short circuiting the contacts of a detached battery pack (e.g. keys carried in the same pocket as a battery pack).

- The battery fluid, a 25-30% solution of potassium hydroxide, can be harmful. In case of skin contact, flush immediately with water. Neutralize with a mild acid such as lemon juice or vinegar. In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.
- Never attempt to open a battery pack for any reason.

**Labels on charger and battery pack**

In addition to the pictographs used in this manual, the labels on the charger and the battery pack show the following pictographs:



Battery charging



Battery charged



Battery defective



Do not probe with conductive objects



Do not charge damaged battery packs



Read instruction manual before use

**Additional safety rules for circular saws**

**When sawing**

- Remove all nails and metal objects from the workpiece before starting work.
- Do not attempt to saw extremely small workpieces.
- After switching OFF, never attempt to stop the saw blade by pressing against the side of the blade.
- Never put the saw down on a table or work bench unless switched OFF.

**Operational protection devices**

- The circular saw must only be used for cutting wood or plastic.
- Ensure that all devices screening the saw blade are in perfect working order.
- Never jam the saw blade guards.
- Free a jammed saw blade guard immediately and do not use the saw if the guard is jammed.
- Do not remove the riving knife.
- The riving knife should be correctly set; the distance between the toothed rim and the riving knife should be max. 5 mm and the height difference between the riving knife and the toothed rim should be max. 5 mm (fig. E).

### Checking and changing the saw blade

- Only saw blades conforming to the specifications contained in these operating instructions may be used.
- Saw blades made of high alloy, high speed steel (HSS steel) should not be used.
- Only sharp saw blades in perfect working condition should be used; cracked or bent saw blades should be discarded and replaced at once.
- Ensure that the saw blade is securely fixed and rotates in the correct direction.

### Special applications

- When cutting narrow workpieces (width less than 80 mm) longitudinally, use a rip fence guide along the longitudinal edge.
- When sawing with the workpiece clamped tight, devices should be used to prevent the workpiece kicking back.
- When sawing circular sections of wood use a device to hold the workpiece steady on both sides of the saw blade to prevent slipping.
- Ensure that pieces of wood sawn off the workpiece cannot be caught up by the teeth of the saw blade and thrown in the air.

### Guard against kickback

- Kickback occurs when the saw begins to stall rapidly and is driven back towards the operator. Release the switch immediately if the blade sticks or the saw stalls.
- Keep the saw blades sharp.
- Supports large panels near the cutting area.
- Use a fence or straight edge guide when ripping; do not force the tool.
- Do not remove the saw from the work during a cut while the saw blade is rotating.

### Package contents

The package contains:

- 1 Cordless Trim Saw
- 1 Saw blade
- 1 Allen key
- 1 Parallel fence (DW936K2)
- 2 Battery Packs
- 1 Battery Charger
- 1 Kitbox

- 1 Instruction manual
- 1 Exploded drawing

- Check for damage to the tool, parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

### Description (fig. A)

Your DeWALT Cordless Trim Saw has been designed for professional sawing applications.

- 1 ON/OFF-switch
- 2 Lock-off button
- 3 Front handle
- 4 Blade lock button
- 5 Dust spout
- 6 Bevel adjustment knob
- 7 Kerf indicator
- 8 Riving knife
- 9 Blade clamping screw
- 10 Lower guard
- 11 Lower guard retracting lever
- 12 Shoe
- 13 Depth adjustment knob
- 14 Parallel fence (DW936K2)
- 15 Battery pack

### Charger

Your DeWALT 1 hour charger accepts DeWALT battery packs ranging from 7.2 to 14.4 V (DW935K2) or 7.2 to 18 V (DW936K2)

- 15 Battery pack
- 16 Release buttons
- 17 Charger
- 18 Charging indicator (red)

### Electrical safety

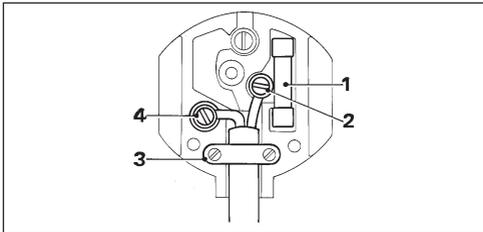
The electric motor has been designed for one voltage only. Always check that the battery pack power corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.



Your DeWALT charger is double insulated in accordance with EN 50144.

## Mains plug replacement (U.K. & Ireland only)

- Should your mains plug need replacing and you are competent to do this, proceed as instructed below. If you are in doubt, contact an authorized DeWALT repair agent or a qualified electrician.
- Disconnect the plug from the supply.
- Cut off the plug and dispose of it safely; a plug with bared copper conductors is dangerous if engaged in a live socket outlet.
- Only fit 13 Amperes BS1363A approved plugs fitted with the correctly rated fuse (1).
- The cable wire colours, or a letter, will be marked at the connection points of most good quality plugs. Attach the wires to their respective points in the plug (see below). Brown is for Live (L) (2) and Blue is for Neutral (N) (4).
- Before replacing the top cover of the mains plug ensure that the cable restraint (3) is holding the outer sheath of the cable firmly and that the two leads are correctly fixed at the terminal screws.



