



 **Abu Garcia®**

REVO®

LOW PROFILE OWNERS MANUAL



For generations, anglers the world over have put their trust in Abu Garcia for tackle that stands their toughest tests. It's a trust that's been earned by building products right the first time, and making them even better time after time. We refuse to compromise on how we design, build and perfect Abu Garcia equipment. That's why decades of experience and obsession for detail are the hallmarks of Abu Garcia.

Redesigned from the ground up, the 5th generation of Revo low profile reels have been designed to provide best-in-class precision, power, and performance. The following guide will explain how to get the most out of your new Revo low profile Reel®

Each element is described by its name and function, please note some features are not found on every reel model. Read these instructions carefully before using your reel to ensure a proper understanding of its operation.



X

Bearings
7+1

Weight
7.2oz

Gear Ratio/IPT
5.4:1/22"
6.7:1/27"
7.3:1/30"

Drag System
**Carbon
Matrix**



SX

Bearings
9+1

Weight
7.4oz

Gear Ratio/IPT
6.7:1/29"
7.3:1/32"

Drag System
**Power Stack
Carbon
Matrix**



SX RKT

Bearings
9+1

Weight
7.8oz

Gear Ratio/IPT
9.0:1/39"

Drag System
**Power Stack
Carbon
Matrix**



STX

Bearings
10+1

Weight
7.6oz

Gear Ratio/IPT
6.7:1/29"
8.1:1/35"

Drag System
**Power Stack
Carbon
Matrix**



WINCH

Bearings
8+1

Weight
7.7oz

Gear Ratio/IPT
5.4:1/23"

Drag System
**Power Stack
Carbon
Matrix**



RKT

Bearings
10+1

Weight
7.5oz

Gear Ratio/IPT
10.1:1/44"

Drag System
**Power Stack
Carbon
Matrix**

X**SX****SX^{AKT}****STX****WINCH****AKT****Max Drag
20lbs****Max Drag
25lbs****Max Drag
18lbs****Max Drag
25lbs****Max Drag
25lbs****Max Drag
18lbs****Braking System
Mag Trax****Braking System
IVCB-6****Braking System
IVCB-6****Braking System
IVCB-6****Braking System
IVCB-6****Braking System
IVCB-6****Handle Knob
Co-Molded****Handle Knob
Oversized Soft Touch****Handle Knob
Oversized Soft Touch****Handle Knob
Oversized Soft Touch****Handle Knob
Oversized Soft Touch****Handle Knob
Oversized Soft Touch****Handle Length
90 mm****Handle Length
90 mm****Handle Length
95 mm****Handle Length
95 mm****Handle Length
95 mm****Handle Length
95 mm****Mono Capacity
10lb/135yds
12lb/110yds
17lb/80yds****Mono Capacity
10lb/160yds
12lb/130yds
17lb/90yds****Mono Capacity
10lb/160yds
12lb/130yds
17lb/90yds****Mono Capacity
10lb/160yds
12lb/130yds
17lb/90yds****Mono Capacity
10lb/220yds
12lbs/175yds
17lb/130yds****Mono Capacity
10lb/160yds
12lb/130yds
17lb/90yds****Braid Capacity
20lb/145yds
30lb/110yds
50lb/75yds****Braid Capacity
20lb/170yds
30lb/125yds
50lb/90yds****Braid Capacity
20lb/170yds
30lb/125yds
50lb/90yds****Braid Capacity
20lb/170yds
30lb/125yds
50lb/90yds****Braid Capacity
20lb/235yds
30lb/175yds
50lb/125yds****Braid Capacity
20lb/170yds
30lb/125yds
50lb/90yds**

5TH GENERATION

REVO

LOW PROFILE BAITCAST REEL



Revo low-profile casting lineup now features an asymmetric body design allowing for the use of a larger spool which helps maximize castability without increasing the size of reel's total profile. This series also features both the Carbon Matrix™ drag system, featured in the Revo X model, and the Power Stack drag system, which is featured in the Revo SX, STX, Winch, and Rocket models. This proves effective as these reels can deliver up to 25-pounds of big fish stopper power.

FEATURES

The 5th generation of Revo Low Profile Reels are packed with performance driven features, learn more about what makes these reels some of the best on the market. Please note that these features may not be found on every model.

