

**Makita**

# 18Vx2 Brushless AWS Plunge Cut Circular Saw

DSP601



**18Vx2 18V + 18V 36V**  
**BRUSHLESS**

## WIRELESS, ON DEMAND, DUST EXTRACTION

Makita's Auto-start Wireless System (AWS) has modernised on-demand dust extraction to meet the needs of cordless power tool users. AWS allows you to work with maximum efficiency, without the hazard of dust & leads. Featuring our legendary cordless technology, the AWS range has the power, speed & runtime to keep you ahead of the game.





**18Vx2 18V + 18V 36V**

# **BRUSHLESS**

## **CUT THE CORD, NOT THE POWER.**

Cut the cord and not the power with our 18Vx2 range of power tools. Our 18Vx2 range offers more power, speed and run-time without the hassles of a cord. The best part is our 18Vx2 lineup is fully compatible with all LXT® batteries and chargers. Tough out bigger jobs with 18Vx2 tools and go back to work with any of our 130+ LXT® solutions.

**Makita**  
**BL**  
MOTOR  
LXT 18V 18V 36V

# Product Objectives

- Designed to deliver precise and smooth cutting and when combined with an optional guide rail system the saw produces highly accurate cuts
- Engineered for cutting sheet material, finish work and trim work. It is ideal for a broad range of trades, including cabinet installers, and manufacturers, finish carpenters, stair installers, flooring installers and woodworkers whilst leading the way in improved dust extraction technology



# Product Overview



Variable speed

Automatic torque drive

Brushless motor

18Vx2 Technology

Soft start

Electric brake

Depth stop

Bevel adjustment



# Product Specification Sheet



Cutting capacities at 0°	56mm
Cutting capacities at 45°	40mm
Cutting capacities at 48°	38mm
Bevel capacity	-1° - 48°
Blade diameter	165mm (6-1/2")
Bore diameter	20mm
No load speed	2,500 – 6,300rpm
Overall length	346mm
Skin Weight	4.5kg
Weight (with battery)	5.1kg
Voltage	36V (18Vx2)

- **Variable speed** – speed of blade rotation can be adjusted by turning the adjustment dial from 2,500 – 6,300rpm
- **Automatic torque drive** – automatically changes the cutting speed according to the load conditions. High speed in light material and high torque in hard material
- **Brushless motor** – provides more power to the motor whilst increasing runtime and durability
- **18Vx2 Technology** – high power is achieved by utilizing 18Vx2 technology, providing cutting performance same as that of the corded model
- **AWS** – Auto-Start Wireless System, allows the tool and compatible vacuum to run automatically while the switch trigger of the miter saw is being pulled
- **Soft start** – minimises start up shock and makes the tool start smoothly
- **Electric brake** – quickly slows the wheel rotation to a complete stop after the switch has been disengaged
- **Depth stop** – large depth scale allows user to easily set the lower limit of the blade depth
- **Bevel adjustment** – able to set the desired angle from -1° to 48° with positive stops at 0°, 22.5° and 45°



# Advantages

## Power



Brushless motor and 18Vx2 technology combine to provide high performance

## Innovation



AWS delivers on demand dust extraction

## Accuracy



Straight or bevel cutting; blade enters material on the same cutting line

## Convenience



Close to wall cutting; only 18mm away from the wall



# Advantages

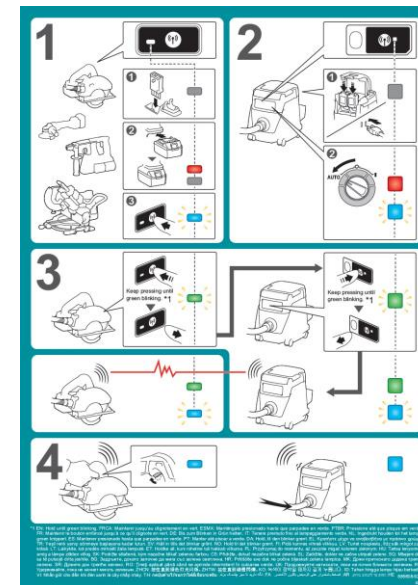
The DSP601 can pair to our 18Vx2 Brushless AWS Dust Extraction Vacuum (DVC864L) thanks to the new Auto-Start Wireless System.

