



**CENTURION**  
**THE AUTOMATIC CHOICE**

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**Speed, Style, Simplicity!**

**Questions & Answers**



# D2 Turbo

## Questions & Answers



**1. When purchasing a D2 turbo Kit, what is included?**

**D2 Turbo**, 5Ah battery, 2 x four button NOVA remotes and four meter of RAZ or Nylon angle rack.

**2. Can I fit steel rack?**

We prefer nylon as it runs more quietly and is more cost effective, but you can still fit steel rack. Please make sure your rack mesh is within spec and your **D2 Turbo** is correctly aligned with the rack.

**3. Can I fit a 7Ah battery, or must it be the special 5Ah, which is not as common as the 7Ah?**

Yes you can fit a 7Ah battery to achieve even longer standby times during extended power outages. The 5Ah gives us the desired result and keeps the initial purchase price as low as possible.

**4. Why did CENTURION decide to have the charger on board? Does this mean that every time the charger fails we will have to pay for a new PCB?**

Making it one component means that the installer need now only carry one spare part for both PCB and charger replacements. The same applies to the motor and DOSS component.

The fact that we can now leave out the harness and connectors between the PCB and the charger means that the reliability of the product has increased, as bad connections between these two components are no longer possible.

CENTURION will charge one, low cost, flat rate for the Controller Module (including control, charger and receiver) and for the Motor Module (including the motor, magswitch sensor, encoder and replacement belt). The rate was calculated based on the incidences of replacement ratios between the parts that make up these components.

**5. If I replace the PCB do I have to reprogram the remotes?**

You can use the memory module that is available for the D5-Evo, D10 and SECTOR to make a backup of the memory. This module will not only restore your remotes but also your end limits and any special settings you had on the unit.

**6. Are the limits programmed in the same way as is done for a D5-Evo?**

Yes, with the only difference being that the gate must be in the closed position when you start the setup.

**7. Does the unit have a DOSS?**

Yes it does.

**8. How do I replace the DOSS if need be?**

The DOSS origin sensor and encoder is all part of the motor module and this again means one spare part for both the DOSS and the motor. The same philosophy will apply for repairs; you will only get billed for the individual part that is faulty on the module if it fails out of warranty.





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### 9. How do I remove the motor module?

It simply clips in and out of place. To remove it one needs to clip open the pulley guard, disengage the belt and then use a screwdriver to release the two clips. To put it back again one presses it down onto the gearbox until both clips click into place, refit the belt and clip the pulley guard closed.

### 10. Why is the motor so small? Will it be strong enough?

The unit has been engineered to use a high power, high speed motor to give optimal power and torque. This combined with a double stage reduction unit, results in an gate motor with an operating speed of 24 metres per minute and an output torque of up to 18kgf (starting) which will comfortably slide the average domestic gate.

### 11. How do I replace the brushes on the motor?

If a motor has worn out brushes you will need to replace the motor module. Because the motor is so small, and subsequently so well priced, the best option is actually to replace the entire module.

### 12. What is the expected brush life of the motor?

30 000 cycles (open + close = one cycle)

### 13. How many times a day can I open and close the gate?

Ten times, at a rated thrust of 9kgf, based on ten year life span. The motor can be run more frequently than this if required.

### 14. How many channels does the receiver have and can I do channel mapping i.e. button 4 for Trigger and button 1 for Pedestrian?

Three channels (Trigger, Pedestrian and Holiday Lockout) and yes you can map any button to any of the three functions or use the shift function i.e. button 4 and 1 combine to trigger Holiday Lockout Mode.

### 15. How many remotes can I programme?

32 transmitter buttons.

### 16. What do I do when I want to replace a D3 with a D2 Turbo? Will it fit on the same base plate?

You simply cut the D3 mounting bolts off and then use the **D2 Turbo** base plate as a template to weld the studs to the D3 base plate. If your D3 was bolted flat on to the base plate, you will have to move your rack up. If the D3 was raised slightly off the base plate you will have to use the **D2 Turbo's** jacking nuts (supplied with the unit) to adjust your clearance.





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**17. Seeing that the manual release is open and exposed can an intruder put his hand through the gate and release the gate?**

No. When you lock the cover in place you also lock the manual release.

**18. Why is the manual release exposed?**

When the home owner wants to release his gate he does not have to lift the cover. He just unlocks the unit and turns the manual release a quarter of a turn to release it. This is far more convenient. The manual release also has an anti-jamming feature, which means it is really easy to release the unit.

**19. Do you have any theft-resistant devices for the D2 Turbo?**

There are a couple of options. We have a special theft-resistant lock nut and padlock kit that helps to prevent somebody from stealing the complete unit. We also have a brushed 304 grade stainless steel cage that wraps around the front, back top and bottom of the operator and prevents the cover from being removed – this also helps to prevent unauthorized tampering or changing of the settings.

**20. Can somebody force the manual release and then push the gate open?**

In our tests we have found that if you attempt to force the manual release you will strip the outer part of the release thumb wheel, but the gate will not release.

**21. Can you adjust the speed on the D2 Turbo?**

Yes you can you have two settings Hi Speed (24m/min) and Low Speed (16m/min). The default setting is Hi Speed.

**22. Has the D2 Turbo been tested thoroughly?**

We have been testing the **D2 Turbo** in our factory from the beginning of 2010. Once we had completed the initial in house testing, we made 75 Alpha test units that were made and installed by the engineers. On completion of testing the Alphas we made a batch of 500 Beta test units, which were sold in October 2010. These have been in the field from then until now and we have had really good results.

The **D2 Turbo** PCB uses the same technology as the D5-Evo, albeit with a different user interface, which means that the controller technology is already proven in the field.

**23. What is the warranty on the D2 Turbo?**

As is the case with all CENTURION products, the **D2 Turbo** has a 24 month warranty.



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