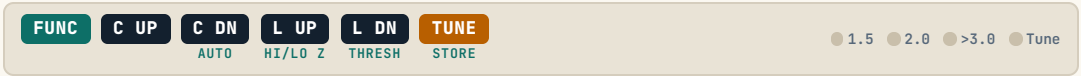
LDG Z-11PROII

PORTABLE TUNER
FRONT · BUTTONS



TUNE HOLD TIME PICKS THE JOB

acts when you let go

TAP	**Bypass** on / off. Takes the tuner out of the line.
HOLD ½–2½ s	**Memory tune**, near-instant. Uses this frequency's saved match; falls back to a full tune if none.
HOLD > 2½ s	**Full tune**, a few seconds. Starts from scratch and saves the match.

OTHER BUTTONS

C UP C DN L UP L DN	Nudge capacitance or inductance one step. Hold to repeat. Transmit while nudging to watch SWR.
FUNC → C DN	**Auto / semi-auto** mode
FUNC → L DN	**SWR threshold**, 1.5 to 3.0
FUNC → L UP	**Hi / Lo Z** network
FUNC → TUNE	**Store** a hand-tuned match

WHAT THE FOUR LEDS SAY

scroll right	FUNC waiting (scroll left = cancelled)
outer two	Memory tune started
outer, then inner	Full tune started
scan inward	**Tuned. Good match.**
all flash 3×	Bypass on (one flash = bypass off)
inner / outer two blink	Auto / semi-auto selected
all blink 2×	**Lost RF.** Unkeyed before it finished
all blink 3×	**No RF.** Wasn't transmitting
left three blink 2×	**No match.** Check antenna, coax

While transmitting, the **1.5 / 2.0 / >3.0** LEDs show SWR. All dark on receive.

Tune button: tap · hold ½ s · hold 2½ s

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TUNE UP IN 30 SECONDS

1. Coax: radio → **TX**, antenna → **ANT**. Ground to **GND** if you have one.
2. Choose the frequency and find a clear spot.
3. Power: **25 W or less** unless the radio folds back power on high SWR. The **FTX-1** tops out at 10 W, so full power is fine.
4. Key a steady carrier: **CW, AM or FM**. On SSB, keep talking.
5. Hold **TUNE** **½–2½ s** (memory) or **over 2½ s** (full tune, new spot or new wire).
6. **Keep transmitting** until the LEDs **scan inward**. It holds about 1.5 s so you can read the final SWR.

POWER LIMITS through the tuner

0.1–125 W SSB	**100 W** CW	**75 W** FT8
50 W PSK, RTTY, digital	**50 W** 6 meters	**25 W** to tune, if radio lacks SWR foldback

NO POWER SWITCH

It sleeps on its own and wakes on any button press or RF. The relays latch, so it draws almost nothing between tunes.

BATTERIES

8 × AA inside, usually good for a year or more. It doesn't charge them: take rechargeables out to charge. Remove the batteries for long storage.

Or run it from **7–16 V DC**, 300 mA, center positive. External power works with batteries installed.

IN THE FIELD

Not water resistant: keep it dry and shaded. Never more than **125 W**. Keep wires at least twice their length from power lines.