Scientech

Understanding Public Address System

Scientech 2660

Scientech 2660 Understanding Public Address System is a comprehensive training platform to learn the operation of Public Address System. It is demonstrator cum training system specifically designed for the comprehensive practical study on Public Address System for the beginners with a basic knowledge of the various electronic building blocks and fundamentals of communication system.

This didactic product develops the sense of investigation within the student and familiarises him with repair techniques/design techniques. One of the main features of this training system is fault simulation to educate on actual fault finding, by simulating faults on this platform. The complete block diagram of Public Address System is printed on the mimic. Finally this equipment allows us to do experiments and to observe waveforms/signals/voltages of different sections, which are guided thoroughly by theory and product tutorials to gain in-depth knowledge of the system.

Features

- **Superior quality 100W high power Public Address System**
- **Bass and Treble tone controls with Master control**
- **Complete block diagram of a Public Address System on-board**
- **The different circuit boards of Public Address System are exposed on a PCB**
- **3 Speaker outputs (4 Ω/8 Ω/16Ω)**
- **5 Mic and 2 Aux Inputs**
- **Easy identification of different parts and components of the system at a glance**
- **Easy measurement of voltages and observation of waveforms on test points**
- **Soldering free Fault creation and troubleshooting**

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Scope of Learning

Study the :

- Specifications of Public Address System
- Block diagram and operating principle of Public Address System
- Functions of front panel controls/ keys of Public Address System
- Circuit description and functions of different sections
- Observation of waveforms/signals of different sections
- Measurement of voltages at test points of different sections
- Switch faults and troubleshooting in different sections

Technical Specifications

Power Output	:	100W RMS at 10% THD
Pre-amplifier Output	:	200mV
Line output	:	1V/ 1KΩ
Input Channels	:	Mic: 5nos; 0.65mV/ 4.7KΩ
Aux	:	2 nos; 50 mV & 150 mV/470KΩ
Frequency Response	:	65 Hz to 15 KHz +/- 3dB
Tone Controls	:	Bass, Treble, Master Control
Speaker Outputs	:	4Ω, 8Ω, 16Ω, 70-100V Line Matching
Speakers	:	2 nos
Microphones	:	2 nos (Dynamic)
Mains Supply	:	230V AC ± 10%, 50/60Hz (110V AC on request)
Weight	:	4.2 Kg (approximately)
Dimension (mm)	:	W430 X D252 X H82
Product Tutorial	:	Online(on www.ScientechLearning.com)
Included Accessories	:	Mains cord 1 no
		Microphone 2 nos
		Speaker 2 nos

Subject to Change

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