

PROTEUS[®] 2000
EXPANSION SOUND ROM

DEFINITIVE B-3

E-MU PN FI10423

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Intro

The **Definitive B-3** 32MB ROM was engineered to capture the sound and feel of the legendary B-3 organ. The rotating speaker effects can be spun-up and spun-down independent of note-on events and a single trigger, polyphonic harmonic percussion generator perfectly simulates the playing behavior of the original. Meticulous sampling and advanced synthesis technology combine to provide a perfect recreation of the instrument.

IMPORTANT!

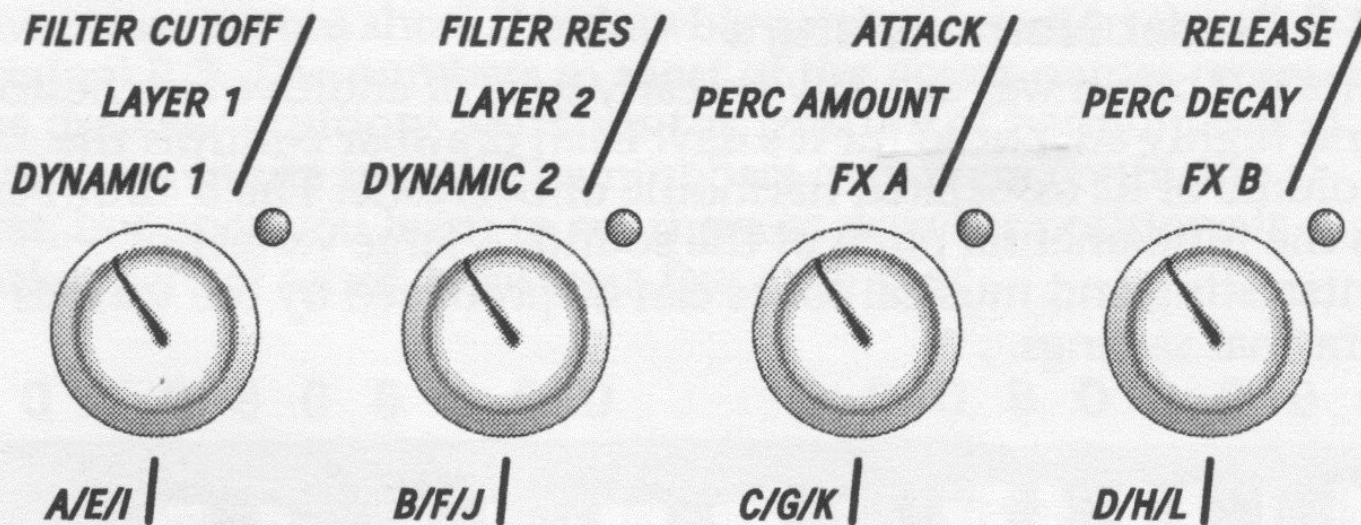
SOFTWARE UPDATE REQUIRED

Several new software features implement the rotating speaker effects and 1st-note percussion required by the B-3 presets. This new software (Version 1.10), along with the downloader is available on the E-MU web site: **www.emu.com**.

Front Panel Knob Functions

The front panel knob functions are standardized for most of the factory presets. The typical functions of the controller knobs are described on the following page. Match the controller knobs on your MIDI controller to the realtime controller assignments in the master menu to control these functions.

The front panel knobs can be reprogrammed for each preset and stored in any of the user presets. The functions shown on the following page are the factory programmed settings.



