

FIERYRED®
4x4 EQUIPMENT

ELECTRIC WINCH USER MANUAL



WIN5500-ROPE / WIN5500-ROPE-UFA / WIN5500A / WIN5500U

Please read this guide carefully before installation

Fierired, founded in March, 2016 and born of the passion to fulfill four-wheel drive lovers' demand for affordable, yet high quality 4x4 equipment, takes prides in designing, engineering and providing rock solid 4x4 products to let you rediscover the fun of off-roading.

Based in the United States, Fierired is a professional supplier of 4x4 equipment, currently provides off-road recovery gears & tools as well as aftermarket vehicle parts that are designed to offer you ultimate experience with exceptional value.

It is the passion, coupled with a continuing commitment to quality and unswerving dedication to customer, that distinguishes Fierired from the competition. At Fierired, we strive to excel your expectation, and permeate that conviction into every product that wears the Fierired brand.

Wherever your passion takes you, Make Your Own Path.

Please read all instructions and warnings before operation. Improper equipment operation may result in fire, injury, serious damage or even death. The instructions in this manual cannot cover all possible winching situations that could occur. It is highly recommended that the winch be used in a safe and responsible manner.

WARNING **General Safety:**

1. Always keep hands, clothing, and jewelry away from the fairlead while spooling onto the drum.
2. Never operate this winch when under the influence of drugs, alcohol or medication.
3. After moving an item with the winch, secure the item. Do not rely on the winch to hold it for an extended period.
4. Never use your winch to secure a load.
5. Never use winch or winch rope for towing.
6. This winch is designed only for pulling along a horizontal surface not for lifting a load under any circumstances.
7. Never use inappropriate attachments to extend the length of the winch cable.
8. Please move the protective sleeve to part of the rope that might hit rough surfaces or sharp edges.
9. Please note that 5-6 layers of synthetic rope should be remained on the drum.
10. Be aware that the wireless remotes are not waterproof.
11. To avoid accidental activation, please do not put your wireless remote in the pocket during winching.
12. Never leave the winch remote control plugged in when installing, freespooling, servicing or when the winch is not being used.
13. Never leave the remote control at a location where it can be activated accidentally.
14. Examine before use. Components may be affected by exposure to everyday weathering chemicals, salts and rust. Replace any parts needed before using winch.
15. Please exercise proper inspection, cleaning and maintenance on a regular basis to prolong the life of your synthetic winch rope.

**WARNING****Winching Safety:**

1. Observe your winch while winching, while standing at a safe distance.
2. Never attempt to exceed the pulling limits of this winch.
3. Never engage or disengage the clutch control when: your winch has a load on it; the winch line is under tension; or the drum is moving.
4. Always ensure the clutch is fully engaged or disengaged. Failure to do so will significantly reduce winching capacity.
5. Always free spool the winch line from the drum instead of powering out them.
6. Never cross over or under the synthetic rope while it is in process of loading.
7. During winch pulls, you are required to run your engine and at the same time check the voltage gauge of your vehicle.
8. When pulling a stuck vehicle, please put your vehicle in neutral.
9. Never operate the winch at an angle of more than 15°, because angles greater than this will deform or damage parts of the winch.
10. It is recommended to watch drum for excessive winch line build-up, especially during angled pulls. Because the build-up is likely to cause damage to both the winch and the winch line.
11. Always keep the synthetic rope from sharp objects.
12. If the motor becomes uncomfortably hot to touch, stop winching immediately and let it cool down for a few minutes. Do not use for more than 3 minutes under full load without letting the motor cool down for a few minutes.

**WARNING****Installation Safety:**

1. Mounting location should be strong enough to withstand the maximum pulling capacity of your winch.
2. Never weld mounting bolts.
3. Always use factory approved mounting hardware and accessories.
4. Always complete the winch installation and hook attachment before installing the wiring.
5. Never route electrical cables across sharp edges, through or near moving parts, or near parts that get hot.

