LYDTROLD AUDIO / MADE IN DENMARK

Radio-Fi

Telephone, radio and digital character



User Manual

English | Manual edition 1.0 | October 2026

Product version: 0.1.31

Native: VST3 and AAX Native; AU on Mac

Native product; no AAX DSP edition listed

lydtrold.com

01 / START HERE

Meet Radio-Fi

Telephone and radio character for vocals, instruments and sound design. Six profiles, 20 factory presets, digital degradation, room ambience and a gate.



Your first session

1. Choose a profile, play the source and set Bandpass and Drive for the main character.

2. Add Noise, Signal degradation, squelch and beep behaviour only as needed. Adjust Talk threshold against the quietest intended speech.

3. Set digital degradation and room amount, then match Output. Disable Test Signal for normal playback.

02 / REFERENCE

Controls and behaviour

Names follow the front panel; alternate host parameter names are included where useful. Ranges describe control values, not recommended settings.

CONTROL	RANGE / OPTIONS	HOW TO USE IT
Profile	Bakelite / Smartphone / Bad GSM / Walkie-Talkie / Field Radio / Space Comms	Chooses the communication-device character.
Bandpass	0-100%	Narrows and colours the signal bandwidth.
Drive / Noise	0-100% each	Adds distortion and communication noise.
Signal	0-100%	Adjusts signal-quality character. Compare within the selected profile.
Mix	0-100%	Blends dry and processed audio.
Output	-24 to +12 dB	Sets final output level.
Squelch	0-100%	Adjusts communication-style opening and closing behaviour.
Talk threshold	-60 to -12 dB	Sets the detection level for speech activity and communication events.
Roger beep / GSM buzz	0-100% each	Sets the amount of end-of-transmission tone and digital-interference character.
Beep trigger	Off / Open / Close / Both	Chooses which detected communication event triggers the beep.
Sample Rate	1-48 kHz; Full at 48 kHz	Reduces effective sample rate for digital degradation; Full disables reduction.
Sample Size	2-24 bits	Reduces resolution for quantisation character.
Anti-Alias	On / Off	Filters sample-rate-reduction artefacts when enabled.
Room / Room Amount	Six rooms; 0-100%	Adds Car, Kitchen, Living Room, Shopping Mall, Stairwell or Garage ambience.
Gate Position	Off / Pre FX / Post FX	Places the additional gate before or after the effects.
Gate Threshold / Release	-80 to 0 dB / 20-1000 ms	Sets gate sensitivity and closing time.
Test Signal	Action / audition	Auditions the effect with the built-in test signal. Disable it for normal source monitoring.
Bypass / meters	On-Off / displays	Compares with the source and shows output and receiving activity.

03 / IN PRACTICE

Workflows and troubleshooting

Telephone vocal

Choose a narrow profile and balance Bandpass with Drive. Use Mix to retain some full-range intelligibility.

Walkie-talkie dialogue

Use squelch and a close-triggered Roger beep, then set Talk threshold so pauses and words trigger naturally.

Digital sound design

Reduce Sample Rate and Sample Size gradually. Compare Anti-Alias and gate placement, especially in gaps.

If the result is unexpected

Beep triggers too often. Adjust Talk threshold, reduce Roger beep or choose another Beep trigger mode.

Noise continues in pauses. Use the additional gate after FX or reduce Noise and GSM buzz.

Effect plays without the source. Disable Test Signal.

04 / INSTALLATION AND SESSIONS

Install, recall and get help

Download and install

Visit https://lydtrold.com/installer and download the public Lydtrold Installer for your platform. Close your DAW before installing or updating. For AAX, Pro Tools must be fully closed. Enter the licence key associated with your purchase or Free Collection, select the product and required formats, then install.

Choose the format

Use AU in compatible Mac hosts, VST3 in compatible Mac or Windows hosts, or AAX Native in Pro Tools. This product is Native; inclusion in a DSP bundle does not make it an AAX DSP plug-in.

System compatibility

The public Mac plug-ins support Intel from macOS 10.15 and Apple silicon from macOS 11. The current public Mac installer requires macOS 12 or later. Use a compatible 64-bit DAW and check the product page for current platform and format availability.

Recall and automation

Save the DAW session and use supported host presets to retain parameter settings. Automate sound controls exposed by the installed edition in the host. Display-only meters and analysis results are not sound parameters. Save a preset before resetting or making major changes.

Support

Visit https://lydtrold.com/contact. Include the product name and installed version, operating system, DAW version, plug-in format and relevant routing. Describe the steps that reproduce the problem and the expected result.

Manual edition 1.0, 26 October 2026. Covers the public product version shown on the cover. Manual editions and plug-in versions are separate. Illustrations show the published product interface.