FREEDOM

18V Cordless Oscillating Multi-Tool

MODEL FT1002

INSTRUCTION MANUAL

■ IMPORTANT: Please read this manual carefully before using your tool. Keep it in a safe place for future reference. Failure to follow instructions may result in serious injury.

FREEDOM 18V CORDLESS OSCILLATING MULTI-TOOL

Thank you for choosing Freedom Tools!

Please read this manual carefully before using your new oscillating multi-tool.

Keep it handy for future reference.

WHAT'S IN THE BOX

- Freedom 18V Cordless Oscillating Multi-Tool (FT1002)
- Assorted Accessory Blades and Pads
- Hex Wrench for Accessory Installation
- Universal Adapter (for competitor accessories)
- Instruction Manual

NOTE: Battery pack and charger are sold separately.

INTENDED USE

Your Freedom Oscillating Multi-Tool is designed for

CUTTING:

- Wood, plywood, and composite materials
- Plastic and PVC
- Drywall and plaster
- Non-ferrous metals (copper, aluminum, brass)
- Fasteners (nails, staples, screws)
- Flush cutting close to walls and edges

SANDING:

- Detail sanding in tight spaces
- Corners and edges
- Small to medium surfaces
- Wood, metal, paint, and varnish

SCRAPING:

- Removing old paint and varnish
- Scraping adhesives and caulk
- Removing grout between tiles
- Cleaning surfaces

This tool is NOT intended for

- Heavy-duty demolition work

- Cutting thick metal or steel
- Wet sanding
- Polishing or buffing
- Any use not described in this manual

TECHNICAL SPECIFICATIONS

Model Number: FT1002

Voltage: 18V DC

Battery Type: Lithium-Ion

No-Load Speed: 5,000 - 18,000 oscillations per minute (OPM)

Oscillation Angle: 3.0 degrees

Speed Settings: 6 variable speed positions

Accessory Mount: 12-position (30° increments)

Charging Time: 3-5 hours

Weight: Approximately 3.2 lbs (with battery)

KNOW YOUR OSCILLATING MULTI-TOOL - PARTS IDENTIFICATION

1. Accessory Mounting Plate (12-position)
2. Hex Bolt (for securing accessories)
3. Hex Wrench (included)
4. Universal Adapter (for competitor accessories)
5. Variable Speed Dial (1-6 settings)
6. Slide ON/OFF Switch
7. Soft Grip Handle
8. Battery Pack (18V Li-Ion)
9. Battery Release Buttons
10. Battery Level Indicator
11. Motor Ventilation Slots
12. LED Work Light (if equipped)

IMPORTANT SAFETY INFORMATION

■ WARNING: Failure to follow these safety instructions may result in electric shock, fire, serious injury, or death.

SAVE THESE INSTRUCTIONS - Keep this manual in a safe place for future reference.

GENERAL POWER TOOL SAFETY

WORK AREA SAFETY

• Keep your work area clean and well-lit. Cluttered or dark areas increase the risk of accidents.
• DO NOT operate power tools near flammable liquids, gases, or dust. Power tools create sparks that can ignite fumes or dust.
• Keep children and bystanders at least 10 feet away while operating this tool.

ELECTRICAL SAFETY

• Keep the charger away from rain and moisture.
• Never use the charger if the cord or plug is damaged.
• Keep the charging cord away from heat, oil, sharp edges, and moving parts.
• If you must use an extension cord with the charger, use only cords rated for outdoor use.
• If working in damp locations, use a residual current device (RCD) protected outlet or circuit.

PERSONAL SAFETY

• Stay alert. Don't use power tools when you're tired or under the influence of drugs, alcohol, or medication.
• Always wear safety glasses or goggles. Also wear a dust mask, hearing protection, and gloves when appropriate.
• Prevent accidental starting. Make sure the switch is OFF before inserting the battery.
• Don't overreach. Keep proper footing and balance at all times.
• Dress appropriately. Don't wear loose clothing or jewelry. Keep long hair tied back. Loose items can get caught in moving parts.
• If the tool has a dust collection port, make sure it's connected and working properly.