This feature enables automatic start up of the vacuum when the trigger is pulled on the tool for on demand dust extraction.

The DVC864L will also run for several seconds after the trigger has been released to pull any remaining material completely through the hose.

## How to pair your tools

1. Turn the DVC864L power dial to "AUTO."
2. Press and hold the  button on the DSP601 for 3 seconds until the light flashes **Green**.
3. Press and hold the  button on the DVC864L for 3 seconds until the light flashes **Green**.
4. Lights will turn to flashing **Blue** when the two units are paired.



[Click Here for instructional video – Pairing Bluetooth Tools](#)



# Advantages






## Compatible with a range of accessories

The DSP601 has been designed to be used with Makita guide rails to produce highly accurate, smooth clean cuts.






Simply place the saw on the guide rail and slide the locking lever into place. Turn the two adjusting screws on the tool base so that the tool slides smoothly



# AWS Range

DVC864LZ	DSP601ZU	DGA512/DGA518	DLS111		DHR400
					
Type: Dry Only	Blade Diameter: 165mm	Blade Diameter: 125mm	Blade Diameter: 255mm		Chuck Type: SDS Max
Max Sealed Suction: 9.8 kPa	No Load Speed: 2,500 – 6,300rpm	No Load Speed: 3,000 – 8,500rpm	Max Cutting Capacity:	68 x 310mm 91 x 279mm	Impact Rating: 8j
Max Airflow: 2.1 m <sup>3</sup> /min	Max Cutting Capacity: 56mm	Variable Speed: Dial	Mitre Angle: 60° Left & Right		Max Capacity: 40mm
Suction Power: 90W	Bevel Adjustment: -1° - 48°	Electric Brake: Yes	Bevel Angle: 48° Left & Right		Drilling Modes: 2 Modes
Tank Capacity: 8L	Automatic Torque Drive: Yes	Automatic Torque Drive: Yes	Automatic Torque Drive: Yes		Vibration Rating: 5 m/s <sup>2</sup>
Weight: 8.4kg	Weight: 4.5kg	Weight: 3.1kg	Weight: 27.3 kg		Weight: 8.1 kg

# Our Range

	Makita – NEW DSP600	DHS710	DHS680	DSS610	DSS611
					
Cutting capacities at 0°	56mm	68.5mm	57mm	57mm	57mm
Cutting capacities at 45°	40mm	49mm	41mm	40mm	40mm
Cutting capacities at 50°	-	44mm	37mm	36mm	36mm
Bevel capacity	-1°- 48°	0°- 50°	0°- 50°	0°- 50°	0°- 50°
Blade diameter	165mm (6-1/2")	190mm (7-1/2")	165mm (6-1/2")	165mm (6-1/2")	165mm (6-1/2")
Bore diameter	20mm	20mm	20mm	20mm	20mm
No load speed	2,500 - 6,300rpm	4,800rpm	5,000rpm	3,700rpm	3,700rpm
Overall length	346mm	356mm	350mm	347mm	347mm
Skin Weight	4.5kg	4.1kg	2.7kg	2.6kg	2.5kg
Weight (with battery)	5.1kg	4.7kg	3.3kg	3.2kg	3.1kg
Voltage	36V (18V x 2)	36V (18V x 2)	18V	18V	18V