Filter Cutoff

Filter Res

Attack

Release

Layer 1

Layer 2

Percussion Amount

Percussion Decay

Dynamic 1

Dynamic 2

FX A

FX B

Filter Frequency

Filter Resonance

Volume or Filter Envelope Attack

Volume or Filter Envelope Release

Controls the Volume of Layer 1

Controls the Volume of Layer 2

Controls the Percussion Volume Layer

Controls the Percussion Layer Decay Time

Typically Velocity -> Amplifier Volume

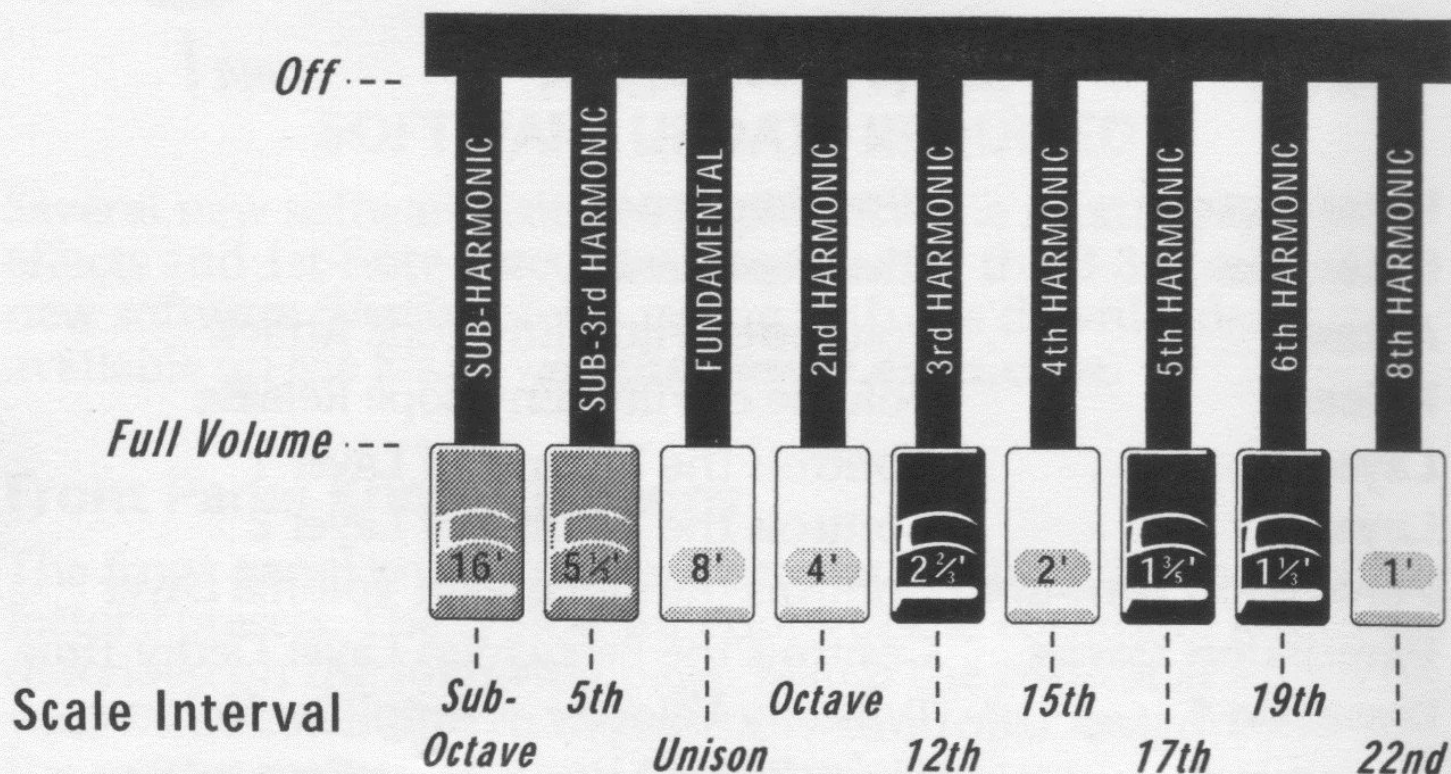
Typically Velocity -> Filter Frequency

Effects Processor A Amount

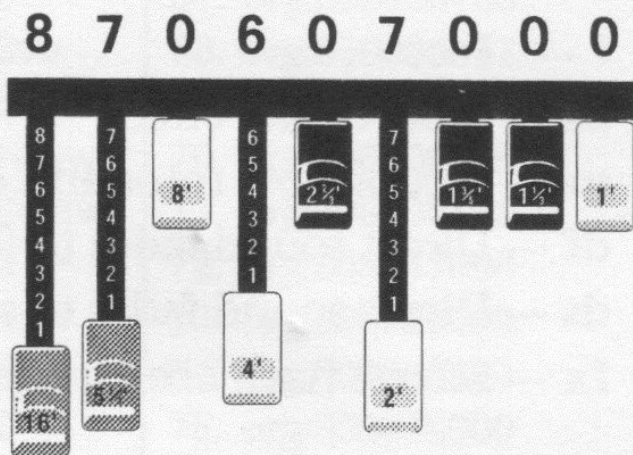
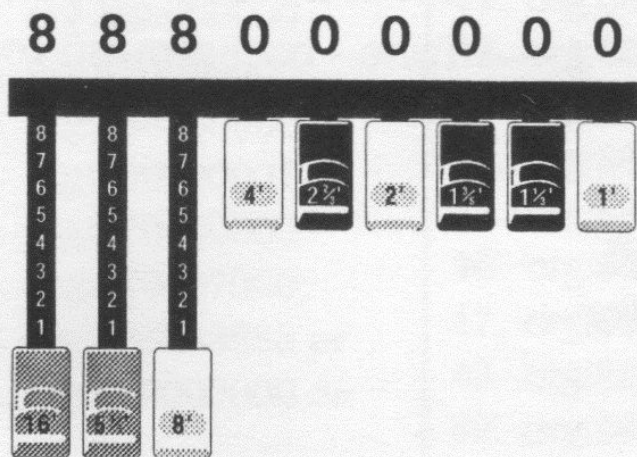
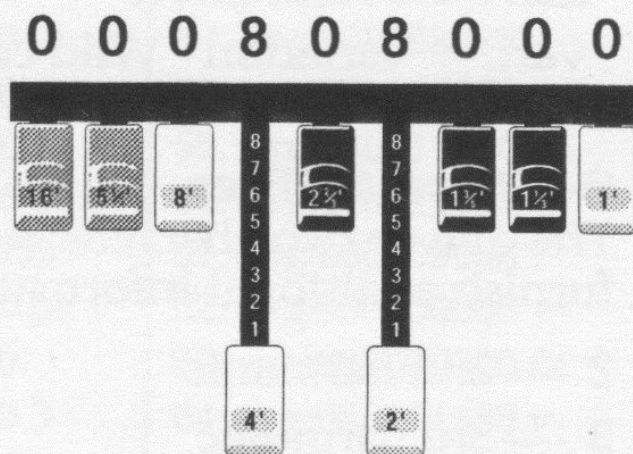
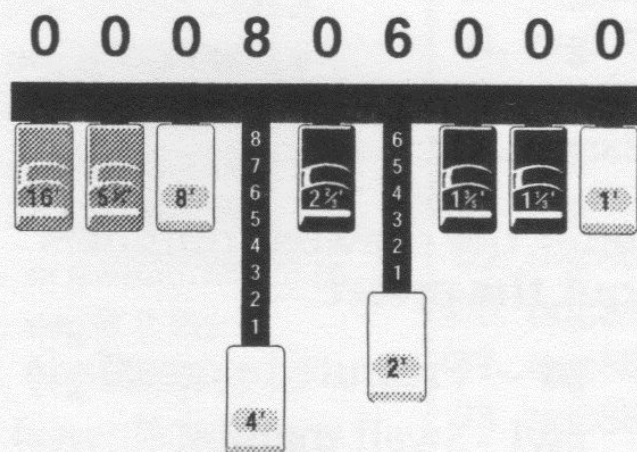
Effects Processor B Amount

B-3 Preset Nomenclature

The B-3 organ was actually an early type of additive synthesizer and highly advanced for it's day! Each drawbar controls the volume of its associated harmonic or overtone. The 8' drawbar is the fundamental pitch of the sound. A large variety of interesting and musical tones can be produced by the various drawbar settings.



The preset names show the drawbar settings used on the original B-3. The numbers in most of the preset names represent the drawbar positions and thus the mixture of harmonics and overtones in the sound. The numbers may seem confusing at first, but once you learn to see them as drawbar positions it makes perfect sense. Here are a few examples:



