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EGO Power+ ST1620T

EGO POWER+ ST1620T 16-inch Line IQ Telescopic String Trimmer Instruction Manual

Model: ST1620T

1. Safety Information

Always wear eye protection and other appropriate safety gear when using this string trimmer. Be aware of potential flying debris and keep bystanders at a safe distance.
Read and understand all instructions before operating the tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- **Eye Protection:** Always wear safety glasses or goggles with side shields that comply with ANSI Z87.1.
- **Hearing Protection:** Use hearing protection during extended operation.
- **Foot Protection:** Wear sturdy, non-slip footwear.
- **Clothing:** Wear long pants and sleeves to protect against debris. Avoid loose clothing or jewelry that could get caught in moving parts.
- **Clear Work Area:** Ensure the work area is clear of people, pets, and objects that could be thrown by the trimmer line.
- **Inspect Before Use:** Before each use, inspect the trimmer for any damaged parts, loose fasteners, or worn line. Do not operate if damaged.
- **Battery Safety:** Use only EGO POWER+ ARC Lithium™ batteries and chargers. Do not expose batteries to water or extreme temperatures.

2. Product Overview

The EGO POWER+ ST1620T String Trimmer is designed for efficient trimming of weeds and grass. It features advanced technologies for ease of use and durability.



Figure 2.1: The EGO POWER+ ST1620T 16-inch Line IQ Telescopic String Trimmer.

Key Features:

- **LINE IQ™ Technology:** Auto-sensing technology monitors and feeds the line for continuous, high-performance trimming without manual bumping.
- **POWERLOAD™ Technology:** Automatically winds the trimmer line with the press of a button, simplifying line replacement.
- **Telescopic Carbon Fiber Shaft:** Provides strength and durability, with quick length adjustment for user comfort.
- **16-inch Cutting Swath:** Offers efficient coverage for larger areas.
- **Digital 2-Speed Selector:** Allows adjustment of cutting speed for various tasks.
- **High-Efficiency Brushless Motor:** Delivers powerful performance and extended tool life.



Figure 2.2: Close-up of the trimmer head highlighting LINE IQ Technology.



Figure 2.3: Illustration of POWERLOAD Technology for easy line winding.



Figure 2.4: User adjusting the telescopic shaft for comfortable operation.

3. Assembly and Setup

3.1 Attaching the Guard

1. Align the guard with the mounting points on the trimmer head.
2. Secure the guard using the provided fasteners. Ensure it is firmly attached to prevent accidental detachment during operation.

3.2 Adjusting the Auxiliary Handle

1. Loosen the auxiliary handle knob.
2. Slide the handle to a comfortable position that allows for balanced operation.
3. Tighten the knob securely.

3.3 Adjusting the Telescopic Shaft

1. Locate the shaft adjustment collar.
2. Twist the collar to unlock the shaft.
3. Extend or retract the shaft to your desired length for optimal comfort and reach.
4. Twist the collar back to lock the shaft firmly in place.

3.4 Battery Installation

This trimmer requires an EGO 56V ARC Lithium™ battery (sold separately). Ensure the battery is fully charged before use.

1. Align the ribs on the battery with the grooves in the trimmer's battery port.
2. Slide the battery into the port until it clicks securely into place.
3. To remove, press the battery release button and pull the battery out.

Video 3.1: This video demonstrates the EGO POWER+ Battery Platform, showing how batteries are inserted and removed from various EGO tools. It highlights the versatility of the EGO battery system.

3.5 Loading Trimmer Line (POWERLOAD™ Technology)

The POWERLOAD™ system makes line replacement simple and quick.

1. Ensure the trimmer is turned off and the battery is removed.
2. Cut a length of 0.095-inch professional-grade spiral-twist line (approximately 14 feet).
3. Feed one end of the line through the eyelet on the trimmer head until it comes out the opposite eyelet.
4. Pull the line through until both ends extending from the head are roughly equal in length.
5. Insert the battery.
6. Press and hold the POWERLOAD™ button on the trimmer head. The trimmer will automatically wind the line into the spool.
7. Release the button once the line is fully wound, leaving approximately 5-6 inches extending from each side.



Figure 3.1: Close-up of the POWERLOAD button on the trimmer head.