TOOL USE AND CARE

• Use the right tool for the job. Don't force a tool to do something it wasn't designed for.
• Don't use the tool if the switch doesn't turn it on and off properly. A tool that can't be controlled is dangerous and must be repaired.
• Remove the battery before making adjustments, changing accessories, or storing the tool.
• Store the tool out of reach of children. Never let anyone unfamiliar with power tools or these instructions operate this tool.
• Maintain your tools. Check for damaged parts and any other condition that

might affect operation. Have damaged tools repaired before use.

- Keep cutting accessories sharp and clean. Sharp accessories are safer and more efficient.
- Use only accessories recommended for this tool. Using the wrong accessories can be dangerous.

BATTERY SAFETY

- Only use the Freedom charger that came with this tool. Using the wrong charger can cause fires.
- Only use Freedom 18V battery packs with this tool.
- When the battery is not in the tool, keep it away from metal objects like paper clips, coins, keys, nails, and screws. These can short-circuit the battery terminals and cause burns or fire.
- Under extreme conditions, battery liquid may leak. If it touches your skin, wash immediately with soap and water. If it gets in your eyes, flush with water for 15 minutes and seek medical attention immediately.

OSCILLATING TOOL-SPECIFIC SAFETY

■ HOLD THE TOOL BY THE INSULATED GRIP AREAS when working where you might hit hidden wiring. Contact with a live wire can electrify exposed metal parts and shock the operator.

■ SECURE YOUR WORKPIECE with clamps or a vise. Holding work by hand or against your body is unstable and dangerous.

■ CHECK FOR HIDDEN UTILITIES before cutting into walls. Use a stud finder or metal detector to locate wires, pipes, and other hazards. If unsure, turn off power at the breaker box.

■ STRIKING A GAS LINE will cause an explosion. Hitting a water pipe can cause flooding and electrocution. Call your local utility company if you're unsure what's behind a wall.

■ HOLD THE TOOL WITH BOTH HANDS for maximum control. Keep proper footing and balance at all times.

■ KEEP HANDS AWAY from the cutting area. Don't reach under material being cut.

■ DON'T USE DULL OR DAMAGED ACCESSORIES. Bent or damaged accessories can break and cause injury.

■ ACCESSORIES ARE SHARP - Handle with care. Wear protective gloves when changing accessories.

■ ACCESSORIES GET HOT during use. Allow to cool before touching or changing.

■ VIBRATION WARNING: Use thick, cushioned gloves and take frequent breaks. Prolonged exposure to vibration can cause hand and arm injuries.

■ CHECK FOR NAILS before scraping. Remove nails or set them below the surface. Hitting a nail can cause the tool to jump.

■ DON'T WET SAND with this tool. Liquids entering the motor housing can cause electric shock.

■ DON'T WORK IN WET AREAS or on freshly applied wallpaper. There is an electric shock hazard when working in damp conditions.

■ ALWAYS WEAR EYE PROTECTION AND A DUST MASK, especially when sanding overhead. Sanding particles can be inhaled and absorbed by your eyes.

■ LEAD PAINT WARNING: If sanding paint that may contain lead (pre-1978 homes),

take special precautions

- Wear a respirator approved for lead dust
- Wear protective clothing
- Seal the work area with plastic sheeting
- Keep unprotected persons out of the area
- Clean up thoroughly with a HEPA vacuum
- Lead exposure can cause birth defects and other serious health problems

■ PRESSURE-TREATED LUMBER WARNING: Wear a respirator and protective clothing when sanding chemically treated lumber. These materials may contain carcinogens.

■ DON'T USE OVERSIZED SANDPAPER. Sandpaper larger than the pad will extend beyond the edge, causing snagging, tearing, kickback, and possible lacerations.

ADDITIONAL SAFETY WARNINGS

- Use GFCI (Ground Fault Circuit Interrupter) protection when working in damp

locations.

- Wear electrician's rubber gloves and insulated footwear for additional

protection.

