

Contents

<i>List of illustrations</i>	vii
<i>Preface and Acknowledgments</i>	xiii
Part I Early History—Predecessors and Pioneers (1874 to 1960)	1
1 Electronic Music Before 1945	3
2 Early Electronic Music in Europe	41
3 Early Electronic Music in the United States	79
4 Early Electronic Music in Japan	105
Part II Analog Synthesis and Instruments	117
5 Tape Composition and Fundamental Concepts of Electronic Music	119
6 Early Synthesizers and Experimenters	141
7 Principles of Analog Synthesis and Voltage Control	173
8 The Voltage-Controlled Synthesizer	207
9 The Evolution of Analog Synthesizers	238
Part III Digital Synthesis and Computer Music	249
10 Early Computer Music (1953–85)	251
11 The Microprocessor Revolution (1975–90)	271

12	The Principles of Computer Music	294
13	The Evolution of Computer Musical Instruments and Software	319
Part IV The Music		331
14	Classical and Experimental Music	333
15	Live Electronic Music and Ambient Music	376
16	Rock, Space Age Pop, and Turntablism	407
	<i>Pioneering Works of Electronic Music</i>	429
	<i>Notes</i>	433
	<i>Index</i>	449