

Sound System Design 2: for Small Groups

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Introduction

This is a **work in progress**. This document is provided with no warranty or guarantee of any kind.

Goals:

- Small and portable amplifier with integrated speaker
- At least 3 microphones, and at least 2 of those wireless
- Cell phone interface for conference calls
- Microphones with tailored frequency response for speech
- Including accessories, eg. microphone stand and extension cords



Figure 1: System With Accessories (Excluding Stand/Gooseneck/Clip)

Parts list

The following parts make up the main unit:

- TOA WA-1822 meeting amplifier
- 2 WTU-4800 A01 tuners installed in the bottom left/right corners

These accessories are also necessary:

- 2 WM-4220 A01 handheld microphones (or consider **WM-4300** and **WM-5320** lavalier)
- Sennheiser e835 wired microphone
- 1.5 ft XLR female to 1/4inch TRS/stereo cable: Monoprice 4767
- 1.5 ft XLR male to 1/4 TS/mono cable: Markertek SC1.5XS
- JK Audio BlueDriver-F3
- 25 ft XLR microphone cable
- microphone stand
- Atlas Sound GN-13E 13 inch flexible microphone gooseneck
- On-Stage Stands MY200 universal microphone clip
- power cable
- 15 ft extension cord