- Keep handles dry, clean, and free from oil and grease. Slippery hands cannot

safely control the tool.

- Establish a regular maintenance schedule. Don't disassemble the tool -

internal wires may be damaged.

- Don't use harsh cleaning agents like gasoline, carbon tetrachloride, or

ammonia - these can damage plastic parts.

- Make sure the switch is OFF before inserting the battery. Inserting the

battery with the switch ON can cause accidents.

■ DUST HAZARD WARNING: Some dust created by sanding, sawing, grinding, and drilling contains chemicals known to cause cancer, birth defects, and

reproductive harm. Examples include

- Lead from lead-based paints
- Crystalline silica from bricks, cement, and masonry
- Arsenic and chromium from pressure-treated lumber

To reduce exposure

- Work in a well-ventilated area
- Use a dust collection system
- Wear an approved respirator or dust mask

- Don't eat, drink, or smoke in the work area
- Wash hands and face thoroughly after use

BATTERY AND CHARGER SAFETY

BATTERY WARNINGS

- DO NOT disassemble, open, crush, bend, puncture, or shred the battery.
- DO NOT expose to fire, excessive heat, or microwave ovens.
- DO NOT immerse in water or other liquids.
- DO NOT short-circuit the battery terminals.
- DO NOT modify or attempt to repair the battery.
- Dispose of used batteries according to local regulations.
- Supervise children around batteries and tools.
- Use only with Freedom chargers and tools.

BATTERY CARE

- Keep batteries away from metal objects when not in use (paper clips, coins, keys, nails, screws, etc.). These can short the terminals and cause burns or fire.
- DO NOT PUT BATTERIES IN FIRE OR EXPOSE TO HIGH HEAT - they may explode.

BATTERY DISPOSAL

- Don't attempt to disassemble the battery.
- Prior to disposal, protect exposed terminals with heavy insulating tape to prevent shorting.
- Take to a proper battery recycling facility.

CHARGER SAFETY

- Read all instructions before using the charger.
- DO NOT expose charger to rain or snow.
- Pull by the plug, not the cord, when disconnecting.
- Keep the cord away from foot traffic and heat sources.
- Use an extension cord only if absolutely necessary.
- Use only the supplied Freedom charger.
- Charge only one battery at a time.
- DO NOT attempt to open the charger.
- DO NOT incinerate batteries - they can explode.
- DO NOT charge in explosive atmospheres.

UNDERSTANDING RISKS

Even when used properly, some risks cannot be eliminated

1. Lung damage if you don't wear an effective dust mask
2. Hearing damage if you don't wear hearing protection
3. Health problems from vibration if the tool is used for extended periods

without breaks

■ ELECTROMAGNETIC FIELD WARNING: This tool produces an electromagnetic field during operation. If you have a pacemaker or other medical implant, consult your doctor and the implant manufacturer before using this tool.

GETTING STARTED

CHARGING THE BATTERY (FIRST TIME USE)

Before using your tool for the first time, fully charge the battery

1. Insert the battery pack into the charger stand. Make sure the + and -

terminals align correctly (correct polarity).

2. Plug the charger into a standard wall outlet (100-240V AC).
3. The indicator light will turn RED, showing the battery is charging.
4. When fully charged (3-5 hours), the indicator light will turn GREEN.
5. Unplug the charger from the wall outlet.
6. Remove the battery from the charger.

IMPORTANT CHARGING NOTES:

- The battery reaches full capacity after 3-5 charge/discharge cycles.
- The charger, adapter, and battery will feel warm during charging - this is

normal.

- Always unplug the charger from the wall BEFORE disconnecting the battery

(fire hazard prevention).

BATTERY MAINTENANCE:

- Recharge when you notice reduced performance. Don't continue using a weak

battery.

- Recharge at least every 6 months, even if not in use.
- DON'T overcharge. Remove the battery after 5 hours maximum.
- DON'T recharge immediately after charging. Let the battery rest for at least

15 minutes.

- If storing the tool for a long time, recharge the battery before use.
- If charging multiple batteries, wait at least 15 minutes between charges.

