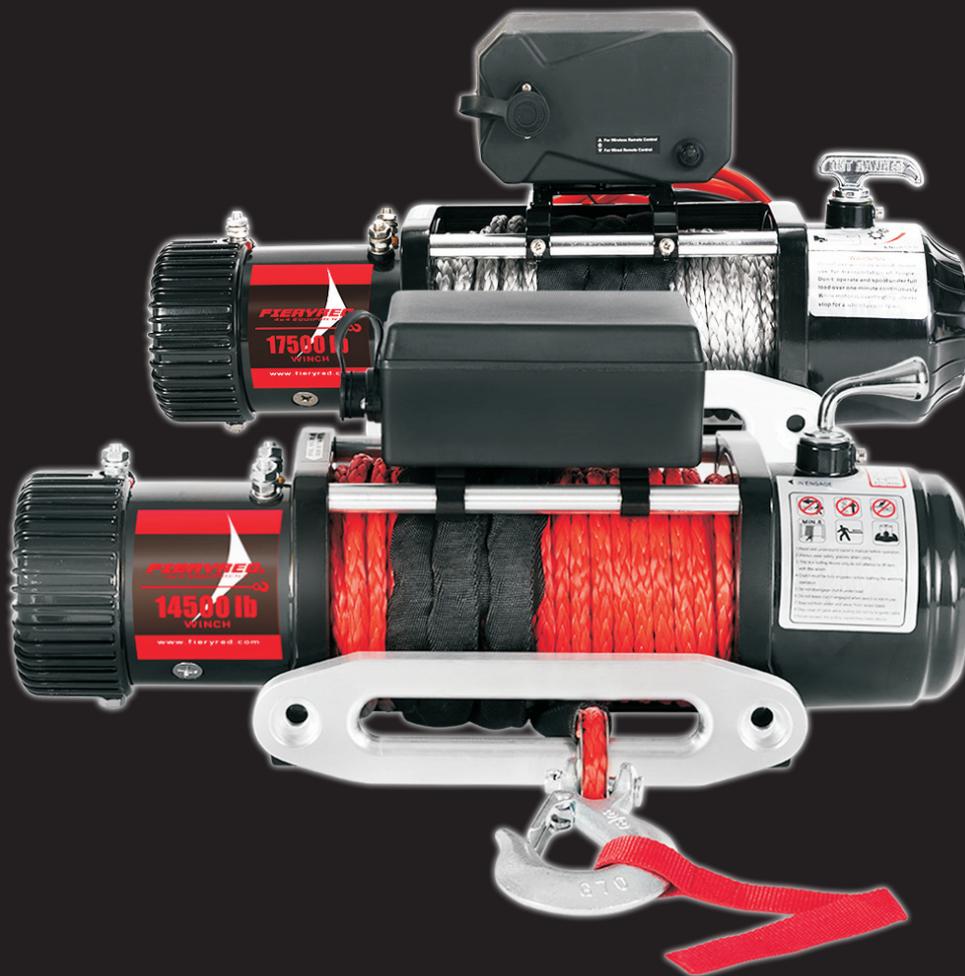


FIERYRED®
4x4 EQUIPMENT

ELECTRIC WINCH USER MANUAL



PLEASE READ THIS GUIDE CAREFULLY BEFORE INSTALLATION

WIN14500R-ROPE / WIN17500B-ROPE

V1.0

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.

