TRACT SPL User Guide

OVERVIEW

What is TRACT SPL?

TRACT SPL is a simple sound-pressure-level (dB SPL) meter for the Waves Live hosts (LV1 / SuperRack). It shows the current level as a large read-out, holds the maximum, supports A- and C-weighting, warns you when the level goes over a threshold you set, and can export a log to CSV.



TRACT SPL — the current level in large digits, with MAX, weighting, the Red Above threshold, and Export CSV.

CHAPTER 1

Calibrating TRACT SPL

Because TRACT SPL reports an absolute sound-pressure level, it must be matched to your specific measurement microphone and preamp gain. You do this once per microphone with an **SPL calibrator**.

What is an SPL calibrator?

An SPL calibrator is a device that generates a stable, precise acoustic tone — typically **94 dB or 114 dB at 1,000 Hz**. Placed over a measurement microphone, it provides a known reference level to calibrate against.

Calibration steps

1. Set TRACT SPL weighting to **C**.
2. Place the calibrator over the microphone capsule.
3. Set the calibrator to output **94 dB**.
4. Adjust the **microphone preamp gain** until the large read-out shows **94**.
5. Note the preamp gain value — this is the correct calibration setting for that specific microphone.

> **One value per microphone.** The gain value you found belongs to that specific mic. Whenever you use a different microphone, repeat this procedure to learn its correct preamp gain.

CHAPTER 2

The SPL reading

The large number is the current level in **dB SPL**. It reads green during normal operation and turns red when it exceeds the Red Above threshold (see the next chapter).

MAX & Reset

MAX holds the highest level seen since the last reset. Click **RESET** to clear it and start a new measurement.

A / C weighting

Choose the weighting curve used for the measurement:

- **A** — A-weighting, the common choice for general SPL monitoring.
- **C** — C-weighting, which includes more low-frequency energy.

The selected curve lights green.

CHAPTER 3

Red Above (over-level alert)

The **Red Above** field sets a threshold in dB SPL. Click the field and type a value. Whenever the current level rises **above** that threshold, the large read-out turns **red and blinks** as a clear over-level warning.



Over-level alert: here the threshold is 96, so a level of 101 shows the reading in red. On screen the red digits also **blink**.

Tip. Set Red Above to your venue's SPL limit so you get an immediate, unmissable warning the moment you cross it.

CHAPTER 4

Export CSV

Click **EXPORT CSV** to save the measurement log to a CSV file — useful for records, compliance reporting, or reviewing levels after a show.

REFERENCE

Controls reference

Control	What it does
dB SPL read-out	Current level in large digits; green normally, red + blinking when above the threshold.
MAX	Highest level held since the last reset.
RESET	Clears MAX and restarts the measurement.
A / C	Weighting curve — A-weighting or C-weighting (selected lights green).
Red Above	Editable threshold (dB SPL); above it, the read-out goes red + blinks.
Export CSV	Saves the measurement log to a CSV file.