REEL POTA-ble — ANTENNAS™



EFHW ANTENNA

OWNER'S GUIDE

40 • 20 • 15 • 10 METERS

Portable • Adjustable • Tangle-Free

2 WELCOME & SPECIFICATIONS

Thank you for choosing the REEL POTA-ble EFHW Antenna. Designed by hams for hams, it is a lightweight, compact End Fed Half Wave antenna built for portable amateur radio operation.

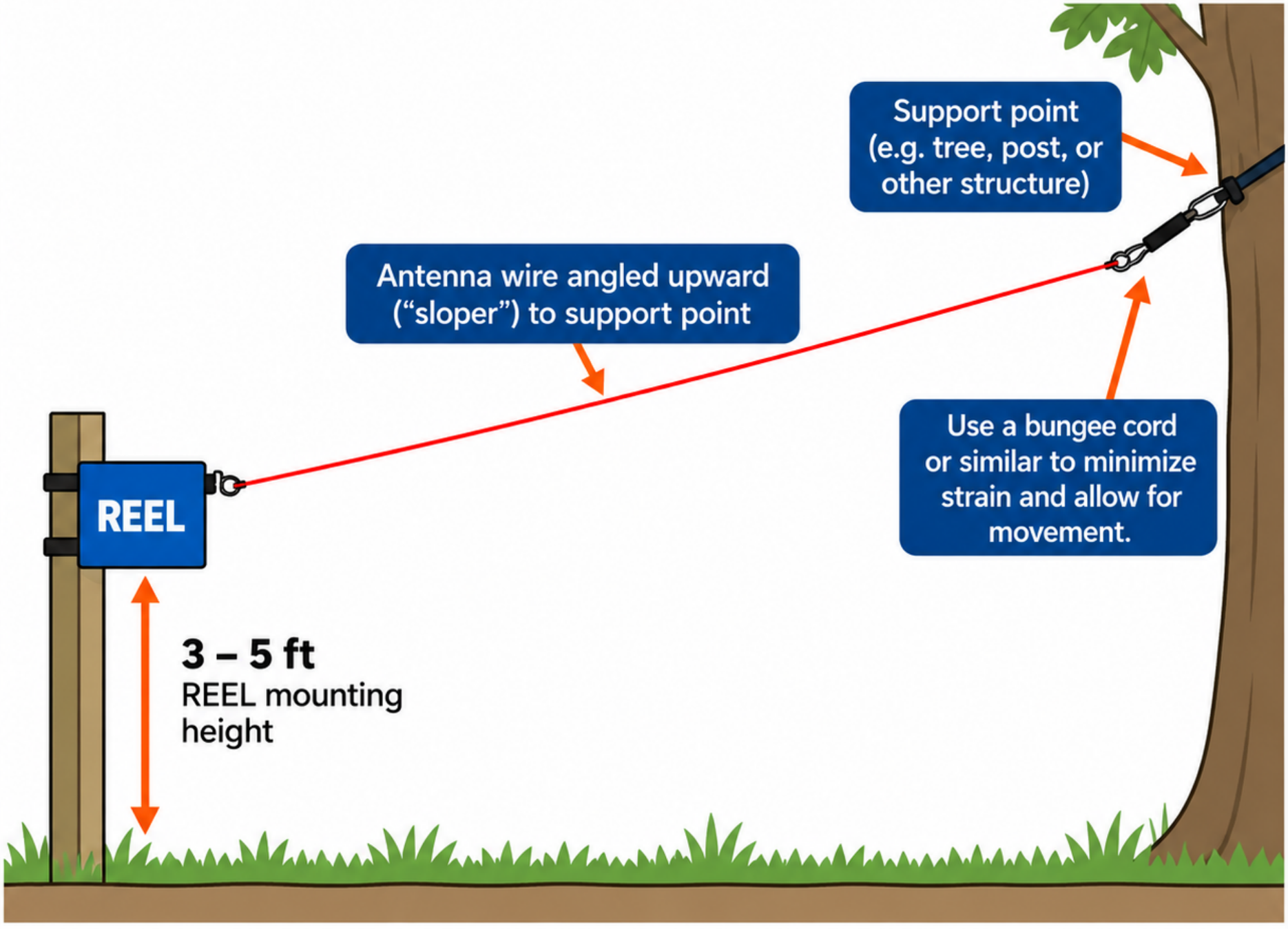
It covers 40, 20, 15 and 10 meters without a tuner and uses the integrated reel to fine-tune resonance for your preferred operating frequency.

SPECIFICATIONS

Antenna Type	End Fed Half Wave (EFHW)
Bands	40 / 20 / 15 / 10 meters
Tuner Required	No
Resonance	Adjustable using integrated reel
Weight	10 oz (0.63 lb)
Power	100 W SSB (ICAS) / 60 W CW / 50 W Digital
Use	Portable amateur radio operation
Model	V3
Made in	USA

3 INSTALLATION – SLOPER CONFIGURATION

The sloper configuration is a simple and effective way to deploy your REEL POTA-ble antenna. Mount the REEL at approximately 3–5 feet above the ground and angle the antenna wire upward to a support point such as a tree, post, or other structure.



