



HIGHER TECHNICAL INSTITUTE  
ELECTRICAL ENGINEERING DEPARTMENT  
DIPLOMA PROJECT

DEVELOPMENT OF POWER AUDIO AMPLIFIER  
WITH EQUALISER

E. 1109

PAPADOPOULOS CHARALAMBOS

JUNE 1998

HIGHER TECHNICAL INSTITUTE	PROJECT NO. 2844
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**Development of Power Audio Amplifier with Equaliser**

by

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**Project Report Submitted to**

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**of The Higher Technical Institute**

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PAPADOPOULOS CHARALAMBOS

# DEVELOPMENT OF POWER AUDIO AMPLIFIER WITH EQUALISER

BY: PAPADOPOULOS CHARALAMBOS

This project is divided in three chapters:

CHAPTER 1: HI-FI STANDARDS

CHAPTER 2: AUDIO AMPLIFIER

CHAPTER 3: EQUALISER

**TITLE:**

“Development of Power Audio Amplifier with Equaliser”

**OBJECTIVES:**

1. To study different types of :
  - a) Power Audio Amplifiers—Mono or Stereo and
  - b) Equaliser—Analogue and Digital.
  
2. To select, design, develop, construct, test and calibrate a Power Audio Amplifier (stereo OR mono) and an Equaliser (Analogue OR Digital).
  
3. To use the constructed system as a demonstration unit.



## **ABSTRACT**

This project work deals with the construction of a Power Audio Amplifier in combination with an equaliser.

Constructed as similar as to the hi-fi audio standards this amplifier is operated with an analogue equaliser in order to control 5 different bands.

## **INTRODUCTION**

In this chapter are given the explanations of some of the most important terms used by the manufactures of different types of amplifiers in their specifications as well as some of the established ones found in the British Standards of the High Fidelity audio equipment and specifically for amplifiers.