- A-Symmetric body design allows for a more compact and ergonomic reel.
- C6 carbon frame and sideplates reduce weight without sacrificing strength and durability. (Revo X Only)
- MagTrax™ brake system gives consistent brake pressure throughout the cast. (Revo X Only)
- Carbon Matrix™ drag system provides smooth, consistent drag pressure across the entire drag range. (Revo X Only)
- 90mm bowed Aluminum handle with oversized knobs for greater grip.
- Co-Molded handle knobs for increased grip and comfort. (Revo X Only)
- Duragear™ Gen II gear system provides a more efficient gear system while improving gear durability.
- X2-Craftic™ alloy frame for increased strength and durability. (Revo SX, SX-RKT, STX, Winch, Rocket)
- C6 carbon sideplates provide significant weight reduction without sacrificing strength and durability. (Revo SX, SX-RKT, STX, Winch, Rocket)
- EXD Concept Design to maximize casting performance. (Revo SX, SX-RKT, STX, Winch, Rocket)
- IVCB-6 braking system delivers precise external adjustments for a wide variety of baits allowing anglers to easily fine tune and maximize casting distance. (Revo SX, SX-RKT, STX, Winch, Rocket)
- Power Stack Carbon Matrix Drag System™ provides extreme drag pressures combined with unparalleled smoothness. (Revo SX, SX-RKT, STX, Winch, Rocket)
- 95mm bowed Aluminum handle with oversized knobs for greater grip. (Revo SX-RKT, STX, Winch)
- 95mm straight carbon fiber handle with oversized knobs for greater grip. (Revo Rocket)



HOW TO FILL THE SPOOL WITH LINE

Revo® low profile reels are designed for monofilament, braid and fluorocarbon lines. Personal preference and fishing conditions will determine line selection. Begin by passing the line through the guide located on the front of the reel. Secure the line to the reel using the arbor knot. Control the filler spool by inserting a pencil into the spool hub. While maintaining tension on the line with your fingers, wind the reel handle and continue to fill with line to approximately 1/16" (1.5 mm) below the top of the reel spool for best results. Do not overfill.

BRAIDED LINE

Some anglers prefer to add a monofilament backing to the reel spool before attaching braided line. This helps reduce line slip. Using the above instructions, fill the spool with enough monofilament line to cover the spool. Tie the tag end of the monofilament backing to the braided line using a uni-to-uni knot, Albright knot or equivalent. Continue to fill the spool with braid to approximately 1/16" (1.5 mm) inside the upper lip of the spool. Do not overfill.



CLICK TO PLAY



CLICK TO PLAY

DRAG ADJUSTMENT

The Revo® X is capable of up to 20 lbs of smooth and reliable drag tension while the SX, STX, and Winch are capable of 25 lbs. The Revo SX-RKT and Revo Rocket are capable of 18lbs of drag. Control the amount of drag by rotating the star drag adjacent to the reel handle. Rotate the star clockwise (right) to increase drag or counterclockwise (left) to decrease drag. For best results the drag should be adjusted to approximately one-third of the breaking test of the line being used. This can be accomplished by tying the line to a spring scale for precise adjustment. Make sure the reel is first mounted on a rod and the line has been run through the rod guides before tying to the scale. The drag should always release before the line reaches its breaking point. Factors such as line type, technique and fishing conditions may require adjustment to these recommendations. Any drag setting above half of the line strength risks line breakage.

If a spring scale is unavailable, tie the line to a secure point. With the rod tip up (about a 45 degree vertical angle), apply pressure by turning the handle. Gradually tighten the drag adjustment star by rotating it clockwise. When the line reaches its breaking point, loosen the adjustment star 1/4 turn.

SPOOL TENSION KNOB

The spool tension knob controls how fast the spool spins when casting. It is located on the sideplate of the reel next to the handle. With the rod-reel-line-lure properly assembled, place the tip of the thumb on the line to hold the spool. Depress the thumb bar with the pad of your thumb to disengage the gears. Allow the lure to drop to the ground. If the lure does not fall when the thumb bar is depressed, turn the spool tension knob counterclockwise (left) to reduce tension on the spool. If the lure falls to the ground and the spool continues to rotate, spool tension is too loose. Rotate the knob clockwise (right) to increase tension. Additional casting brakes, if applicable, are designed for fine tune adjustment.

It is normal to experience backlashes when learning how to cast a low profile reel. In the event that you are just learning how to cast, tighten the spool tension knob an extra 1/4 to 1/2 a turn and slowly back it off as you learn to cast.



REMOVING THE SIDEPLATE

After the lock has been disengaged pull the sideplate from the frame. On the Revo X, SX and SX RKT, the sideplate will completely come off the reel to allow access to the spool. On the Revo STX/Winch and Rocket reels, the sideplate features a gull wing design, that hold the sideplate too the frame, but still allows access to the spool. Sometimes it helps to push the spool towards the sideplate to pop it out

REEL FUNCTION

How to Adjust the Braking System: Revo® reels feature highly tunable braking systems that deliver superior casting control. For maximum casting distance and minimal tendency of line over run, it is necessary to adjust the braking system to match the weight of the lure and angler preference. Depending on model, your reel will feature one of the following braking systems.

BRAKING SYSTEM

MagTrax (Revo X)

The MagTrax braking systems allows anglers to finely tune their reels using a magnetic brake system that provides equal resistance throughout the duration of the cast. To adjust the MagTrax braking system simple turn the dial on the on the palm sideplate to “Max” for more brake pressure and the opposite direction for less braking pressure.