4 RAISING & CONNECTING

1. **PLACE THE SUPPORT LINE**
   Use paracord or a throw line over a tree limb or other suitable support.

2. **MOUNT THE REEL 3-5 FT HIGH**
   Position the REEL approximately 3-5 feet above the ground. A park bench, table, post, or tree works well. When mounting to a tree, a small bungee cord is recommended.

3. **RAISE THE ANTENNA**
   Attach the antenna and raise it into position. Leave a small amount of slack for resonance adjustment and movement caused by wind.

4. **CHOOSE THE LOCATION**
   Stay clear of power lines, large metal objects and, when practical, dense branches.

5. **CONNECT YOUR COAX**
   Remove the protective cap with a 1/4-turn counterclockwise motion, then pull it up and connect your coax.

TIP Do not pull the antenna wire tight.

Leave slight slack so the reel can be adjusted easily.

5 LOCKING KNOB OPERATION

The locking knob secures the reel during operation. Lift the knob to unlock and lower the knob to lock. Only pull up until you feel or hear the detent click. Do not pull the knob out.



UNLOCKED

Pull up gently until it clicks.



LOCKED

Push down to secure the reel.

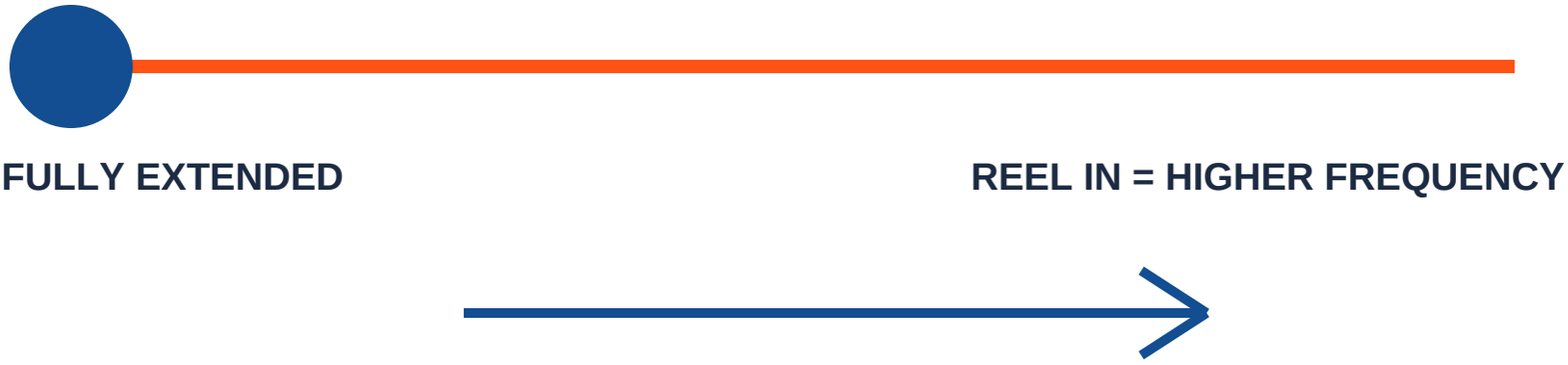
IMPORTANT – DO NOT PULL THE KNOB OUT.

Pull upward only until you feel or hear the detent click.
Before disassembling the antenna, place the knob in the UP / UNLOCKED position.

6 ADJUSTABLE RESONANCE

Fine-tune without lowering the antenna

The antenna is factory tuned near the lower portion of each band. Reeling in a few turns shortens the wire and raises the resonant frequency.



- CW / many digital modes: start with the wire fully extended.
- SSB: approximately 3-5 turns reeled in is a useful starting point.
- Actual resonance varies with installation and surroundings. Always verify SWR and fine-tune as needed.

7 HANDLING, CARE & SAFETY

HANDLING THE WIRE

- Pull the antenna wire out smoothly. Do not jerk it; the wire is secured internally by a knot.
- While rewinding, maintain light tension and let the wire slide through your fingers to remove dirt and debris.
- Do not wind the reel in the opposite direction. Left-handed operators may fully extend the wire first, then rewind in the preferred direction.

CARE

The 3D-printed components are made from PETG, PCTG or ASA for strength, UV resistance and heat resistance. Avoid extreme heat such as a vehicle dashboard.

SAFETY

Never install or operate near overhead power lines.

Always look up before raising the antenna. Never retrieve an antenna

or support line that has contacted electrical wires.

8 WARRANTY & SUPPORT

3-MONTH LIMITED WARRANTY

Your REEL POTA-ble EFHW Antenna V3 is backed by a 3-month warranty covering defects in materials and workmanship.

The warranty does not cover misuse, accidents, improper installation, excessive power, normal wear, or antenna-wire damage caused by snagging, pulling or other external causes unless an antenna failure is determined to be the cause.

FACTORY TESTED

Every antenna is tested using approximately 50 feet of coax in a sloper configuration to verify proper operation before shipment.

GETTING STARTED

Scan for setup tips, operating information, and additional resources.

NEED HELP?

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reelefhw.com/getting-started/