What's in the box:



1 X 5,500lbs Electric Winch



1 X Hook Strap



1 X User Manual



1 X Control Box



1 X Cable with Switch



2 X Wireless Remote



1 X Hawse Fairlead
(for WIN5500-ROPE
/WIN 5500-ROPE-UFA)
/1 X Roller Fairlead
(for WIN5500A / WIN5500U)



1 X Mounting Plate



1 X Control Box
Mounting Bracket



1 X Hook



2 X Clutch Knobs



1 X Mounting Hardware

Specification:

	WIN5500-ROPE / WIN5500-ROPE-UFA	WIN5500A / WIN5500U
Capacity:	5,500lbs (2,495kg)	
Voltage:	12V DC	
Max Amp Draw / Line Pull:	280A / 5,500lbs	
Max Line Pull / Line Speed:	5,500lbs / 3.6 ft per min (1.0m per min)	
Motor Type:	Permanent Magnet	
Motor:	Input: 3.2kW / 4.3hp; Output: 1.6kW / 2.2hp	
Gear Train:	3-Stage Planetary	
Gear Ratio:	166:1	
Braking Action:	Dynamic	
Drum Size:	2" x 5" (Φ50.4mm x 126mm)	
Synthetic Rope / Steel Cable (Diameter):	0.24" (6mm)	
Synthetic Rope / Steel Cable (Length):	47.57 ft (14.5m)	
Breaking Strength of Synthetic Rope / Steel Cable:	9,500lbs (4,309kg)	
Cable from Control Box to Battery Lugs (Length):	2 ft (0.6m)	
Cable from Control Box to Motor Lugs (Length):	6 ft (1.8m)	
Cable with Switch (Length):	8.53ft (2.6m)	
Waterproof:	Ip67 Rating	
Fairlead:	Hawse Fairlead	Roller Fairlead
Hook Size:	5/16"	
Control:	Wireless Remote Control & Wired Remote Control	
Product Dimension:	16.26 x 4.92 x 6.61in (41.3 x 12.5 x 16.8cm)	
Product Weight:	29.76lbs (13.5kg)	32.41lbs (14.7kg)
Mounting Bolt Pattern:	2.52" (6.4cm) 2-M8	
Recommended:	650CCA Minimum for Winching	

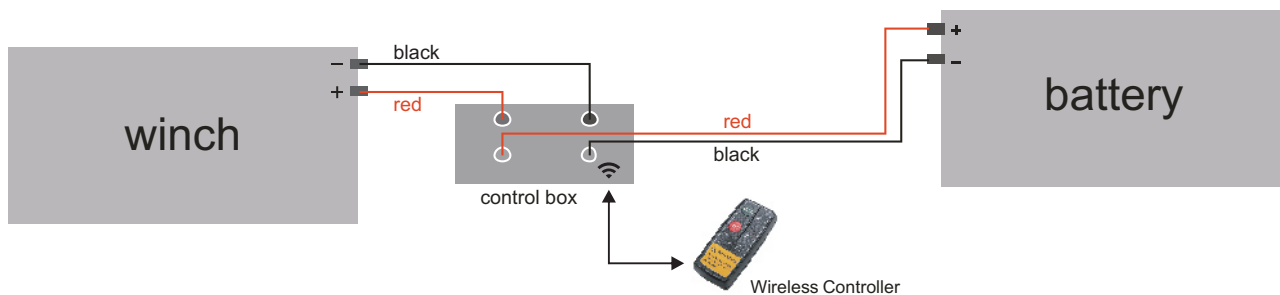
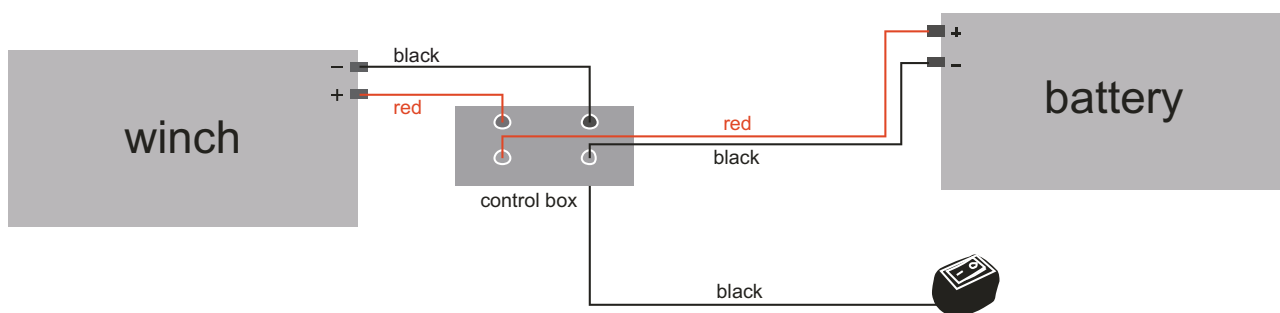
Line pull, line speed and current (first layer)