# Frequently Asked Questions

## How to adjusting the cutting depth?

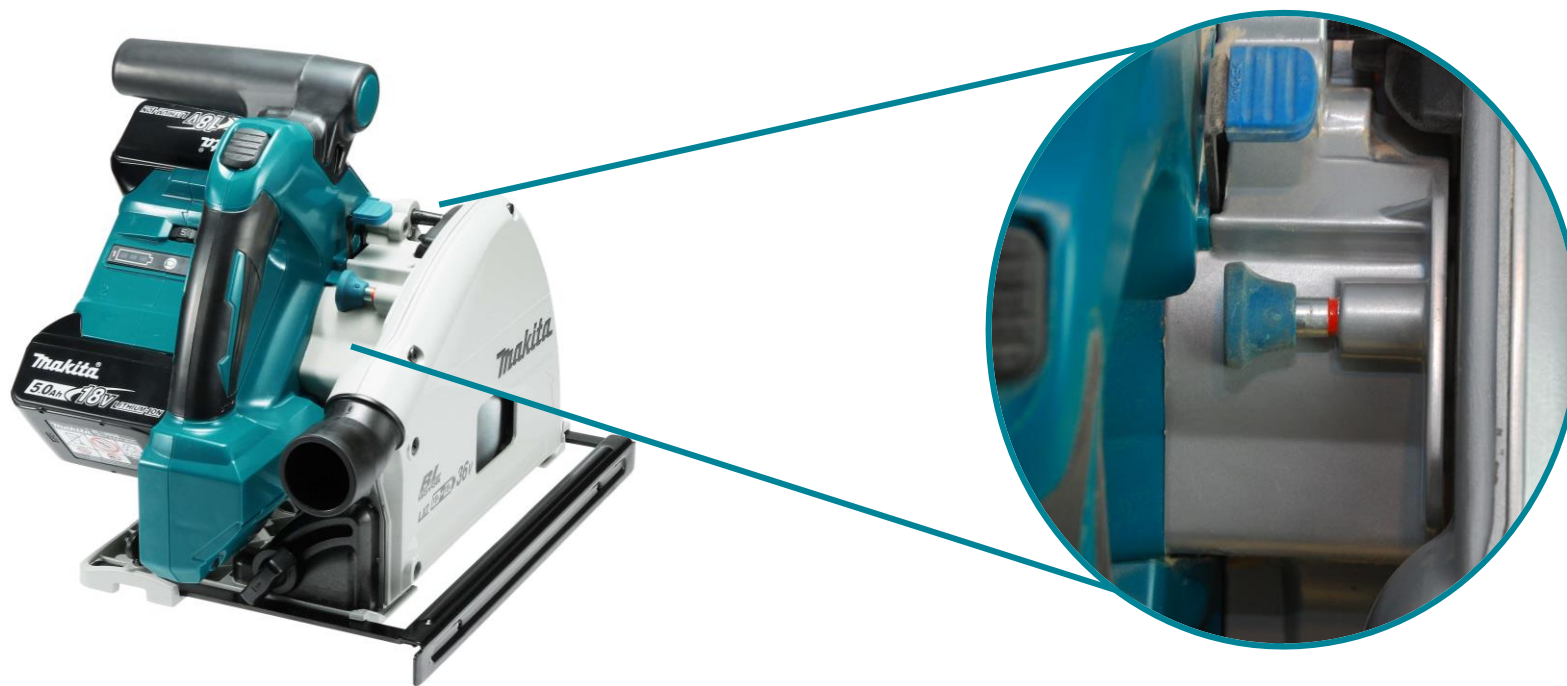
Loosen the clamping screw on the depth guide and move the blade stopper to the desired depth on the scale plate.



# Frequently Asked Questions

## How to set the quick stop depth guide?

The tool has a quick stop button for 3mm depth cuts aside the rear handle. This is used when avoiding splintering on the workpiece in the cut. Make a pass of 2-3mm for a first cut and then make another pass at cutting depth.