4. Operation

4.1 Starting and Stopping the Trimmer

1. Ensure the battery is securely installed.
2. To start, press the safety lock-off button and then squeeze the trigger.
3. To stop, release the trigger.

4.2 Digital 2-Speed Selector

The trimmer features a digital 2-speed selector for varying power needs.

- **Low Speed:** Ideal for light trimming and extending battery run time.
- **High Speed:** Provides maximum power for tougher weeds and dense grass.

Press the speed selector button to toggle between low and high speeds.



Figure 4.1: Close-up of the handle with the digital speed selector button.

4.3 LINE IQ™ Automatic Line Feed

The LINE IQ™ technology automatically senses and feeds the trimmer line as needed, eliminating the need to bump the head on the ground. This ensures a consistent cutting swath and uninterrupted operation.



Figure 4.2: The trimmer head featuring LINE IQ technology.

4.4 Trimming Techniques

- **Sweeping Motion:** Use a side-to-side sweeping motion to cut grass and weeds.
- **Edging:** Tilt the trimmer head to a vertical position to create clean edges along sidewalks and driveways.
- **Around Obstacles:** Use caution when trimming around trees, fences, and other obstacles to avoid damaging the trimmer line or the objects.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your trimmer.

5.1 Cleaning

1. Always remove the battery before cleaning.
2. Use a dry cloth to wipe down the exterior of the trimmer.
3. Remove any grass clippings or debris from the guard and trimmer head. A small brush can be used for hard-to-reach areas.

4. Do not use harsh chemicals or abrasive cleaners.

5.2 Trimmer Line Replacement

When the trimmer line runs out, replace it using the POWERLOAD™ technology as described in Section 3.5. Use only 0.095-inch professional-grade spiral-twist line.

5.3 Storage

1. Remove the battery from the trimmer before storing.
2. Clean the trimmer thoroughly.
3. Store the trimmer in a dry, well-ventilated area, out of reach of children.
4. Avoid storing in direct sunlight or areas with extreme temperatures.

6. Troubleshooting

If you encounter issues with your EGO POWER+ ST1620T String Trimmer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Trimmer does not start	Battery not installed correctly Battery not charged Safety lock-off not engaged	Ensure battery is fully seated and clicked into place Charge the battery Press the safety lock-off button before squeezing the trigger
Trimmer line does not feed	Line tangled or jammed Incorrect line type/size POWERLOAD button not pressed correctly	Remove battery, clear any tangles or debris from head Use recommended 0.095-inch spiral-twist line Ensure POWERLOAD button is pressed firmly and held
Reduced cutting performance	Worn or short trimmer line Battery charge low Operating in low speed for heavy tasks	Replace or advance trimmer line Recharge battery Switch to high speed for tougher conditions
Excessive vibration	Damaged trimmer head or line Loose components	Inspect trimmer head and line for damage, replace if necessary Check all fasteners and tighten as needed

If problems persist after following these steps, please contact EGO customer support.

7. Specifications

Key technical specifications for the EGO POWER+ ST1620T String Trimmer:

Feature	Specification
Brand	EGO Power+
Model Number	ST1620T
Power Source	Battery Powered (EGO 56V ARC Lithium™)
Cutting Width	16 inches

Feature	Specification
Line Type	0.095 inch Professional-grade, dual line spiral-twist
Motor Type	High-Efficiency Brushless Motor
Speed	Digital 2-Speed Selector (up to 8000 rpm)
Item Weight	7.7 pounds (tool only)
Battery Average Life	Up to 60 minutes (with recommended EGO 4.0Ah 56V ARC Lithium™ battery)
Shaft Type	Telescopic Carbon Fiber
UPC	692042014109

8. Warranty and Support

8.1 Product Warranty

The EGO POWER+ ST1620T String Trimmer is backed by a 5-year tool warranty. The carbon fiber shaft is backed by a lifetime warranty when registered within 90 days of purchase. Please refer to the official EGO Power+ warranty documentation for full terms and conditions.

Figure 8.1: EGO POWER+ 5-Year Tool Warranty badge.

8.2 Customer Support

For technical assistance, parts, or warranty claims, please contact EGO Power+ customer support through their official website or the contact information provided in your product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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