Line Pull	lbs	0	1000	2500	4500	5500
	kg	0	454	1135	2043	2495
Line Speed	ft/min	12.5	8.5	6.2	5.2	3.6
	(m/min)	3.8	2.6	1.9	1.6	1.0
Current	A	28	140	170	220	280

Rated line pull per layer

Layer of cable		1	2	3	4
Rated line pull per layer	lbs	5500	4535	3858	3357
	kg	2495	2057	1750	1522

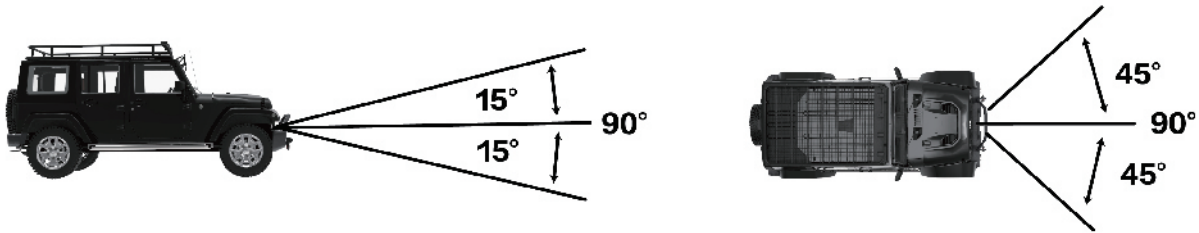
Wiring Diagram:



Note: The wired and wireless mode could be used simultaneously.

How to make your winching more efficient:

1. Avoid angled pull. The winch line should not exceed a 15-degree angle up and down from horizontal, or a 45-degree angle left or right from straight ahead.



2. Use pulley blocks. Pulley blocks allow you the advantage of using a small force to move a heavy resistance or object.
3. Remove obstructive terrain under the stuck vehicle. Remove gavel, mud, snow and rocks around the tires, if your vehicle is stuck on rock or terrain, please flatten the terrain before winching.

Troubleshooting:

Winch only working in one direction	Defective or stuck solenoid	Repair or replace solenoid, or tap solenoid to free contacts
	Defective switch or wireless remote	Replace switch or wireless remote
Motor does not turn on	Switch not connected properly	Insert switch firmly to the connector
	Remote control battery depleted	Change the battery
	Defective switch or wireless remote	Replace switch or wireless remote
	Loose battery cable	Tighten nuts on cable connectors
	Solenoid Malfunctioning	Repair or replace solenoid, or tap solenoid to free contacts
Motor runs but drum does not turn	Clutch not engaged	Engage the clutch
	Winch brake needs to be adjusted	visit www.fieryred.com for professional help
Motor runs too slowly or without normal power	Battery depleted	Recharge battery by running vehicle engine
	Insufficient current or voltage	Clean, tighten or replace the connector
Motor runs too hot	Long period of operation	Let winch cool down periodically
The winch is letting go while under load	Winch brake needs to be adjusted	visit www.fieryred.com for professional help
	Rope is feeding onto the drum incorrectly	Spool rope out and respool it in a nice neat pattern



WARRANTY

Fierired warrants that each of its electric winch that is purchased will be free from defects in materials and workmanship for a period of two (2) years from the original date of purchase. This Warranty applies only to the original purchaser of the winch. If a product fails to operate as a result of defects in materials or workmanship, Fierired will, at its option, replace it with the same or similar product, or will issue a refund. Fierired will pay for the cost of shipping or transportation of a defective component to us.

Items not covered by this Warranty include: the removal or re-installation of the product, wire rope, synthetic rope and product finish. This warranty does not apply if the product has been damaged by accident, abuse, misuse, collision, overloading, modification, misapplication, improper installation, or improper service. Commercial or industrial use or application, or any hoisting application of the product, voids the warranty.

The Warranty set forth above is the only warranty. There are no other warranties, express or implied, including but not limited to implied warranties of merchantability or fitness for a particular purpose.

For more information, please visit <https://fierired.com/>

