DREMEL®
LITE™

QUICK START
GUIDE SUPPORTS:
7760-N/10
7760-N/10B
7760-N/10W

QUICK START GUIDE

CARVING / ENGRAVING | GRINDING / SHARPENING | CLEANING / POLISHING | SANDING

DREMEL® LITE™

WELCOME TO DREMEL!

Thank you for purchasing this Dremel Rotary tool! We hope that you'll find it to be one of the handiest and most versatile tools you'll own. This guide has what you need to help you get started, and in a few easy steps, you'll be on your way to making something great!

GETTING TO KNOW THE TOOL

WHAT IS A ROTARY TOOL?

Rotary tools are handheld power tools that use high-speed & low torque to tackle a variety of useful tasks with precision & control, allowing you to cut, sand, grind, polish or engrave, depending on the type of accessory being used.

Dremel carries a variety of accessories that go into the tool & can be used to do a variety of applications. Dremel also carries several types of job-specific attachments that can be threaded onto the rotary tool in place of the nose cap to expand its use.

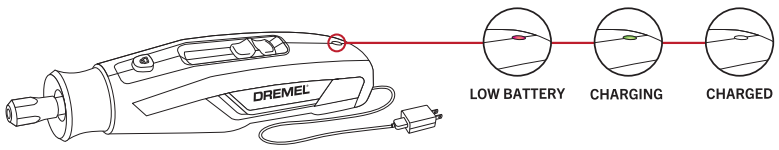
APPLICATION	DEFINITION	7600 LITE NOTES
Cutting	Cutting in a wide range of different materials. Tip: Cut-off wheels & cutting discs ensure optimal results in different materials.	Not recommended. See Dremel.com for our High Performance Rotary tool options.
Carving / Engraving	Making surface cuts in material to produce a shaped groove or tapered holes.	106 To engrave into glass, a Diamond Wheel point should be used.*
Grinding / Sharpening	Removing excess material from a piece or creating a sharp edge on a tool designed for cutting.	952 To use with non-ferrous materials like stone, glass, ceramics or porcelain a Silicon Carbide Grinding Stone should be used.*
Cleaning / Polishing	To make a surface smooth or shiny by rubbing	414, 429, 421 (polishing compound) & 403.
Sanding	Smoothing or polishing material surface.	407
Routing	Hallowing out surface area of a material to create grooves, rebates, inlays, & profile edges.	Not recommended. See Dremel.com for our High Performance Rotary tool options.
Collets	Collets offer the most precise way to hold an accessory in your Dremel Lite.	480 - The collet supplied in the kit is for accessories with a 1/8" shank.
Misc	Drilling in a wide range of different materials.	Not recommended for drilling. See Dremel.com for our High Performance Rotary tool options.

* Not Included in 7760 Kit.

GETTING STARTED

1 CHARGE IT!

Fully charge the tool before use (approximately 2 hours & 45 minutes). A green light will illuminate from the indicator while charging, which will turn off once fully charged. A red light will turn on when battery is low. For optimal run-time, charge tool using a 5V/1a minimum power adapter.



TIP: A red LED light will turn on when the tool stalls. If this happens, remove the tool from the material, shut the tool off, & resume use without excess pressure. If stalling persists, consider using a different accessory, technique, or tool for the job.

2 SELECT THE RIGHT ACCESSORY

APPLICATION	MODEL NUMBER	MATERIALS	SPEED SETTING	TIPS
Carving / Engraving	#106 – 1/16" Engraving Cutter	Soft & Hard Woods, Soft & Hard Metals, Plastics, Laminates	3 or 4	**Great for detail engraving** For hard woods, make shallow passes in the direction of wood grain to prevent premature wear of accessory & stalling of tool.
Grinding / Sharpening	#952 – 3/8" Grinding Stone 	Soft & Hard Metals, Stone, Glass	3 (Soft Materials) 4 (Hard Materials)	**Sharpening, deburring, & general purpose grinding & shaping** Work against direction of rotation of head for optimal control. Apply light pressure to prevent stalling of tool & excessive wear on accessory or damage to material.
Sanding	#407 – ½" 60 Grit Sanding Mandrel + Band 	Soft & Hard Woods, Soft & Hard Metals, Stone, Ceramic, Laminates, Plastic	3 (Soft Materials) 4 (Hard Materials)	**Rough shaping & sanding** Work against direction of rotation for optimal control and to avoid damaging sanding bands. Apply light pressure to prevent dips & burn marks in work piece.
Cleaning / Polishing	#414 – ½" Felt Wheel #429 – 1" Felt Wheel 	Soft & Hard Metals, Stone, Shell, Glass, Ceramic	1 or 2	**Polishing & shining. Can be used with polishing compound** Only the side of the polishing wheel should come into contact with work piece, not the flat surface. Recommend using clean felt wheel to remove excess compound & reduce remaining film on material.
	#403 – Nylon Bristle Brush 	Soft & Hard Woods, Soft & Hard Metals, Plastics	2	**Cleaning & polishing. Can be used with polishing compound** Do not exceed recommended speed. Apply very little pressure using the ends of the bristle brush to avoid premature wear on accessory.
	#421 – Polishing Compound 	Soft & Hard Metals, Stone, Shell, Glass, Ceramic	1	**Polishing & Brightening. Can be used with cleaning/polishing accessories** Apply light coat of compound to accessory by using tool at lowest speed & gently allowing contact between side of accessory & compound. Apply very little pressure to prevent compound from burning.