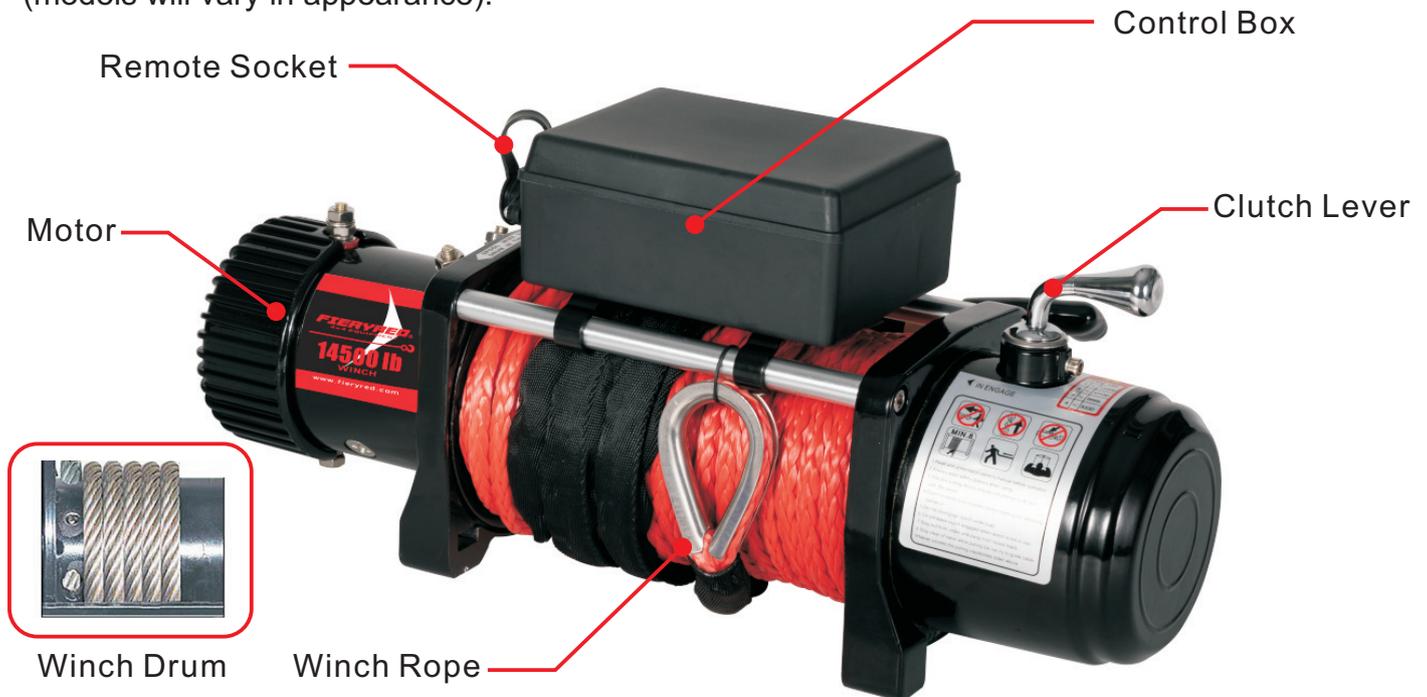
Based in the United States, Fierired is a professional supplier of 4x4 equipment, currently provides off-road recovery gears & tools as well as aftermarket vehicle parts that are designed to offer you ultimate experience with exceptional value.

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.

Know your winch:

Before you begin, you should familiarize yourself with your winch and each of its components (models will vary in appearance):



Motor: The winch motor is powered by the vehicle's battery. The motor provides power to the gear mechanism, which turns the winch drum and winds the winch rope.

Winch Drum: The winch drum is the cylinder onto which the winch rope feeds. The drum is driven by the motor and drive train. Its direction can be changed using the remote control.

Winch Rope: The winch rope's diameter and length are determined by the winch's load capacity and design. Wrapped around the winch drum and fed through the fairlead, the winch rope is looped at the end to accept the hook's clevis pin.

Clutch Lever: The clutch allows the operator to manually disengage the spooling drum from the gear train, enabling the drum to rotate freely (known as "freespooling"). Engaging the clutch "locks" the winch drum back onto the gear train.

Control Box: Using electrical power from the vehicle's battery, the control box's contactor switches power to the motor, enabling the operator to change the direction of the winch drum rotation.

Remote Socket: The remote socket is where the operator plugs in the wired remote control in order to control the winch.

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.

General safety:

- ⚠ Always keep hands, clothing, and jewelry away from the fairlead while spooling onto the drum.
- ⚠ Always wear heavy leather gloves when handling winch rope.
- ⚠ Always use supplied hook strap whenever spooling winch rope in or out.
 - After moving an item with the winch, secure the item. Do not rely on the winch to hold it for an extended period.
 - Never use winch or winch rope for towing.
- ⚠ Never use winch to lift or move persons.
- ⚠ This winch is designed only for pulling along a horizontal surface not for lifting a load under any circumstances.
- ⚠ Please note that 5-6 layers of synthetic rope should be remained on the drum. Be aware that the wireless remotes are not waterproof.
- ⚠ Never leave the winch remote control plugged in when installing, freespooling, servicing or when the winch is not being used.
- ⚠ Never leave the remote control at a location where it can be activated accidentally.
- ⚠ Never touch winch rope or hook while someone else is at the control switch, when winch rope is under load or during winching operation.
 - Examine before use. Components may be affected by exposure to everyday weathering chemicals, salts and rust. Replace any parts needed before using winch.
 - Please exercise proper inspection, cleaning and maintenance on a regular basis to prolong the life of your synthetic winch rope.