• NEVER leave a charging battery unattended.

INSTALLING THE BATTERY

1. Align the battery pack with the battery slot on the tool handle.
2. Slide the battery in until it clicks into place.
3. To remove: Press both battery release buttons and pull the battery out.

ACCESSORY INSTALLATION AND REMOVAL

■ ALWAYS REMOVE THE BATTERY before installing or removing accessories!

■ WEAR PROTECTIVE GLOVES - Accessories are sharp and may be hot after use.

INSTALLING ACCESSORIES

Your Freedom Oscillating Multi-Tool uses a 12-position mounting system that allows you to attach accessories at 30-degree increments for optimal working angles.

1. Remove the battery from the tool.
2. Select the appropriate accessory for your task (see Accessory Guide below).
3. Align the holes in the accessory with the locating pins on the accessory mounting plate.
4. Choose the desired angle (12 positions available, 30° apart).
5. Make sure the pins fully engage into the holes in the accessory.
6. Insert the hex bolt through the center hole.
7. Use the included hex wrench to tighten the bolt securely. Don't overtighten.
8. Tug on the accessory to make sure it's secure.

REMOVING ACCESSORIES

1. Remove the battery from the tool.
2. Use the hex wrench to loosen and remove the hex bolt.
3. Pull the accessory straight off the mounting plate.
4. Store accessories safely in a dry place.

USING THE UNIVERSAL ADAPTER

The included universal adapter allows you to use most competitor oscillating tool accessories with your Freedom tool.

1. Install the adapter on the mounting plate using the hex bolt.
2. Attach the competitor accessory to the adapter according to its design.
3. Tighten securely.

Note: Some competitor accessories may not fit or perform optimally. Use Freedom accessories for best results.

INSTALLING SANDING SHEETS

Your tool uses hook-and-loop (Velcro-style) backed sandpaper that attaches directly to the sanding pad.

1. Remove the battery.
2. Install the sanding pad accessory on the mounting plate.
3. Remove dust from the sanding pad surface if necessary.
4. Peel the backing off the sandpaper.
5. Press the sandpaper firmly onto the sanding pad. Make sure it's centered and fully adhered.
6. To remove: Simply peel off the old sandpaper.

SANDING PAD CARE:

- The hook-and-loop surface will wear out over time
- Replace the pad when it no longer holds sandpaper firmly
- Don't apply excessive pressure during sanding - this accelerates pad wear
- Keep the pad clean and free of debris

ACCESSORY SELECTION GUIDE

Choose the right accessory for your task

CUTTING ACCESSORIES

BIM SEGMENT SAW BLADE (Bi-Metal)

Materials: Hard and soft wood, plastic, non-ferrous metals

Applications

- Separating and plunge cuts
- Sawing close to edges and in corners
- Hard-to-reach areas
- Shortening installed door hinges or trim
- Plunge cuts for adjusting floor panels

HCS PLUNGE CUT SAW BLADE (High Carbon Steel)

Materials: Wood, plastic, drywall, gypsum, soft materials

Applications

- Separating and deep plunge cuts
- Sawing close to edges and in corners
- Cutting PVC pipes flush against walls
- Cutting cable ducts against floors or ceilings

BIM PLUNGE CUT SAW BLADE (Bi-Metal, narrow)

Materials: Hard and soft wood, metal (nails, screws, small profiles), non-ferrous metals

Applications

- Smaller separating and plunge cuts
- Shortening narrow profiles
- Cutting fasteners like staples and nails

HM-RIFF SEGMENTED SAW BLADE (Carbide Grit)

Materials: Grout, soft wall tiles, fiberglass-reinforced plastic, abrasive materials

Applications

- Cutting and separating close to edges
- Removing grout between wall tiles for repair
- Cutting openings in tiles
- Cutting drywall and cement board

SCRAPING ACCESSORIES

RIGID SCRAPER (Stiff Blade)

Materials: Wood, plastic, drywall, soft materials

Applications

- Scraping off old paint or varnish
- Removing adhesives
- Removing bonded carpeting
- Small to medium surfaces
- Stairs and steps