Soft Wood (pine, cedar, cherry, balsa, birch, ash...) **Soft Metal** (copper, aluminum, brass, silver, bronze...)
Hard Wood (oak, walnut, maple, birch, mahogany...) **Hard Metal** (steel, tungsten, titanium...)

3 INSTALL THE ACCESSORY

Loosen the collet nut by pressing down on the shaft lock button & rotate collet nut by hand until the collet opens up to allow an accessory to be placed in it. Once the accessory is placed in the collet, hold the shaft lock button down & use the included collet wrench or EZ Twist Nose Cap (with integrated wrench) to tighten the collet nut & secure the accessory in the collet (figure 1).

TIP: Dremel has 4 different size collets, your kit includes a 1/8" shank size collet. Visit Dremel.com to find other accessories that can be used with the Lite.

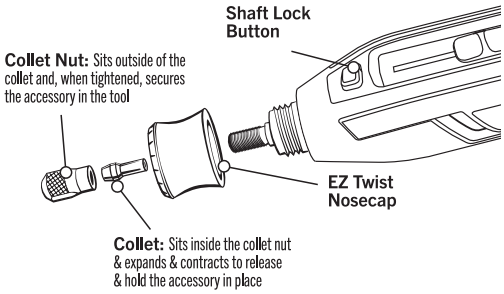


FIG. 1

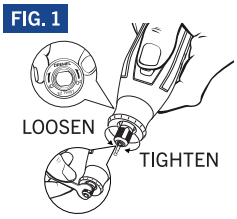
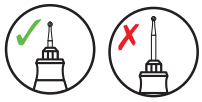


FIG. 2



CHECK INSTALLATION

When changing accessories, insert the new one into the collet as far as possible to minimize runout & unbalance. Avoid excessive tightening of the collet nut when there is no bit inserted (figure 2). Always check that the accessory is securely installed before operating the tool.

TIP: If the collet is stuck to the collet nut & does not open up, preventing the accessory from being inserted, use the shank of the accessory to gently loosen the collet from the collet nut.

4 GRIP IT!

PENCIL GRIP

For more control in close or detailed work, grip the tool like a pencil between your thumb & forefinger.

GOLF GRIP

Used for more aggressive operations such as sanding or grinding.

TIP: To prevent overheating the tool, whenever possible, do not grip the tool where it would block the ventilation openings.

5 OPERATE IT!

LET SPEED DO THE WORK!

Don't apply excessive pressure. Let the speed of the tool do the work. Leaning on the tool does not help & will stall the tool. The tool may also stall if the accessory becomes bound in the work piece, especially at high speeds. The LED light will flash red when the tool stalls. Make sure the tool is fully charged & the ventilation opening is clear.

TIP: PRACTICE
See accessory grid for recommended speed settings. The best way to determine the correct speed for work on any material is to practice for a few minutes on a piece of scrap material.

⚠ CAUTION: Avoid engaging the shaft lock button while tool is in operation. Doing so will result in severe internal damage of the tool.

BEST PRACTICES & ADDITIONAL TIPS

- Whatever accessory you choose to use, always start your Dremel at the lowest recommended speed & build up to the desired speed.
- Turn off tool before making any adjustments or changing accessories.
- Wear personal protective equipment. Depending on application, use dust mask, safety glasses, or work gloves.
- To maximize the run time, apply minimal pressure on the tool & use recommended speed setting for the application.