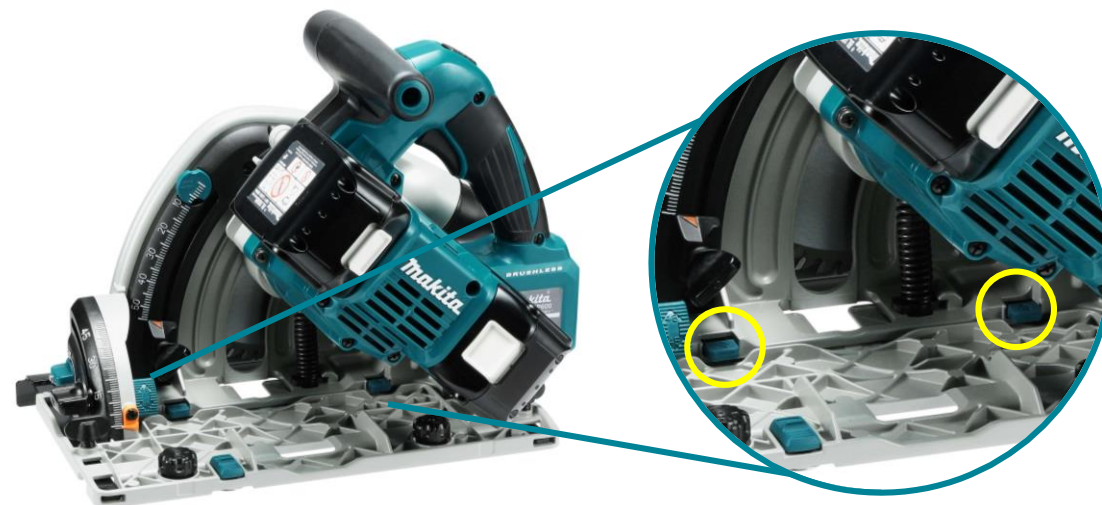
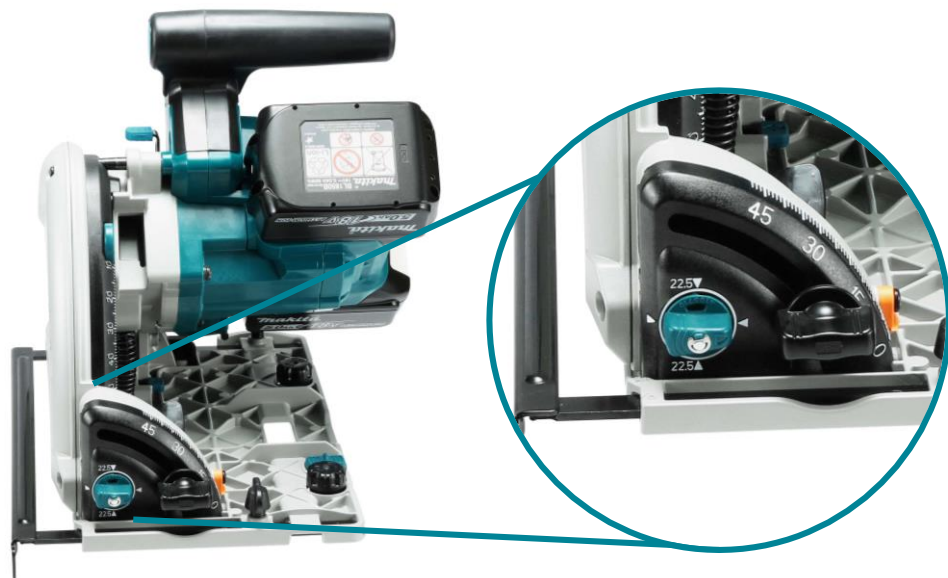


# Frequently Asked Questions

## How to adjust the saw for bevel cutting?

Loosen the clamping screws on the front and back. Tilt the saw to the desired angle and tighten clamping screws. The positive stopper on the front clamp will stop the saw at 22.5° and 45°

To perform a -1° cut, loosen the clamping screws and press the levers towards the direction of the arrow on the lever. Then set the bevel angle to -1° and tighten the clamping screws





# Frequently Asked Questions

## How to remove the blade?

Depress the lock-off button and lower the handle a short way. Turn the locking lever and lower the handle until the lock pin locks in. The hex bolt is now visible and can be removed to change the blade





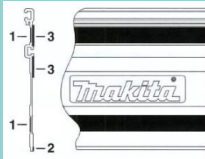




# Accessories

## Standard Accessories

	B-57358	TCT saw blade 165mm (56T)
	783203-8	Hex wrench 5
	821552-6	Plastic carrying case (stackable, type 4)
	837945-7	Plastic Insert
	198901-5	Wireless Unit

## Optional accessories

	194368-5 194925-9 194367-7	<b>Aluminium guide rail</b> 1,400mm 1,900mm 3,000mm
	P-67810	<b>Protective guide rail holder</b> ( suits 2 x 1400 rails with storage for 2 clamps )
	194385-5	<b>Clamp set to suit guide rails</b>
	196664-7	<b>Bevel Guide set to suit guide rails</b>
	413102-7 423360-7 423362-3	<b>Guide rail replacement strips</b> Type 1 – 3m running strips Type 2 – 3m splinter guide Type 3 – 3m guide rail seat
	P-45777 P-20177	<b>Guide rail joiner</b> 1 joiner set 2 joiner sets
	B-15528 B-15534 B-15540 B-20971	<b>165mm plunge cut saw blade</b> 165x20x28T - Wood 165x20x48T – Wood 165x20x56T – Aluminium 165mm x20x4T -Fibre cement