



Lithium Polymer Battery Microbar – Datasheet



Features

- Lightweight design – up to 80% lighter than a SLA battery
- Flat discharge curve – light will operate at full power with no light degradation
- Fuel gauge – Displays battery status
- No-memory effect – such as you get with Ni-Cad battery
- Protected against: Overcharge, over temperature, over current, deep discharge and short circuit
- Supplied with; AC mains charger (UK and EURO plug), DC vehicle charger
- 2.5 hour operation upon full charge

Recharging – AC Mains Charger



1. Plug the charger into the AC mains – the LED light will glow GREEN on the charger plug
2. Plug the charger lead firmly into the charger port on the microbar – the LED light on the charger will change to RED to indicate charging
3. When the LED light changes back to GREEN then the battery pack is fully charged
4. Disconnect the charger from the charging port on the microbar and from the AC mains
5. DO NOT leave the charger connected to the battery for long periods after the battery is charged

Recharging – DC Vehicle Charger



1. Plug the cigar charger into the vehicle 12v socket (do not charge on 24v system) – the GREEN LED should illuminate
2. Plug the charger lead into the charger port on the microbar – the RED LED will illuminate when the battery is charging
3. The RED LED will change to GREEN when the battery is fully charged
4. Disconnect the charger from the microbar charging port and from the vehicle 12v socket
5. It is recommended that the engine of the vehicle is running if a more rapid charge is needed





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Standby feature

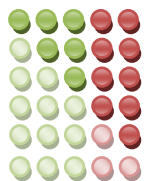
To conserve battery life there is a standby switch on the underside of the microbar. Putting the microbar in 'standby' will automatically draw current and therefore will slowly discharge the battery whether the lights are illuminated or not.



Fuel Gauge Operation



IMPORTANT: The battery fuel gauge is a guide only it is not a digital monitor and therefore is only classed as a basic indication to the status of the battery within the Microbar.



75-100% capacity: 3 green & 2 red

50-75% capacity: 2 green & 2 red

20-50% capacity: 1 green & 2 red

10-20% capacity: 2 red (Note: recharge battery as soon as possible)

Less than 10%: 1 red (Note: battery is about to electronically switch off to prevent discharge)

Empty: No lights (Note: Recharge within 12 hours)





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Technical Information

Dimensions	255mm x 179mm x 55mm (including magnets)
Voltage	12v
Light Output	400 lumens (Amber) // 270 lumens (Blue)
Battery Capacity	4Ah
Weight	1605g
Charging time	4-6hours
Performance	2.5 hour microbar operation
Flash Pattern	Double flash only (ECER65)
Speed Test	DEKRA 153mph
Warranty	5 years (microbar) 1 year (battery)

Warning

- DO NOT dispose of in normal household refuse
- DO NOT attempt to dismantle the microbar
- DO NOT short circuit the battery – it could overheat and cause an explosion
- ONLY use the charger supplied with the battery pack
- The 12v light must have a normal length of coiled or straight lead. If the lead is shortened then the battery pack may shut down as the light will detect a short circuit
- The microbar will need to be charged fully before first use. If storing the microbar, store in a charged state. Recharge every 6 months.
- It is recommended to recharge the battery pack within 12 hours if fully discharged
- Excess heat will degrade the battery pack. Always store in a cool, dry place. DO NOT leave for long periods of time in the sun or in a hot vehicle
- The battery pack is splash proof, but not waterproof – do not immerse in water
- TRANSPORTATION: Only battery packs below 100Wh may be taken on passenger planes, consult the material safety data information from Redtronic prior to travel or transportation of batteries.

Warranty

The microbar has a 2 year standard warranty to cover led module and lens failure. The lifetime of the lithium polymer battery is designed to be fit for purpose and as the operation and longevity is solely based upon the user it is not covered under the overall product warranty. The battery can be replaced as a chargeable accessory.

Please consult the standard Redtronic warranty procedure for any warranty claims.