Never use a light socket.  
Never connect the live (L) or neutral (N) wires to the earth pin marked E or  $\perp$ .

## Using an extension cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see technical data). The minimum conductor size is 0.5 mm<sup>2</sup>; the maximum length is 30 m.

## Assembly and adjustment



- Prior to assembly and adjustment, always remove the battery pack.
- Always switch OFF the tool before inserting or removing the battery pack.

## Battery pack (fig. A)

### Charging the battery pack

When charging the battery pack for the first time, or after prolonged storage, it will only accept an 80% charge. After several charge and discharge cycles, the battery pack will attain full capacity. Always check the mains prior to charging the battery pack. If the mains is functioning but the battery pack does not charge, take your charger to an authorised DeWALT repair agent. Whilst charging, the charger and the battery pack may become warm to touch. This is a normal condition and does not indicate a problem.



Do not charge the battery pack at ambient temperatures <4 °C or >40 °C.  
Recommended charging temperature: approx. 24 °C.

- To charge the battery pack (15), insert it into the charger (17) as shown and plug in the charger. Be sure that the battery pack is fully seated in the charger. The red charging indicator (18) will blink. After approx. 1 hour, it will stop blinking and remain on. The battery pack is now fully charged. The battery pack can be removed at any time or left in the connected charger indefinitely.

### Inserting and removing the battery pack

- Insert the battery pack into the grip until it clicks in place.
- To remove the battery pack, press the two release buttons (16) simultaneously and pull the pack out of the grip.

### Depth of cut adjustment (fig. A & B)

- Loosen the depth adjustment knob (13).
- Move the shoe (12) to obtain the correct depth of cut.
- Tighten the depth adjustment knob (13).



For optimal results, allow the saw blade to protrude from the workpiece by about 3 mm (see inset in figure B).

**Bevel adjustment (fig. A & B)**

The bevel angle can be adjusted between 0° and 50°.

- Loosen the bevel adjustment knob (6).
- Set the bevel angle by tilting the saw shoe (12) until the mark indicates the desired angle on the scale.
- Tighten the bevel adjustment knob (6).

**Shoe adjustment for 90° cuts (fig. A)**

- Adjust the saw to 0° bevel.
- Retract the blade guard using the lever (11) and place the saw on the blade side.
- Loosen the bevel adjustment knob (6).
- Place a square against the blade and shoe to adjust the 90° setting.
- Loosen the hex nut with a wrench and move the adjustment screw so that the shoe will stop at the proper angle. Secure the screw by tightening the hex nut.
- If necessary, reset the pointer to "0"-position.

**Replacing the saw blade (fig. C & D)**

- Engage the blade lock button (4) and unscrew the blade clamping screw (9) by turning clockwise using the Allen key supplied with the tool.
- Retract the lower blade guard (10) using the lever (11) and replace the blade. Reinstall the washers (19 & 20) in the correct position.
- Check the direction of rotation of the blade.
- Thread on the blade clamping screw (9) by hand to hold the washer in position. Turn counterclockwise.
- Press the blade lock button (4) while turning the spindle until the blade stops rotating.
- Tighten the blade clamping screw firmly using the Allen key.

**Adjusting the riving knife (fig. E)**

For the correct adjustment of the riving knife (8), refer to the inset in figure E. Adjust the clearance of the riving knife after changing the saw blade or whenever necessary.

- Adjust the depth of cut to 0 mm to access the fasteners of the riving knife.
- Loosen the fasteners and pull out the riving knife to its maximum length.
- Adjust the clearance and tighten the fasteners.

**DW936K2 - Fitting the parallel fence (fig. F)**

- Fit the parallel fence (14) as shown.

**Instructions for use**

- Always observe the safety instructions and applicable regulations.
- Apply only a gentle pressure to the tool and do not exert side pressure on the saw blade.
- Avoid overloading. Should the tool become hot, let it run a few minutes under no load condition.

**Prior to operation:**

- Make sure your battery pack is (fully) charged.
- Make sure the guards have been mounted correctly. The saw blade guard must be in closed position.
- Make sure the saw blade rotates in the direction of the arrow on the blade.
- Do not use excessively worn saw blades.

**Switching ON and OFF (fig. A)**

For safety reasons the ON/OFF-switch (1) of your Trim Saw is equipped with a lock-off button (2).

- Press the lock-off button to unlock the tool.
- To run the tool, press the ON/OFF-switch. As soon as the ON/OFF-switch is released the lock-off switch is automatically activated to prevent unintended starting of the machine.



Do not switch the tool ON or OFF when the saw blade touches the work piece or other materials.

**Holding and guiding the Trim Saw (fig. A)**

- Hold your DeWALT Power Tool by the main grip and the front handle (3) to guide the saw properly.
- For optimum results, clamp the workpiece bottom up.
- Use the kerf indicator (7) to follow the line drawn on the workpiece. The kerf indicator lines up with the left (outer) side of the saw blade.