

# Demo manual

In this demo, we load (and listen to) the noisy signal (bass plus talking noise) and the noise. We then apply 3 different adaptive filtering algorithms: LMS, NLMS, and RLS.

After execution of the first matlab section, the noisy signal is loaded and played. After execution of the second matlab section, LMS is implemented, and the resulting cleaned signal is played. After execution of the third matlab section, NLMS is implemented, and the resulting cleaned signal is played. After execution of the last section, RLS is implemented, and the resulting cleaned signal is played.

After each implementation of an algorithm, the mean squared error and execution times are displayed.