

# Operation Manual

## ATV Winch

63491, 63492



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

## Safety instructions

- No persons or loads may be lifted over persons. The winch must not be used for lifting or suspending loads. The winch is only intended for pulling loads horizontally.
- Do not overload the winch. For loads over 450 kg, we recommend the use of pulleys and double cables.
- Do not use the winch with a heavy load for a long period, as this may damage the winch. If the motor becomes very hot, the winch must be switched off to allow it to cool down.
- Do not use the winch for more than 1 min at a time with or just below the rated load.
- Do not load the cable if there are less than 5 windings on the drum. Otherwise, the cable may come off the drum under load and cause damage and/or injury.
- Loads should not be pulled at an angle, as the cable will wind up at one end of the drum. In this case, the cable can get jammed and the cable and/or winch be damaged.
- The winch reaches maximum pulling force with an input voltage of 12 V DC. The winch has the greatest pulling force when the cable rests directly on the drum, i.e., when it is almost completely unwound.
- Never hook the hook on the cable. Use a nylon loop.
- Do not use the winch if it is not attached to the vehicle or another anchorage point.
- When pulling a load, wind the cable slowly so that it is taut. Stop the winch and check all cable connections. Check that the hook is properly attached.
- If the nylon loop is used, check that the load is well secured.
- A heavy blanket, jacket, or similar can be placed over the cable at the end of the hook when pulling a heavy load. The weight reduces the risk of the cable end being thrown away if the cable breaks.
- Do not pull the load with the vehicle. This can overload the cable and damage the cable or winch.
- Keep hands and other body parts away from the drum and cable when winching.
- The safety distance is at least 1.5 m.
- Make sure that no one is near or in line with the cable when it is loaded.
- Before using the winch, apply the parking brake of the vehicle and secure the wheels with a wedge. Start the engine of the vehicle, take it out of gear, and let the engine idle. Otherwise, the battery of the vehicle may discharge, making it impossible to start the vehicle.
- Never loosen the cable when it is under tension.
- Take the load off the cable after winching. The cable should not remain under load.
- Always keep a safe distance from the cable, hook, and winch.
- Regularly check the cable and equipment for proper condition.
- The cable must be replaced immediately if any wires are broken. Only use accessories recommended by the manufacturer.
- Wear heavy-duty protective gloves when using the cable. Never let the cable slip through your hands.
- Keep your hands away from the winch, cable, and hook during use. Do not put hands or fingers in the hook – **risk of serious injury!**
- Use the safety line to control the cable.
- After use, the cable must be properly wound onto the drum.
- Never use the winch when you are tired or under the influence of alcohol, drugs, or medicine.
- Exercise caution when using the winch.
- Wear appropriate protective clothing (ear protection, safety goggles, etc.).
- Do not machine or weld the parts of the winch. This may weaken the winch and damages and/or injuries may result.



- The winch must be serviced and maintained regularly.

### Cable speed and motor current

<b>Max. load (kg)</b>	0	227	454	680	907
<b>Cable speed (m/min)</b>	3,2	2,8	2,3	1,8	1,0
<b>Motor current (A)</b>	0	25	60	60	90

### Max load and cable length per layer

<b>Cable layer</b>	1	2	3	4	5	6
<b>Nominal load per layer (kg)</b>	907	740	620	540	470	420
<b>Cable length per layer (m)</b>	2,0	4,3	6,8	9,5	12,5	15

### Mounting

The winch must be mounted correctly for it to function properly.

1. The winch should be mounted using the M8 × 30 bolts, lock washers, and washers provided or other suitable fasteners.  
**Warning!** When mounting the winch, care must be taken to ensure the correct winding direction. Incorrect assembly can lead to serious injuries.
2. Run two wires from the remote control to the motor and two from the motor to the battery. Connect the red wire to the positive terminal of the battery and the black one to the negative terminal of the battery. Connect the other two wires to the terminals of the winch motor.
3. Check the direction of rotation of the drum. Move the release switch to the unlocked position so that the drum can rotate freely.
4. Pull the cable out of the drum and reset the release switch so that the gears of the cable drum engage with the gearbox again.
5. Press the "CABLE IN" button on the remote control.
6. The direction of rotation of the drum is correct when the cable is wound up. If the cable is to be unwound, the two conductors on the winch motor are swapped. Then check the direction of rotation again.

### Operation

- The unit is equipped with a permanent magnet motor and is intended for hobby use.
- The unit is not intended for commercial or industrial use.
- The unit must not be used for lifting or suspending loads.
- The hitch is controlled by a knob.
- When unlocked, the rope can be pulled out manually without power.
- A guide plate reduces the risk of kickback and tangling of the rope when pulling it out.

### Use

1. Unlock the drum by pulling out and turning the release switch.
2. Pull out the hook and the rope by pulling on the safety rope. Attach the rope to the load to be pulled.  
**Warning!** Check that there are at least 5 coils of rope on the drum.
3. Reset the release switch so that the sprockets of the drum engage the gear again.



**Warning!** The clutch must be engaged when starting to winch. Do not engage the clutch while the drum is rotating. The clutch switch is set at the factory and secured with screw lock. The switch must not be changed.

4. Press the “CABLE IN” button on the remote control to wind up the cable.
5. Press the “CABLE OUT” button to unwind the cable. The motor must stop before changing direction.
6. After use, wind up the cable.

### Maintenance

- Regularly check that screw and power connections are properly tightened. Tighten if necessary. Remove dirt, corrosion, etc. from power connections.
- The unit must not be opened. Repairs must be carried out by qualified personnel.
- The gearbox is permanently lubricated at the factory with heavy-duty grease.
- No parts inside need to be lubricated.

### Replacing the cable

1. Set the release switch so that the gear wheels of the rope drum engage in the gear.
2. Thread the rope into the cable holder. Tighten the screw again.
3. Switch on the unit to wind the cable onto the drum.

**Caution!** Only cables recommended by the manufacturer may be used.

### Troubleshooting

Problem	Possible cause	Suggested solution
Motor does not run or only runs in one direction.	Inoperable remote control	Replace remote control.
	Cable break or faulty connection	Check connections and clean them if necessary.
	Defective motor	Repair or replace motor.
Motor runs, yet drum does not rotate.	Disengaged position	Lock position.
Motor runs, yet only weakly, or drum turns slowly.	Low battery	Charge or replace the battery. – Remove possible corrosion from battery terminals. – Check connections and clean them if necessary.
	Defective motor	Repair or replace engine.
Motor is overheated	Winch been run for too long	Allow engine to cool down.
	Defective motor.	Repair or replace engine

## Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiITec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiITec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities, or the store where you purchased the article.

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