Presets

Preset Categories

cmb: Combination of manuals
dir: Organ direct - No Rotor
lnk: Linked to other presets
org: Organ w /Rotor
sfx: Sound Effect
var: Variation - Wild card

B-3 Preset Suffixes

The one or two character suffixes after the drawbar numbers furnish additional information about the preset.

2 ---- 2nd harmonic

3 ---- 3rd harmonic

d ---- Distortion

v ---- Vibrato

f ----- Fast

mw - Mod Wheel effect

mx - Mix of slow rotor and direct

df --- Direct sound fades to fast rotor

ds --- Direct sound fades to slow rotor

fx --- Effects have been added

pr --- Pressure to crossfade

swl - Swell manual (lower)

ped - Pedal - Bass Pedals

gt --- Great manual (upper)

t ----- Tone - background tone

Presets: Bank 0

0. org:888000000 2
1. org:888000000 3
2. org:888888888mw
3. org:886311588 v
4. org:888800000 2
5. org:888800000 3
6. org:800000008 v
7. org:888800000 v2
8. org:888800000 v3
9. org:888888888 v
10. org:888000000 fx
11. org:B-3 Efx
12. org:886311586
13. org:858000000 2
14. org:858000000 3
15. org:888500000
16. org:888060000
17. org:870060500
18. org:888850000
19. org:800000007
20. org:870650000
21. org:870607000
22. org:888888888 pr
23. org:860000000 ds