Winching safety:

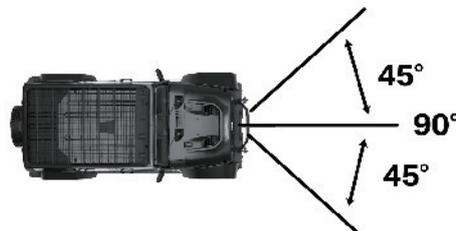
- Observe your winch while winching, while standing at a safe distance.
- ⚠ Never attempt to exceed the pulling limits of this winch.
- ⚠ Never engage or disengage the clutch control when: your winch has a load on it; the winch line is under tension; or the drum is moving.
- Always ensure the clutch is fully engaged or disengaged. Failure to do so will significantly reduce winching capacity.
- Always free spool the winch line from the drum instead of powering out them.
- During winch pulls, you are required to run your engine and at the same time check the voltage gauge of your vehicle.
- Never operate the winch at an angle of more than 15°, because angles greater than this will deform or damage parts of the winch.
- 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.
- Always keep the synthetic rope from sharp objects.
- ⚠ Always keep wired remote control lead and power cord clear of the drum, rope, and rigging.
- ⚠ 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.
- Do not power the hook into the fairlead. This could cause damage to the fairlead.

Installation safety:

- ⚠ Mounting location should be strong enough to withstand the maximum pulling capacity of your winch.
- Always complete the winch installation and hook attachment before installing the wiring.
- Never route electrical cables across sharp edges, through or near moving parts, or near parts that get hot.

How to make your winching more efficient:

- 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.



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

What's in the box:



1 X 14,500lbs/17,500lbs Electric Winch



1 X Control Box



1 X Wired Remote



2 X Wireless Remote



1 X Cable



1 X Mounting Hardware



1 X Hook Strap



1 X Hawse Fairlead



1 X Hook



1 X User Manual

Specification:

	WIN14500R-ROPE	WIN17500B-ROPE
Product Dimension:	20.87"L x 5.91"W x 7.87"H 53 x 15 x 20 cm	21.14"L x 6.30"W x 7.20"H 53.7 x 16 x 18.3 cm
Weight:	61.73lbs (28kg)	90.39lbs (41kg)
Single Line Rated Pull:	14,500lbs (6,577kg)	17,500lbs (7,938kg)
Controls:	Remote Switch	
Gear Train:	3-Stage Planetary	
Permanent Magnet:	6.0HP/4.5KW Series Wound	6.6HP/4.95KW Series Wound
Gear Reduction Ratio:	265:1	218.4:1
Brake:	Automatic Load-Holding Brake	Two Way Braking Action In The Drum
Synthetic Rope:	85.30ft (26m)	
Remote Control:	Included	
Fairlead:	Aluminium Hawse	
Recommended Battery:	650CCA Minimum For Winching	

WIN14500R-ROPE Line pull, line speed and current (first layer)

Line Pull	lbs	0	2,000	4,000	6,000	8,000	10,000	14,500
	kg	0	907	1,814	2,722	3,629	4,536	6,577
Line Speed	ft/min	21.3	11.5	9.4	7.9	6.5	5.8	3.0
	(m/min)	6.49	3.51	2.87	2.41	1.98	1.77	0.91
Current	A	65	126	175	230	280	370	430

WIN17500B-ROPE Line pull, line speed and current (first layer)

Line Pull	lbs	0	4,000	7,000	10,000	13,000	17,500
	kg	0	1,814	3,175	4,536	5,897	7,938
Line Speed	ft/min	22.5	9.8	8.2	6.56	4.8	2.1
	(m/min)	6.86	2.99	2.50	2.00	1.46	0.64
Current	A	65	165	230	340	430	500