FLEXIBLE SCRAPER (Soft Blade)

Materials: Silicone, caulk, elastic materials

Applications

- Removing putty and soft residue
- Scraping in confined areas
- Removing caulk from bathtubs and sinks
- Delicate surfaces

SANDING ACCESSORIES

SANDING PAD (Hook-and-Loop Base)

Materials: Depends on sandpaper grit

Applications

- Sanding surfaces close to edges
- Sanding in corners
- Hard-to-reach areas
- Wood, paint, varnish, stone, glass
- Detail work and finishing

SANDPAPER SHEETS (Various Grits)

- Coarse (40-60 grit): Heavy material removal, paint stripping
- Medium (80-120 grit): General sanding, smoothing rough wood
- Fine (150-220 grit): Final sanding, preparing for finish
- Extra Fine (320+ grit): Final finishing, smoothing between coats

OPERATING YOUR OSCILLATING MULTI-TOOL

BEFORE EACH USE - SAFETY CHECK

- Inspect the accessory for damage or wear
- Make sure the accessory is properly installed and secure
- Check that the battery is fully charged and locked in place
- Verify the switch works properly
- Wear safety glasses, dust mask, hearing protection, and gloves

TURNING THE TOOL ON AND OFF

Your Freedom Oscillating Multi-Tool has a slide switch located on top of the motor housing.

TO TURN ON:

- Slide the switch forward to the "I" position
- The tool will start oscillating

TO TURN OFF:

- Slide the switch backward to the "0" position
- The tool will stop

■ HOLD THE TOOL WITH BOTH HANDS when starting. The motor torque can cause the tool to twist.

VARIABLE SPEED DIAL

Your tool has a 6-position variable speed dial for different materials and applications.

SPEED SETTINGS:

Position 1 (Lowest - 5,000 OPM)

- Delicate materials
- Plastic (to prevent melting)
- Starting cuts

Position 2 (8,000 OPM)

- Soft woods
- Light scraping
- Fine sanding

Position 3 (11,000 OPM)

- General wood cutting
- Medium scraping
- General sanding

Position 4 (14,000 OPM)

- Hardwoods
- Drywall
- Heavy scraping

Position 5 (16,000 OPM)

- Metal cutting
- Grout removal
- Aggressive material removal

Position 6 (Highest - 18,000 OPM)

- Maximum power
- Fast cutting
- Heavy-duty applications

GENERAL GUIDELINES:

- Start with a lower speed and increase as needed
- Lower speeds = more control, less material removal
- Higher speeds = faster cutting, more aggressive

USING YOUR OSCILLATING MULTI-TOOL

SCRAPING

APPLICATIONS:

- Removing old paint and varnish
- Scraping adhesives and caulk
- Removing bonded carpeting
- Cleaning surfaces
- Removing grout

TECHNIQUE:

1. Install the appropriate scraper (rigid or flexible).
2. Select medium to high speed (positions 3-5).
3. Put on safety glasses, dust mask, and gloves.
4. Install the battery.
5. Turn on the tool and let it reach full speed.
6. Position the scraper at a flat angle to the surface (about 15-30 degrees).
7. Apply light, steady pressure. Let the oscillating motion do the work.
8. Work with the accessory moving away from your body.
9. The scraping action only occurs when pressure is applied.

TIPS:

- Don't use excessive pressure - this can gouge or damage the underlying surface
- Keep both hands on the tool
- Work in sections for large areas
- Take breaks to let the tool cool
- For stubborn material, use a heat gun first to soften it

SANDING

APPLICATIONS:

- Detail sanding in tight spaces
- Corners and edges
- Small to medium surfaces
- Wood, metal, paint, varnish
- Profiles and grooves
- Hard-to-reach areas

TECHNIQUE:

1. Install the sanding pad accessory.
2. Attach the appropriate grit sandpaper to the pad.

3. Select the speed based on material

- Soft wood: Position 2-3
- Hard wood: Position 3-4
- Metal: Position 4-5
- Paint removal: Position 4-5

4. Put on safety glasses and dust mask.
5. Secure the workpiece with clamps.
6. Turn on the tool and let it reach full speed.
7. Contact the work surface with the sanding pad.
8. Move the tool in long, steady strokes.
9. Overlap strokes by about 75%.
10. Don't apply excessive pressure - let the tool do the work.
11. For profiles and grooves, use the tip or edge of the sanding pad.
12. Rotate the accessory occasionally to distribute wear evenly.

