Contents

Preface: Game Sound Gets Heard vii
Acknowledgments xi

Introduction 1
How Is Interacting with Sound Different from Listening to Sound? 2
The Sound of Music: Musical Sound 3
Interacting with and Listening To 4
Game Players: An Interactive Audience 13
Game Players: An Embodied Cognition Approach to Audience 15

1 Interacting with Sound: A Theory of Action, Image, and Sound 19
Schizophrenia: Disembodied Sound? 23
Synchresis: Integrating Sound and Image 26
Kinesonic Synchresis: The Event-Driven Nature of Interactive Sound 32
Kinesonic Congruence and the Player 35

2 Being in the Game: A Sonic Approach 39
Extension and Incorporation 41
Self-Produced Sound 43
Sonic Game Space: Point of Audition in Games 44
Spatial Sonic Embodiment in the Game 56

3 Sound at the Borders: Enacting Game Sound 59
Posing and Playing 60
Voice and Role-Play in Games 68
Alternate-Reality Games 82
New Sonic Boundaries: Identification, Performance, and Cocreativity 87

4 Embodying Game Sound in Performance: The Real and the Virtual 89
Performing Music in Games 92
Performing to Music in Games 96
Performing Game Music 105
Creating Music from the Game 111
Interacting with the Game as Instrument 119

5 The Second Life of Game Sound: Playing with the Game 121
Sonic Modification and Player-Generated Content 123
Modding Game Sound 126
Art Mods 134
Player-Generated Content: A Fourth Wall of Sound 138

Conclusions 143
Future Directions in Interactive Sound Studies 147

Notes 149
References 155
Audiovisual References 173
Index 179