24. org:860000000 df
25. org:800000008 ds
26. org:800000008 df
27. org:808000000 ds
28. org:808000000 df
29. org:888000050 pr
30. org:008004000
31. org:008500000
32. org:888000000
33. org:888000000 3
34. org:888000000 2
35. org:888000v/808
36. org:888000000 pr
37. org:888800000
38. org:888800000 3
39. org:88880000vb 3
40. org:888800000vmw
41. org:888888888
42. org:888888888vb
43. org:888888888
44. org:8888-8888vmw
45. org:888888888vmw
46. org:888811580 v
47. org:686311586
48. org:886311588
49. org:888000000

50. org:888000007
51. org:888000050
52. org:888000000 d
53. org:888000000 3
54. org:888800000 v
55. org:888888888 v
56. org:888888888 d
57. org:888888888
58. org:888888888 t
59. org:886311580
60. org:886311588 v
61. org:800000008
62. org:800000006 v
63. org:888000000 fx
64. org:086311588 v
65. org:850700007
66. org:850700070
67. org:850008700
68. org:850000067
69. org:808700070
70. org:808000078
71. org:808006700
72. org:808067000
73. org:808880000
74. org:808800800
75. org:808088000

Preset List

76. org:808850000	102. cmb:Ped/Gt 3
77. org:808000000	103. cmb:Ped/Gt 4
78. org:8888-AllOut	104. cmb:Ped/Gt 5
79. org:888-AllOut	105. cmb:Ped/Gt 6
80. org:888-AllOut 1	106. cmb:Ped/Gt 7
81. org:888-AllOut 2	107. cmb:Ped/Gt 8
82. org:16/1-HS	108. cmb:Ped/Gt 9
83. org:8888-AllOut	109. org:Pedals 01
84. org:888-AllOut s	110. org:Pedals 02
85. org:888-AllOut f	111. org:Pedals 03
86. org:888-HShoe f	112. org:Pedals 04
87. org:AllOut-888 f	113. org:Pedals 05
88. org:AllOut-8888	114. org:Pedals 06
89. org:AllOut-888 f	115. org:Pedals 07
90. org:AllOut-8888v	116. org:Pedals 08
91. cmb:Ped/Swl/Gt 1	117. org:Pedals 09
92. cmb:Ped/Swl/Gt 2	118. org:Pedals 10
93. cmb:Ped/Swl/Gt 3	119. sfx:Stab
94. cmb:Ped/Swl/Gt 4	120. sfx:Percy 1
95. cmb:Ped/Swl/Gt 5	121. sfx:Percy 2
96. cmb:Ped/Swl/Gt 6	122. sfx:Percy 3
97. cmb:Ped/Swl/Gt 7	123. sfx:Percy 4
98. cmb:Ped/Swl/Gt 8	124. sfx:Rotozone
99. cmb:Ped/Swl/Gt 9	125. sfx:Volution
100. cmb:Ped/Gt 1	126. sfx:DenseTexture
101. cmb:Ped/Gt 2	127. sfx:Drawbars

Presets: Bank 1

0. dir:800000000 2
1. dir:800000000 3
2. dir:880000000 2
3. dir:880000000 3
4. dir:888000000 2
5. dir:888000000 3
6. dir:888800000 2
7. dir:888800000 3
8. dir:888860000 2
9. dir:888888888
10. dir:888060000 3
11. dir:888000001
12. dir:818000005
13. dir:858000000 3
14. dir:888000050 3
15. dir:860000240 3
16. dir:888400350 2
17. dir:860000000 3
18. dir:860650000 3
19. dir:860607000 3
20. dir:870060000 3
21. dir:870060500 3
22. dir:808000000 3
23. dir:800700000 2
24. dir:800060000 2

