

ABSTRACT

To get an acoustic guitar signal from electric guitar, it is needed a signal modifier which can simulate acoustic guitar signal. However an acoustic guitar simulator that can be bought in the market is still has a noise from the electric guitar, and or from the acoustic guitar simulator itself. Therefore it's needed an acoustic guitar simulator which can suppress the noise at the output.

In this final project, acoustic guitar simulator for electric guitar which has a noise suppressor in its output has been realized. The noise suppressor is equipment which is placed after the acoustic guitar simulator. As the result, output of the system is electric guitar signal which has acoustic guitar signal characteristic with its noise suppressed. Both noise from electric guitar and noise from the acoustic guitar simulator schematic. The noise suppressor used is MXR Noise Gate schematic which simplify by Francisco Peña.

Base on measurement and analysis, the system which is realized can work well and can be used. Output of the system equal with acoustic guitar signal, and the noise is suppressed.

Keywords : noise suppressor, acoustic guitar signal simulator, electric guitar, MXR Noise Gate.