## Gradient / Reversed End Fired



## Gradient / Reversed End Fired







## SUBS FRONT START FRONT MIC Green @16MT BACK MIC Orange @16MT



SUBS BACK START
FRONT MIC Green @16MT BACK MIC Orange @16MT


SUB FRONT 2 (Yellow) vs SUB BACK 1 (Orange) BACK MIC SUB BACK 1 Needs to be phase aligned via delay to SUB 2 measured at the back of the array




SUB BACK 1 (Orange) + 2ms vs SUB FRONT 2 (Yellow) BACK MIC



SUB BACK 1 (Orange) + 3ms vs SUB FRONT 2 (Yellow) BACK MIC



SUB BACK 1 (Orange) ALL TRACES WITH DELAY ADDED vs SUB FRONT 1 (Yellow)
BACK MIC



SUB BACK 1 (Orange) + 3.5ms Ø vs SUB FRONT 2 (Yellow) BACK MIC



ALL SUBS SUMMED FRONT MIC Green BACK MIC Orange

## Is there a better way? (read different).

Yes<br>A word of caution though:<br>It can only be done via measurements and keep away from the limiters to avoid "cardioid implosion"

By introducing a little time offset (1ms) / gain ( 0.7 dB ) / EQ and a filter combination you can get more reduction at the back.

Green : Gradient Freak Show Front mic Pink : Gradient delay version Front mic Orange : Gradient Freak Show Back mic Yellow : Gradient delay version Back mic


Green : Gradient Freak Show Front mic Pink : Gradient delay version Front mic Orange : Gradient Freak Show Back mic Yellow : Gradient delay version Back mic


