LDG AT-100PROII

HOME 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**, about 0.2 s. Uses this frequency's saved match; falls back to a full tune if none.
HOLD > 2½ s	**Full tune**, 0.2–5 s. Starts from scratch and saves the match.

OTHER BUTTONS

ANT	Switch antenna 1 / 2. **ANT 2** LED lit = antenna 2. Each antenna keeps its own memories.
C UP C DN	Capacitance one step up / down. Hold to repeat.
L UP L DN	Inductance one step up / down. Hold to repeat. Transmit while nudging to watch SWR.

FUNC THEN A BUTTON

within a few seconds

FUNC → C DN	**Auto / semi-auto.** Auto (default) retunes on its own when SWR passes the threshold.
FUNC → L DN	**SWR threshold**, steps 1.1 to 3.5. Default 1.7.
FUNC → C UP	**Peak / average** power meter.
FUNC → L UP	**Meter scale**, 12.5 W or 125 W.
FUNC → ANT	**Hi / Lo Z** network (L-C or C-L).
FUNC → TUNE	**Save** a hand-tuned match for the last frequency.

Up arrow on the display = FUNC is waiting. Tap FUNC again to cancel. **Hold** FUNC and press a button to **check** that setting without changing it.

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TUNE UP IN 30 SECONDS

1. Pick the antenna with **ANT**. Choose the frequency and find a clear spot.
2. Set power to **25 W or less**, unless the radio folds back power on high SWR (then up to 125 W).
3. Key a steady carrier: **CW, AM or FM**. On SSB, keep talking.
4. Hold **TUNE** **½–2½ s** for a memory tune, or **over 2½ s** for a full tune.
5. **Keep transmitting** until the LEDs **scan inward**. That means it's matched.
6. Check the SWR bar, then set power back for operating.

READING THE SWR BAR

A lit LED means SWR is **at least** that value: 1.3 lit = 1.3 to 1.5:1. **No LEDs lit = under 1.1:1.** Power LEDs blinking = over the meter scale.

Meter: **Peak** for SSB and AM, **Average** for FT8, RTTY, FM.

LEDS BLINKING? THE TUNE FAILED

No RF	Start transmitting, then press **TUNE**.
Lost RF	You unkeyed too soon. Stay keyed until it finishes.
No match	SWR stayed above 3.5. Check coax and connectors; try the other antenna or band.
Relay lock	Over 125 W into SWR above 3. Turn power down.

POWER LIMITS

through the tuner

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

Never more than **125 W** through the tuner. More can damage the tuner and the radio.