

# CONTENTS

## Volume 2

1 Multi Timbral Mode .....	3	3 Edit .....	80
1. Concept of		1. Rhythm Setup .....	80
the Multi Timbral Mode .....	3	a. Editing Procedure .....	80
2. Basic Procedures .....	5	b. Writing Procedure .....	85
a. Changing Displays .....	5	2. Patch and Timbre .....	86
b. Timbre Selection .....	7	a. Patch .....	86
c. Function Setting .....	9	1) Editing Procedure .....	86
1) MIDI Function Setting .....	9	2) Patch Parameters .....	88
2) Tune/Function Setting .....	12	b. Timbre .....	96
2 Recording .....	17	1) Editing Procedure .....	96
1. Preparation for Recording .....	17	2) Timbre Parameters .....	98
a. Performance Data .....	17	c. Writing Procedure .....	101
b. Setting the Metronome .....	19	1) Writing into	
1) Selecting		the internal memory .....	101
the Metronome Mode .....	19	2) Writing onto	
2) Volume Adjustment .....	20	a Memory Card .....	105
c. Recording Procedure .....	21	3. Tone .....	107
d. Making Rhythm Patterns .....	23	a. The Basic Concept of a Tone .....	107
1) Editing Procedure (I) .....	23	1) Partial and Structure .....	107
2) Editing Procedure (II) .....	29	2) Partial .....	111
3) Writing Procedure .....	32	b. Editing Procedure .....	114
2. Recording .....	36	1) Editing Procedure .....	114
a. Basic Procedure .....	36	2) Editing Functions .....	119
1) Sequencer Mode .....	36	c. Tone Parameters .....	122
2) Rhythm Track .....	39	1) Common .....	122
3) Tracks 1 to 7 .....	45	2) WG Pitch/Modulation .....	125
4) Track 8 .....	49	3) WG Form/Pitch ENV .....	128
b. Editing Performance Data .....	53	4) Pitch ENV .....	133
1) Recording from any bar .....	53	5) TVF Frequency/ENV .....	135
2) Punch In/Punch Out .....	57	6) TVF ENV .....	139
3) Over-dubbing .....	59	7) TVA Level .....	141
4) Clear .....	66	8) TVA ENV .....	144
5) Erase .....	70	d. Writing Procedure .....	146
6) Quantize .....	74	1) Writing into	
c. Song Name .....	76	the internal memory .....	146
3. Sequencer Play .....	77	2) Writing onto a memory card .....	148
a. Play Mode .....	77		
b. Sequencer Mode .....	78		

④ Applications of the D-20 .....	150	⑦ Trouble Information .....	209
1. Performance Mode .....	150	1. Before Calling for Service .....	209
a. Using the Sequencer .....	150	2. Error Messages .....	212
1) Structure of the Sequencer .....	150		
2) How to Use the Sequencer .....	152	⑧ Appendix .....	219
b. Using MIDI Devices .....	152	1. Tables .....	219
1) How MIDI Messages run .....	153	a. Performance Mode .....	219
2) Examples .....	155	b. Multi Timbral Mode .....	220
3) MIDI Function Setting .....	157	c. Tone Parameters .....	221
4) MIDI Channel Setting		d. PCM Sounds .....	222
for each Part .....	162	e. Preset Rhythm Tones .....	224
5) Sync .....	164	f. Preprogrammed Rhythm Setup .....	224
2. Multi Timbral Mode .....	166	g. Preset Tones .....	225
a. Using MIDI Devices .....	166	h. Others .....	226
1) How MIDI Messages run .....	166	2. Sample Notes .....	227
2) Examples .....	168	a. Patch/Timbre .....	227
3) Sync .....	170	b. Tone .....	228
b. Recording from		c. Rhythm Setup .....	229
an external sequencer .....	172		
⑤ Data Transfer .....	175		
1. Copying with a Floppy Disk .....	175		
a. Formatting .....	177		
b. Saving .....	180		
c. Loading .....	184		
d. Deleting .....	186		
2. Copying with a Memory Card .....	188		
b. Saving .....	189		
c. Loading .....	192		
3. Data Transfer with MIDI .....	195		
⑥ LA System .....	200		
1. What is sound made of ? .....	200		
2. Understanding Sound Synthesis .....	204		
a. Structure .....	204		
b. The Editing Procedure .....	208		