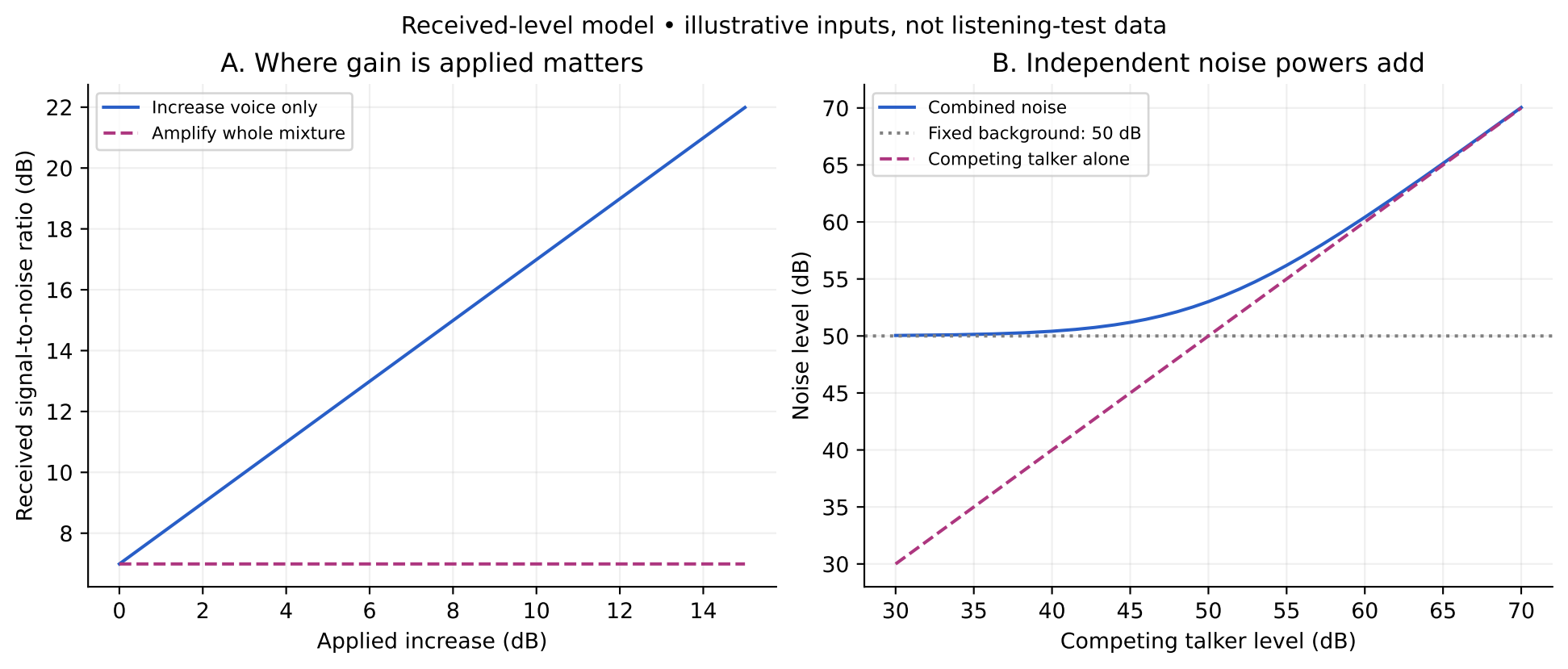

Received-level model • illustrative inputs, not listening-test data
A. Where gain is applied matters
Increase voice only
Amplify whole mixture
Received signal-to-noise ratio (dB)
Applied increase (dB)
B. Independent noise powers add
Combined noise
Fixed background: 50 dB
Competing talker alone
Noise level (dB)
Competing talker level (dB)