SANDPAPER SELECTION GUIDE:

Coarse (40-60 grit)

- Rough wood sanding
- Rust or old finish removal
- Heavy material removal

Medium (80-120 grit)

- General wood sanding
- Metal sanding
- Smoothing rough surfaces

Fine (150-220 grit)

- Final finishing of wood
- Smoothing metal and plaster
- Preparing surfaces for paint

Extra Fine (320+ grit)

- Final sanding of bare wood
- Smoothing old paint
- Preparing finished surfaces for recoating

TIPS:

- Start with coarser grit and work up to finer grits
- Sand with the grain on wood
- Keep the tool moving - don't stay in one spot
- Don't apply excessive pressure
- Change sandpaper when it becomes clogged or worn
- Use a vacuum or dust collection system if possible

SAWING AND CUTTING

APPLICATIONS:

- Cutting wood, plastic, drywall
- Cutting non-ferrous metals
- Plunge cuts
- Flush cuts against walls
- Cutting fasteners (nails, screws)
- Trimming door jambs
- Cutting flooring

TECHNIQUE:

1. Install the appropriate saw blade for your material.
2. Select high speed (positions 5-6).
3. Put on safety glasses, hearing protection, dust mask, and gloves.
4. Mark your cut line clearly.
5. Secure the workpiece firmly with clamps.
6. Turn on the tool and let it reach full speed.
7. Position the blade at the start of the cut.
8. Apply steady, moderate pressure. Let the blade cut at its own pace.
9. Don't force the tool - this can damage the blade or motor.
10. For plunge cuts, start at a shallow angle and gradually increase pressure

as the blade enters the material.

MATERIAL-SPECIFIC TIPS:

WOOD:

- Use HCS or BIM segment blade
- Cut with steady pressure
- Don't force the blade
- Support the workpiece to prevent binding

METAL:

- Use BIM blade
- Use high speed
- Apply light pressure
- Let the blade cool periodically
- Use cutting oil for easier cutting

DRYWALL/PLASTER:

- Use HCS plunge cut blade
- Medium to high speed
- Wear a dust mask - very dusty!
- Check for wires and pipes first

PLASTIC:

- Use HCS blade
- Use lower speed to prevent melting
- Apply light pressure

NAILS/SCREWS:

- Use BIM plunge cut blade
- High speed
- Apply steady pressure
- Blade will wear faster when cutting metal

FLUSH CUTTING:

- Position the blade flat against the surface
- Apply steady pressure
- Guide the tool carefully along the surface

GROUT REMOVAL

APPLICATIONS:

- Removing grout between tiles for repair
- Cleaning out old grout for regrouting

TECHNIQUE:

1. Install the HM-Riff segmented carbide blade.
2. Select high speed (position 5-6).
3. Put on safety glasses and dust mask (very dusty!).
4. Position the blade in the grout line.

5. Apply moderate pressure and guide the tool along the grout line.
6. Work carefully to avoid chipping the tiles.
7. Remove grout to a depth of about 1/8" to 1/4".