MAGTRAX™ BRAKE SYSTEM

IVCB-6 Braking System (Revo SX, SX-RKT, STX, Winch & Rocket)

The IVCB-6 brake system (Infinitely Variable Centrifugal Brake) delivers superior casting control using a unique six brake block configuration that works vertically instead of horizontally. This system allows anglers to use a wide range of lures and excels in the ability to throw lightweight finesse style baits - something that traditional horizontal braking systems struggle to accomplish. The IVCB-6 brake is externally adjustable allowing for precision tuning on the water without having to remove the sideplate.

Turn the IVCB-6 brake dial to fine tune spool tension. Rotate the dial towards the “Max” label to increase brake pressure. By moving the brake dial to the “Max” position, the brake blocks move out vertically, thereby applying more brake pressure. Turn the dial in the opposite direction to reduce brake pressure.



IVCB-6™ BRAKE SYSTEM

BASIC CASTING TECHNIQUE

1) Depress thumb bar while keeping the tip of the thumb on the spool to control the lure. Hold the rod and reel so that the handle is pointing upward.
2) Holding the rod and reel in front of the body, bring the rod backward so the tip reaches a point above and behind the shoulder. To cast, bring the rod back in front of the body in a single motion without stopping) Release the thumb from the spool as the rod is brought forward so that the lure is launched slightly upward and outward toward your target. As the lure approaches the water surface stop the spool with your thumb. If you don't stop the spool as the lure hits the water, the spool will continue to rotate causing a backlash (a.k.a bird's nest.) In the event that you experience backlashes, tighten the spool tension knob 1/2 a turn at a time to apply more braking force until you no longer have an issue with line overrun. Also try casting with the wind – instead of against it – until you get comfortable casting without experiencing a backlash. As you get more comfortable casting, reduce the amount spool tension by rotating the spool tension knob 1/4 turn at a time to maximize casting distance.

MAINTENANCE

As with any precision product, your Revo® reel will require regular maintenance. Gently rinse the reel with fresh water, wipe it dry and lubricate according to the accompanying diagram (picture of oil and grease points). Revo® Reels are equipped with a main gear access door called the Maintenance Port. This feature allows anglers to easily grease the main gear without taking the reel completely apart. To use this feature, locate the lube port screw pictured below.

Using a small philips head screwdriver, rotate the screw counterclockwise until free. The small “door” can now be removed. Lightly grease the exposed main gear with quality grease such as Abu Garcia Reel Lube. Once maintenance has been completed, reposition the door over the maintenance port and reinstall the maintenance port screw. Tighten the screw with a philips head screwdriver by rotating it clockwise. Do not over tighten.

To keep your reel working at peak efficiency, clean and lubricate after each use. At least once a season your reel should be disassembled for a thorough cleaning and re-lubrication. Refer to the exploded parts view supplied with your reel. Maintenance kits can be purchased at your local tackle store and include everything you need to properly service your reel. If you do not wish to perform this work yourself any nearby Abu Garcia Service Center is fully qualified to do this for you.

PRODUCT REGISTRATION

Take a few minutes to register your Abu Garcia equipment with us today. Please visit <https://register.abugarcia.com/> to begin the registration process.

SCHEMATICS

To view your reel schematics please visit www.abugarcia.com/pages/abugarcia-reel-schematics. You may also view your reel schematics in your Product Registration repository.

WARRANTY ONE YEAR LIMITED WARRANTY(FOR USA AND CANADA ONLY)

This “limited warranty” has been drafted to comply with the Magnuson-Moss Warranty Federal Trade Commission Improvement Act which is effective for goods manufactured on or after December 31, 1976. For the period indicated, Abu Garcia will, at its option, repair or replace and return the covered items found to be defective in material or workmanship at no charge except for shipping cost. Abu Garcia will have no other obligation and will not be liable for incidental or consequential damages. Abu Garcia makes no implied warranty of merchantability or fitness for any period beyond the stated duration of each Limited Warranty. This Warranty does not cover damage by addition or alteration of the product, accidental damage or loss, abuse, failure to provide reasonable and necessary maintenance or normal expected wear. Damage that is determined to be of this nature will be repaired at consumer’s expense. This Warranty does not extend to products which are put to commercial or rental use.

This Warranty extends only to the original purchaser of the reel, and does not give any rights to any other person. Some states do not allow exclusions of incidental or consequential damages or limitations of the duration implied warranties, so the above exclusion and limitation may not apply to you. This Warranty gives you specific legal rights and you may have other rights which vary from state to state. Do not send cash or checks to cover the cost of repair for products on which the Limited Warranty period has expired. Abu Garcia’s Authorized Repair Centers will notify you of the amount due, including handling and shipping charges. Wholesalers and dealers (unless an Abu Garcia Authorized Center) are not authorized to make in-warranty repairs or adjustments on behalf of Abu Garcia. The terms of the Warranty cannot be changed except in writing by an officer of Abu Garcia. Abu Garcia rods or reels requiring warranty repair should NOT be returned to the store of purchase.

For information on where to send your products for service, **Click Here.**

