

For listening tests I centered both tracks and listened while reversing the phase of one. I also measured phase using Avid's PhaseScope plug-in. For that I panned one track hard left and the other hard right while keeping normal phase in both. PhaseScope shows +1 when both left and right and the same (i.e. a mono signal), zero for a perfect stereo pair and -1 for completely out-of-phase. When I compared a mono to stereo track, like the snare to the overheads, I panned both channels of the stereo track opposite of the mono track.

For the drums I usually looped a single strike during the listening test. I made sure to try several different strikes throughout the song and I noticed that in some cases different strikes have different phase. This is one place where you might get different results than I did.

	Overhead AK47 Right	Overhead C12 Left
Overhead AK47 Left	Reversed phase sounds weak. PhaseScope shows around +0.75	Reversed phase sounds very weak. PhaseScope bounces between +0.75 and +0.9.

	Overhead C12 Left	Overhead AK47 Right
Overhead C12 Right	Reversed phase sounds weaker. PhaseScope bounces between +0.5 and +0.75.	Reversed phase sounds very weak. PhaseScope bounces between +0.75 and +0.9.

	Kick Out
Kick In	Normal phase has a deeper sound than reversed phase. PhaseScope showed +0.6 with normal phase.

	Snare Bottom	Overhead AK47	Overhead C12
Snare Top	Reversed phase makes the pitch go higher. PhaseScope is mostly centered around zero with normal or reversed phase. A few strikes go positive or negative.	Reversed phase makes the pitch go higher. PhaseScope shows about -0.1 with normal phase	Reversed phase adds more high-end to the sound. PhaseScope shows about -0.1 with normal phase.

Snare Bottom		Reversed phase adds more low end to the sound. PhaseScope shows about -0.2 with normal phase but it seems dependent on the strike.	Reversed phase adds more low end to the sound. PhaseScope shows about -0.3 with normal phase.
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	Overhead AK47	Overhead C12
Rack Tom	Pitch went higher with phase reversed. PhaseScope varies from +0.1 to +0.4	Pitch went higher a half-step with phase reversed. PhaseScope varies from +0.1 to +0.5 with normal phase.
Floor Tom	Reversed phase was about a fourth higher. PhaseScope showed +0.6.	Reversed phase was about a fourth higher. PhaseScope showed +0.5.

	Bass Amp
Bass DI	Listening with phase flipped gives a higher sound and more attack. Watching PhaseScope showed mostly on left up to -0.4 except for certain notes. They went positive up to +0.4.

	Piano Room
Piano Close	Normal phase has low (really mid) range in it, reversed does not. With normal phase PhaseScope shows mostly negative but occasional positive depending on the note.

	Acc Gtr AR51	Acc Gtr CU29	Acc Gtr DI
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Acc Gtr 260	Normal phase has low (really mid) frequency in it. When phase is reversed the lows go away. PhaseScope shows mostly in the +0.6 to +0.7 range.	Normal phase has low (really mid) frequency in it. When phase is reversed the lows go away. PhaseScope shows mostly in the +0.6 to +0.7 range.	Reversed phase sounds clearer. Normal phase doesn't sound bad but there is some phasy sound to it. PhaseScope shows normal phase is out of phase between 0 and -0.5.
Acc Gtr AR51		Normal phase has low (really mid) frequency in it. When phase is reversed the mids/body go away. PhaseScope shows mostly in the +0.25 to +0.5 range.	Reversed phase sounds clearer and brighter. Normal phase doesn't sound bad though. PhaseScope shows mostly around zero or a bit on the negative side. There were some positive swings however.
Acc Gtr CU29			Reversed phase adds some upper mids and sounds fuller. PhaseScope shows mostly around -0.25 with normal phase.

	El Gtr CU29	El Gtr M81
El Gtr AR51	Normal phase sounds good. Reversed phase sounds like an extreme telephone effect. PhaseScope shows +0.5 to +0.9 with it mostly being around +0.8.	Normal phase sounds strong. Reversed phase sounds very weak, almost like a reverb tail. PhaseScope shows mostly +0.9.
El Gtr CU29		Normal phase sounds full. Reversed phase sounds like extreme telephone effect. PhaseScope showed all on the positive side. Much starting around +0.9 but with brief excursions to +0.5 and even +0.25.

Female Vocal U47

Female Vocal C12	Normal phase sounds fine. Reversed phase sounds extremely weak. PhaseScope shows mostly +0.9.
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	Male Vocal AR51	Male Vocal CU29	Male Vocal U47
Male Vocal 251E	Normal phase sounds good, reversed phase sounds weak. PhaseScope shows +0.9 in normal phase.	Normal phase sounds good, reversed phase sounds weak. PhaseScope shows +0.9 in normal phase.	Normal phase sounds good, reversed phase sounds weak. PhaseScope shows +0.9 in normal phase.
Male Vocal AR51		Normal phase sounds good, reversed phase sounds weak. PhaseScope shows +0.9 in normal phase.	Normal phase sounds good, reversed phase sounds weak. PhaseScope shows +0.9 in normal phase.
Male Vocal CU29			Normal phase sounds good, reversed phase sounds weak. PhaseScope shows +0.9 in normal phase.