TIPS:

- Work slowly and carefully
- Don't apply excessive pressure near tile edges
- Use a vacuum to collect dust as you work
- Carbide blades last longer than metal blades for this application

OPERATING TIPS FOR BEST RESULTS

DO

✓ Use the correct accessory for the material
✓ Start with lower speed and increase as needed
✓ Secure your workpiece firmly
✓ Wear appropriate safety equipment
✓ Let the tool reach full speed before contacting material
✓ Use steady, even pressure
✓ Take breaks to let the tool cool
✓ Keep accessories sharp and in good condition
✓ Hold the tool with both hands

DON'T:

✗ Force the tool - let it work at its own pace
✗ Use damaged or worn accessories
✗ Apply excessive pressure
✗ Work in one spot too long (can damage surface or overheat tool)
✗ Use the tool without safety equipment
✗ Operate with a low battery (reduced performance)
✗ Touch accessories immediately after use (hot!)
✗ Use oversized sandpaper

MAXIMIZING BATTERY LIFE

- Fully charge before first use
- Don't completely drain the battery
- Recharge when you notice reduced performance
- Use the correct accessory and speed for the material
- Don't force the tool

- Store the battery in a cool, dry place
- Recharge every 6 months if not in use

PREVENTING ACCESSORY DAMAGE

- Use the correct accessory for the material
- Don't force or bend accessories
- Avoid hitting nails or screws (unless using BIM blade)
- Don't use damaged accessories
- Store accessories properly when not in use
- Allow accessories to cool before handling

TYPICAL APPLICATIONS AND PROJECTS

RENOVATION WORK:

- Removing old tile adhesive
- Cutting out damaged drywall sections
- Removing grout for tile repair
- Trimming door jambs for new flooring
- Flush-cutting protruding nails
- Removing old caulk

CLEANING WORK:

- Cleaning tile surfaces
- Removing paint splatters
- Cleaning wood surfaces
- Removing adhesive residue

PREPARATION WORK:

- Preparing surfaces for new flooring
- Preparing surfaces for new tile
- Sanding in tight corners
- Smoothing plaster and mortar

DETAIL SANDING:

- Sanding louvered panels
- Sanding in extremely tight areas
- Craft projects
- Furniture restoration
- Areas that require hand sanding

PLUMBING WORK:

- Cutting PVC pipes flush with walls
- Trimming plastic pipe
- Removing old caulk around fixtures

FLOORING INSTALLATION:

- Undercutting door jambs
- Trimming baseboards
- Cutting flooring in place
- Removing old adhesive

CARPENTRY:

- Flush-cutting dowels
- Trimming wood plugs
- Detail sanding
- Removing excess glue

MAINTENANCE AND CLEANING

■ **ALWAYS REMOVE THE BATTERY BEFORE MAINTENANCE OR CLEANING!**

AFTER EACH USE:

- Wipe the tool with a dry or slightly damp cloth
- Remove dust and debris from the accessory mounting area
- Check accessories for damage or wear
- Remove the accessory if storing for more than a few days

REGULAR MAINTENANCE:

- Keep the ventilation slots clean and free of dust
- Use compressed air to blow out dust from the motor area
- Inspect the power cord on the charger for damage
- Check that the hex bolt and mounting pins are in good condition
- Inspect accessories for wear or damage

CLEANING:

- Use only a dry or slightly damp cloth
- NEVER use water, solvents, gasoline, paint thinner, or harsh chemicals
- Don't spray cleaners directly on the tool
- Clean the accessory mounting plate with a soft brush

ACCESSORY CARE:

- Clean accessories after each use
- Remove pitch and resin buildup from saw blades
- Store accessories in a dry place
- Replace worn or damaged accessories
- Keep cutting accessories sharp

STORAGE:

- Store in a cool, dry place
- Remove the battery if storing for more than 30 days
- Keep out of reach of children
- Store in the original case or a secure location
- Store accessories separately in a safe container

REPAIRS:

- For your safety, all repairs must be performed by an authorized Freedom

service center
- Use only genuine Freedom replacement parts
- Never attempt to disassemble the tool or battery pack

TROUBLESHOOTING

PROBLEM: Tool won't start

- Check that battery is fully charged and installed correctly
- Make sure the switch moves freely
- Try a different battery if available
- Let the tool cool down if it's been used heavily
- Check that the switch is in the OFF position before inserting battery

PROBLEM: Tool runs but has no power

- Recharge the battery
- Check that you're using the correct speed setting
- Make sure the accessory is properly installed
- Use a sharp accessory - dull accessories require more power
- Don't apply excessive pressure

