

TABLE OF CONTENTS

1	INTRODUCTION	
	Use of the Instruction Manual.....	1-1
	The General Description Section.....	1-1
	The Installation Section.....	1-1
	The Operation Section.....	1-1
	The Checkout and Adjustment Section.....	1-1
	The Maintenance and Troubleshooting Section.....	1-2
	The Theory of Operation Section.....	1-2
	The Notes and Bulletins Section.....	1-2
	The Index.....	1-2
2	DESCRIPTION	
	General.....	2-1
	Performance Characteristics.....	2-1
	Equipment Applications.....	2-2
3	INSTALLATION	
	General.....	3-1
	Installation of Equipment.....	3-1
	Installation of Plug-In Items.....	3-1
	Connections.....	3-3
4	OPERATING INSTRUCTIONS	
	Controls.....	4-1
	Applying Power.....	4-2
	Setting Up the Controls.....	4-2
	Operation of the Equipment.....	4-2
5	CHECKOUT AND ADJUSTMENT	
	General.....	5-1
	Overall Gain Measurement.....	5-1
	Overall Gain Adjustment.....	5-2
	Frequency Response Measurement.....	5-2
6	MAINTENANCE AND TROUBLESHOOTING	
	General Maintenance Information.....	6-1
	Corrective Maintenance.....	6-1
	Ordering Parts.....	6-1
	Parts List, Mixer Asembly.....	6-3
7	THEORY OF OPERATION	
	Microphone Preamplifiers.....	7-1
	Output Amplifiers.....	7-1
	Mixer Coupling.....	7-2
	Power Supply.....	7-2
8	NOTES AND BULLETINS	8-1
	INDEX	9-1

LIST OF ILLUSTRATIONS

2	Typical Uses of the MX-10 Mixer.....	2-3
3	MX-10 Mixer Assembly — $\frac{3}{4}$ View.....	3-1
	Rack Layout (Shown with PR-10 Tape Recorder).....	3-1
	Mounting Dimensions	3-2
	Interconnecting Two or More Mixers.....	3-2
4	Operating Controls	4-1
5	Response and Gain Measurement Set-Up.....	5-1
6	Troubleshooting the Mixer.....	6-1
	Parts Location, MX-10 Mixer.....	6-9
7	Block Diagram, MX-10 Mixer.....	7-1
	Partial Schematic Diagram, Microphone Preamplifier.....	7-2
	Partial Schematic Diagram, Output Amplifier.....	7-2
	Schematic Diagram, MX-10 Mixer.....	7-3