

## INTEGRATED LUFS

**-14.17 LUFS**

Target: -14.0 LUFS

## TRUE PEAK

**-1.06 dBTP**

Ceiling: -1.0 dBTP

## LOUDNESS RANGE

**6.00 LU**

Crest: 14.34 dB

## STEREO CORRELATION

**0.948**

Source: 0.864

## PROJECT METADATA

Track	Stay in.wav
Artist	Unknown
Album	Single
ISRC	-
Year	-

## RENDER PROVENANCE

Profile	Pop
Delivery Profile	STREAMING
Genre Benchmark	POP · 26,740 tracks
Export	WAV-24
Sample Rate	48000 Hz
Channels	2
Duration	2:23

## MASTERING EVIDENCE

Target Accuracy	0.17 LU	ON PROFILE
LUFS Delta (Out - Src)	-0.73 LU	
True Peak Delta (Out - Src)	1.99 dB	
Crest Delta (Out - Src)	2.18 dB	
Output Safety		CLEARED
Post-Encode QC	Cleared on first pass	
Master Runtime	1:43 (103.38s)	

## STAGE COST PROFILE

• Parallel Harmonic VCA	27.98s
• Export	17.87s
• Transient Guard	7.10s
• QC Analysis	6.10s

## KEY ENGINE HIGHLIGHTS

### GENRE ROUTING

- Sub-genre confidence 81%

### CONFIDENCE

- Global confidence 70%
- Archetype match 80%
- Archetype separation 2%
- Genre certainty 100%

### SPECTRAL CORRECTION

- Summary: Spectral correction skipped – tonal matching requires  $\geq 70\%$  genre confidence ( $69\% < 70\%$ )
- Genre: pop
- Confidence: 0.695159225908138
- Corrections Count: 0

### DYNAMIC CORRECTION

- Dynamic Correction - Global anchor used (100ms lookahead)
- Sub Bass: Cut -0.6dB, Boost +0.0dB
- Low Mid: Cut -0.9dB, Boost +0.0dB
- Mid: Cut -1.2dB, Boost +1.2dB

## PROCESSOR EVIDENCE

- **AAC Reconstruction QC** – No post-encode overshoot detected

## WARNINGS & RISK NOTES

- No user-facing warnings were raised in this mastering run.

## COMPOUND RULE INTERVENTIONS

- No compound rule overrides fired.

## METADATA CERTIFICATION

Vanta Tag String

Mastered by Vanta Audio [SID:129172C6]

Container Route

RIFF/ID3 metadata: TSSE + TXXX(vanta\_sid) + standard music tags

Session Identifier

129172c6-1380-40f2-9123-1fde53df1b90

## WAVEFORM OVERVIEW

Source and mastered shape overview, aligned on the same time scale for a quick before-and-after read.

Source



Mastered



# GENRE LANDSCAPE - POP

Corpus: 26,740 tracks · SID: 129172c6-1380-40f2-9123-1fde53df1b90

## METRIC POSITIONING VS POP CORPUS (PRE-MASTER INPUT)

Z-score and percentile rank show where your source track sat relative to commercial pop releases. P10/P50/P90 are corpus anchors in the same unit.

METRIC	SOURCE	MASTERED	P10 · P50 · P90	PERCENTILE	Z-SCORE
Integrated LUFs	-13.44 LUFs	<b>-14.17 LUFs</b>	-23.05 · -16.95 · -14.05	88th	0.69
Crest Factor	12.16 dB	<b>14.23 dB</b>	7.35 · 11.25 · 17.55	69th	0.6
Sub Bass	-18.09 dB	<b>-18.17 dB</b>	-30.1 · -23.7 · -18.5	90th	1.08
Bass	-21.84 dB	<b>-21.72 dB</b>	-28.9 · -25.9 · -23.5	94th	1.83
Presence	-33.02 dB	<b>-35.19 dB</b>	-41.1 · -35.9 · -32.9	60th	0.2
Air	-31.91 dB	<b>-33.73 dB</b>	-45.7 · -39.5 · -35.7	93th	1.32

Z-score = standard deviations from corpus mean. Bar spans  $-3\sigma$  to  $+3\sigma$ . Gold = above mean, grey = below mean.

### ADAPTIVE DECISION DETAIL

#### GENRE ROUTING

- Sub-genre confidence 81%

#### CONFIDENCE

- Global confidence 70%
- Archetype match 80%
- Archetype separation 2%
- Genre certainty 100%
- Profile fit 70%
- Stereo reliability 75%

#### SPECTRAL CORRECTION

- Summary: Spectral correction skipped – tonal matching requires  $\geq 70\%$  genre confidence (69% < 70%)
- Genre: pop
- Confidence: 0.695159225908138
- Corrections Count: 0
- Skipped Protected: 0
- Skip Diagnostics · Input Deviations: 0
- Skip Diagnostics · Selected Bands: 0
- Skip Diagnostics · Skipped Protected: 0

#### DYNAMIC CORRECTION

- Dynamic Correction - Global anchor used (100ms lookahead)
- Sub Bass: Cut -0.6dB, Boost +0.0dB
- Low Mid: Cut -0.9dB, Boost +0.0dB
- Mid: Cut -1.2dB, Boost +1.2dB
- Presence: Cut -1.3dB, Boost +1.3dB
- Air: Cut -1.2dB, Boost +1.1dB

#### STEREO

- Stereo Shuffler - Instructions: Bloom. Bass Gain: -40dB. Air Gain: 2.5dB. Global 1.20x. Filter: Gentle (1st-order).

#### TRUE PEAK LIMITER

- TRUE PEAK LIMITER - ISP-Aware
- Oversampling: 8x (8x - ceiling -1.0 dBTP tighter than -0.5)
- Ceiling: -1.0 dBTP
- Stage 1 - Peak Prediction
- True peak candidates detected: 4
- Highest candidate: -0.8 dBTP at 1:40.3
- Stage 2 - Envelope Correction
- ISP corrections injected: 4

#### CHAIN BUDGET

- Ceiling 3.50 dB
- Policy corpus  
interp(track=11.31,p10=2.85,p50=4.25,p90=6.75,gm=1.0)
- Per-band budget active across 4 bands, max 100.0% used
- Per-band budget consumed by active stages
- Mid: boost 0.98 dB, cut 1.95 dB
- Presence: boost 1.21 dB, cut 2.21 dB

#### LRA TARGETING

- Measured output LRA 6.11 LU
- Status Max Passes Reached