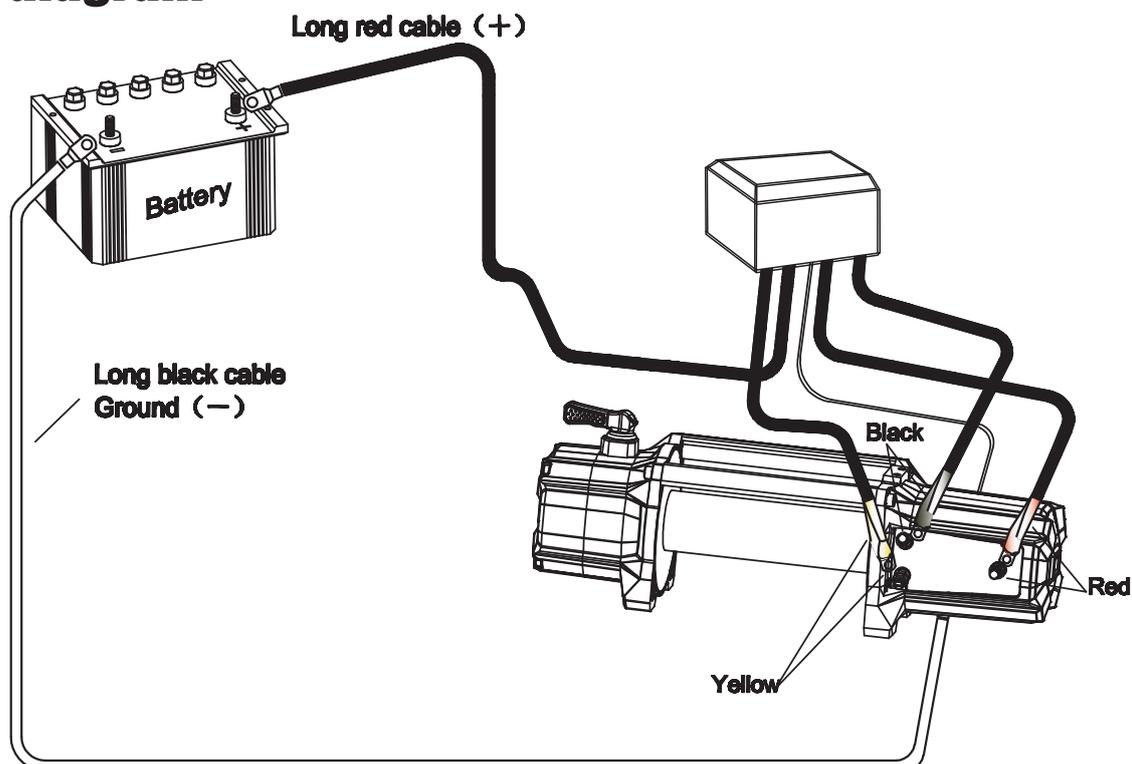
WIN14500R-ROPE Rated line pull and rope capacity in layer

Layer of cable		1	2	3	4
Rated line pull per layer	lbs	14,500	11,510	9,570	8,175
	kg	6,577	5,221	4,341	3,708
Total Rope on Drum	ft	17	41	71	85
	m	5.18	12.5	21.64	25.91

WIN17500B-ROPE Rated line pull and rope capacity in layer

Layer of cable		1	2	3	4
Rated line pull per layer	lbs	17,500	13,000	10,010	8,840
	kg	7,938	5,897	4,540	4,010
Total Rope on Drum	ft	15	34.6	58.6	85.3
	m	4.57	10.55	17.86	26.00

Wiring diagram



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

Troubleshooting:

There can be a few different causes as to why your winch has stopped working properly. At no stage in troubleshooting do we recommend or encourage disassembling your winch as this will void any warranty on the item.

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

Winch maintenance:

- We recommend at least once a month to operate your winch. Simply power the rope out 15m, free spool 5m and then power back in. This helps keep all components in good working condition so that the winch can be relied on when needed.
- If operating your winch in an environment where it may get wet, we recommend that you re-run your winch at the end of the day.
- The winch can efficiently prevent water ingress into the motor but are not guaranteed to be 100% waterproof. Water is unlikely to damage the motor at the point of use but will over time if the winch is not properly maintained.



WARRANTY

Fieryled ("Manufacturer") warrants to the original buyer ("User") that its Electric Winch sold hereunder shall be free from material defects in workmanship or materials and conform to Fieryled's specifications for this product under normal application, installation, use and maintenance conditions from the date sold and for the duration (the "Warranty Period") of 1 YEAR. If it fails to operate during the limited warranty period due to defects in materials or workmanship, Fieryled will, at its option, replace it with the same or similar product, or issue a refund.

This limited warranty is provided by Fieryled and there are no other warranties, expressed or implied, except as required by law, including warranties of merchantability and fitness for a specific purpose, that are provided for herein, however all such implied warranties, if any, are limited to the duration of this specific limited product warranty. Oral statements or representations about the product do not constitute warranties.

THE WARRANTY DOES NOT COVER:

Items not covered by this Warranty include: the removal or re-installation of the product, 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.

CLAIMS:

No returns will be credited without an authorization. If a Fieryled product is suspected of being defective, you'll need to provide proof of purchase (e. g. a screenshot of the order) and a picture of the damaged goods in their entirety to the seller you purchased from for evaluation. Removal, installation, or reinstallation costs are not covered by this limited warranty.

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