PROBLEM: Tool vibrates excessively

- Check that accessory is properly installed and secure
- Tighten the hex bolt
- Replace bent or damaged accessory
- Make sure mounting pins are fully engaged in accessory holes

PROBLEM: Accessory won't stay attached

- Tighten the hex bolt more firmly (but don't overtighten)
- Check that mounting pins are not damaged
- Make sure accessory holes align with pins
- Clean debris from mounting plate
- Check that accessory is compatible

PROBLEM: Poor cutting or sanding performance

- Replace dull or worn accessory
- Increase the speed setting
- Recharge the battery
- Use the correct accessory for the material
- Don't apply excessive pressure
- Let the tool work at its own pace

PROBLEM: Sandpaper won't stick to pad

- Clean the sanding pad surface
- Replace worn sanding pad
- Make sure you're using hook-and-loop backed sandpaper
- Press sandpaper firmly onto pad
- Don't apply excessive pressure during sanding (wears pad faster)

PROBLEM: Tool overheats

- Let tool cool for 15 minutes
- Don't apply excessive pressure
- Use a sharp accessory
- Take breaks during heavy use
- Keep ventilation slots clear
- Don't work in one spot too long

PROBLEM: Battery drains quickly

- Fully charge the battery
- Battery may be old - consider replacement
- Use sharp accessories
- Don't force the tool
- Use appropriate speed for the task
- Let battery cool between charges

PROBLEM: Accessory gets too hot

- Take breaks to let accessory cool
- Don't apply excessive pressure
- Use appropriate speed for the material
- This is normal for extended use - wear gloves

SPECIFICATIONS SUMMARY

Model: FT1002

Type: Cordless Oscillating Multi-Tool

Voltage: 18V DC

Battery: Lithium-Ion

No-Load Speed: 5,000 - 18,000 OPM

Oscillation Angle: 3.0 degrees

Speed Settings: 6 positions

Accessory Mount: 12-position (30° increments)

Charging Time: 3-5 hours

Charger Input: 100-240V AC, 50/60Hz

Weight (with battery): Approx. 3.2 lbs

DISPOSAL AND RECYCLING

■ DO NOT throw this tool or batteries in household trash!

Electronic waste and batteries contain materials that can harm the environment.

Please recycle

- Take to a local recycling center that accepts electronics
- Contact your local waste management authority for collection information
- Return to a Freedom Tools dealer that accepts old tools
- Check www.call2recycle.org for battery recycling locations

ACCESSORIES AND REPLACEMENT PARTS

RECOMMENDED ACCESSORIES:

Cutting Blades

- FT-ACC-BIM-SEG: BIM Segment Saw Blade (wood, plastic, metal)
- FT-ACC-HCS-PLUNGE: HCS Plunge Cut Blade (wood, plastic, drywall)
- FT-ACC-BIM-PLUNGE: BIM Plunge Cut Blade (wood, metal, fasteners)
- FT-ACC-CARBIDE: Carbide Grit Blade (grout, tile, abrasives)

Scrapers

- FT-ACC-SCRAPER-RIGID: Rigid Scraper (paint, varnish, adhesives)
- FT-ACC-SCRAPER-FLEX: Flexible Scraper (caulk, putty, soft materials)

Sanding

- FT-ACC-SAND-PAD: Hook-and-Loop Sanding Pad
- FT-ACC-SAND-ASSORT: Assorted Sandpaper Pack (various grits)

Other

- FT-ACC-ADAPTER: Universal Adapter (for competitor accessories)
- FT-ACC-KIT: Complete Accessory Kit

Available at Freedom Tools dealers or online at [website]

SYMBOLS AND LABELS

The following symbols may appear on your tool

■ Warning symbol - Read manual V Volts ~ Alternating current ■ Direct current ■ Recycling symbol ■ Wear hearing protection ■ Wear eye protection ■ Wear gloves ■ Wear dust mask ■ Electric shock hazard ■ Fire hazard ■ Hot surface warning

Thank you for choosing Freedom!