

# CONTENTS

<b>Chapter 1 ■ Introduction to Sound Forge Pro 10.0</b>	<b>1</b>
Exploring MIDI and Digital Audio .....	2
Introducing MIDI .....	2
Introducing Digital Audio .....	2
Describing System Requirements for Sound Forge Pro 10.0 .....	3
Sound Card .....	3
Microphone .....	3
Speakers .....	3
The MIDI Interface .....	3
Introducing File Formats Supported by Sound Forge Pro 10.0 .....	4
Introducing New Features in Sound Forge Pro 10.0 .....	6
Getting Started with Sound Forge Pro 10.0 .....	6
Exploring the Sound Forge Pro 10.0 Interface .....	9
Title Bar .....	9
Menu bar .....	10
Toolbars .....	10
Status Bar .....	10
Workspace .....	10
Data Window .....	10
Channel Meters Window .....	10
Getting Help in Sound Forge Pro 10.0 .....	10
Quitting Sound Forge Pro 10.0 .....	14
Summary .....	14
<b>Chapter 2 ■ Working with Sound Forge Pro 10.0</b>	<b>15</b>
Opening an Existing Audio File .....	16
Working with a Data Window .....	18
Setting the Cursor Position .....	19
Selecting the Data in a Data Window .....	21
Introducing Transport Toolbar .....	23
Working with Markers .....	23
Inserting Markers .....	23
Renaming Markers .....	25
Navigating Markers .....	26

## Sound Forge Pro 10.0 in Simple Steps

# IN SIMPLE STEPS

Working with Regions .....	28
Creating Regions .....	28
Renaming and Splitting Regions .....	29
Extracting Regions to a New File .....	33
Converting Markers into Regions .....	35
Tabbed Browsing for Maximized Data Windows .....	37
Saving and Closing the Audio File .....	42
Summary .....	44

## Chapter 3 ■ Recording and Playback 45

Describing the Automatic Retake Recording .....	46
Introducing Multiple Takes Recording .....	52
Using Punch-In Recording .....	56
Describing Automatic Recording .....	59
Introducing Automatic: Time Recording .....	59
Introducing Automatic: Threshold Recording .....	62
Playing an Audio File using Transport Toolbar .....	66
Working with a Project File .....	67
Creating a Project File .....	68
Rendering a Project File .....	69
Working with Playlists .....	71
Creating a Playlist .....	71
Saving a Playlist .....	76
Opening a Playlist .....	77
Converting a Playlist into an Audio File .....	79
Introducing Performance Optimization .....	81
Summary .....	82

## Chapter 4 ■ Basic Editing in Sound Forge Pro 10.0 83

Working with Editing Tools .....	84
The Edit Tool .....	84
The Magnify Tool .....	84
The Pencil Tool .....	85
The Event Tool .....	85
The Envelope Tool .....	89
Pasting Data using Paste Special Options .....	89

Mixing Data.....	90
Overwriting Data.....	92
Replicating Data.....	94
Creating a New File by using a Portion of a File.....	95
Deleting Data.....	97
Undoing and Redoing Changes.....	98
Trimming/Cropping Data.....	100
Editing a Playlist/Cutlist.....	101
Creating a New Cutlist.....	101
Creating a New File from a Cutlist.....	106
Removing Regions from a Cutlist.....	107
Removing Cutlist Regions from a File.....	107
Summary.....	108

**Chapter 5 ■ Applying the Processing Functions 109**

Working with Presets.....	110
Auto Trimming the Audio Data.....	112
Changing the Bit Depth of an Audio File.....	115
Using Bit-Depth Converter.....	115
Working with iZotope MBIT Dither.....	118
Using the Channel Converter.....	119
Converting a Stereo File to Mono.....	120
Converting a Mono File to Stereo or Multichannel.....	122
Setting the DC Offset.....	124
Working with Equalizers in Sound Forge Pro 10.0.....	126
Using Graphic Equalizer.....	126
Using the Paragraphic Equalizer.....	130
Using the Parametric Equalizer.....	133
Working with the Audio Volume.....	135
Using the Graphic Fade Method.....	135
Using Fade In and Fade Out.....	138
Inverting the Audio Data.....	139
Muting the Volume of the Audio Data.....	140
Normalizing the Audio Volume.....	141
Using Peak Value.....	141
Using the Average RMS Level.....	143

## Sound Forge Pro 10.0 in Simple Steps

# IN SIMPLE STEPS

Using Level Scan .....	144
Panning/Expanding the Audio .....	146
Changing the Sample Rate of the Audio File .....	148
Using the Resample Option .....	148
Using iZotope 64-bit SRC .....	150
Reversing the Audio Data .....	151
Rotating the Audio Data .....	152
Smoothing /Enhancing the Audio Data .....	153
Changing the Length of Audio Data .....	154
Using the Time Stretch Function .....	154
Using the élastique Timestretch Function .....	156
Changing the Volume of the Audio File .....	158
Summary .....	160

## Chapter 6 ■ Working with Audio Effects in Sound Forge Pro 10.0 161

Applying Echo Effects .....	162
Applying Simple Echo Effect .....	162
Applying Multi-Tap Echo Effect .....	165
Applying Chorus Effect .....	168
Applying Flange/Wah-wah Effect .....	172
Applying Pitch Effects .....	174
Applying Pitch Bend Effect .....	175
Applying Pitch Shift Effect .....	178
Applying Vibrato Effect .....	180
Working with the Volume Effects .....	183
Applying Amplitude Modulation Effect .....	183
Applying Distortion Effect .....	185
Applying Graphic Dynamic Effect .....	188
Applying the Multi-Band Dynamic Effect .....	190
Applying Envelope Effect .....	194
Applying Gapper/Snipper Effect .....	196
Applying Noise Gate Effect .....	198
Applying Reverberation Effects .....	200
Applying Reverb Effect .....	200
Applying Acoustic Mirror Effect .....	203



**Table of Contents**

Applying Wave Hammer Effect ..... 206  
 Applying Resonant Filter plug-in Effect ..... 209  
 Summary ..... 210

**Chapter 7 ■ Synthesis, Sampling, and Batch Processing 211**

Working with Synthesis Audio ..... 212  
     Creating DTMF/MF Tones ..... 212  
     Using Simple Synthesis ..... 215  
     Using FM Synthesis ..... 217  
 Introducing Sampling ..... 220  
 Introducing Batch Processing ..... 222  
     Creating a New Batch Job ..... 223  
     Adding Files to a New Batch Job ..... 226  
     Running a Batch Job ..... 228  
 Summary ..... 230

**Chapter 8 ■ Preparing and Publishing Multimedia 231**

Burning an Audio CD ..... 232  
 Working with the Video File ..... 234  
     Attaching a Video to an Audio File ..... 234  
     Editing an Audio Track of a Video File ..... 237  
     Previewing the Video File ..... 239  
 Extracting Audio from the CD ..... 240  
 Publishing Files ..... 243  
 Saving and Quitting Sound Forge Pro 10.0 ..... 252  
 Summary ..... 254