25. dir:800005000 2	50. dir:058050230 3	76. dir:858000000 fx
26. dir:800000340 3	51. dir:080050320 3	77. dir:888000000 mx
27. dir:800000060 3	52. dir:865300053	78. dir:888600000 mx
28. dir:800000005	53. dir:868040020 3	79. dir:800000004 fx
29. dir:800000007	54. dir:858054030 2	80. dir:800000008 mx
30. dir:008004000	55. dir:870030320 3	81. dir:867500000 mx
31. dir:008500000	56. dir:078030020 3	82. dir:878644302 mx
32. dir:008500300	57. dir:088803455	83. dir:886311580 mx
33. dir:000800008	58. dir:038800230 3	84. dir:084000020 mx
34. dir:000088880	59. dir:008600030 3	85. dir:824000030 mx
35. dir:000005678	60. dir:808504002 2	86. dir:858040030 mx
36. dir:880800000 2	61. dir:800704002 2	87. dir:888000040 mx
37. dir:880800000 3	62. dir:848040000 2	88. dir:788800240 mx
38. dir:880800800 3	63. dir:888800560 3	89. dir:888844440 mx
39. dir:880080000 2	64. dir:888880060 3	90. dir:Ped/Grt1 mx
40. dir:808850000 2	65. dir:868800000 ds	91. dir:Ped/Grt2 mx
41. dir:808850000 3	66. dir:868800000 df	92. dir:Ped/Grt3 mx
42. dir:808850050 3	67. dir:868008000 ds	93. dir:Ped/Grt4 mx
43. dir:886322588	68. dir:860808800 df	94. dir:888888000 mx
44. dir:876400566	69. dir:886422588 fx	95. dir:888888800 mx
45. dir:888766000 3	70. dir:888888888 fx	96. dir:888888888 mx
46. dir:888800230 3	71. dir:808808008 fx	97. dir:888600000mfx
47. dir:808808008	72. dir:888000000 3d	98. dir:800000008mfx
48. dir:408808004	73. dir:888800000 3d	99. dir:886311588mfx
49. dir:860060320 2	74. dir:008600030 fx	100. lnk:000080000
	75. dir:860040300 fx	101. lnk:000088000

Preset List

102. lnk:000080800
103. lnk:000080080
104. lnk:000080008
105. lnk:000008000
106. lnk:000008800
107. lnk:000008080
108. lnk:000008008
109. lnk:000000800
110. lnk:000000880
111. lnk:000000808
112. lnk:000000080
113. lnk:000000088
114. lnk:000000008
115. lnk:000000888
116. lnk:000088000alt
117. lnk:Perc9thDir a
118. lnk:Perc2ndDir a
119. lnk:Perc3rdDir a
120. lnk:Perc2ndDir b
121. lnk:Perc3rdDir b
122. lnk:Perc2ndDir c
123. lnk:Perc3rdDir c
124. :default
125. :default
126. :default
127. :default

Presets: Bank 2

0. var:1st3PlyPerc2
1. var:1st3PlyPerc
2. var:1st4PlyPerc2
3. var:1st4PlyPerc3
4. var:Cathedral
5. var:Bi Phase
6. var:AM
7. var:All Out Dist
8. var:Sweet Bees
9. var:Rocker
10. var:V-Bass Split
11. var:V-Q5
12. var:Bull Runner
13. var:Rez Touch 1
14. var:Rez Touch 2
15. var:Rez Touch 3
16. var:Rez Touch 4
17. var:KingsSweep
18. var:999999999
19. var:Slivering
20. var:Sky 4
21. var:B Known
22. var:Ice B3
23. var:B a Squak
24. var:Sweeper

25. var:Slow Q
26. var:Reed Tone
27. var:3 Decaying
28. var:9 Decaying
29. var:Big Classic
30. var:Four Out
31. var:Three Sweep
32. var:888&8888 V3
33. var:Heavens B
34. var:B-Files
35. var:Mojo B
36. var:Penny Organ
37. var:1st3 Plus
38. var:1st3 Dist
39. var:1st3 mw 3
40. var:1st3-4 mw 3
41. var:1st3&4 Phase
42. var:1st4 Plus
43. var:1st4 Dist
44. var:1st4 Ultra
45. var:1st 5 Phase
46. var:1st6 Slow mw
47. var:1st9 Slow mw
48. var:1st5PrsPlay
49. var:AllOutWhlWah

Preset List

50. var:Full House	76. var:Coming Back	102. lnk:000080800
51. var:Ghost B	77. var:B Careful	103. lnk:000080080
52. var:HorsePresWah	78. var:X-1 Tracker	104. lnk:000080008
53. var:1st4+Harms	79. var:Shifter	105. lnk:000008800
54. var:Mello Spin	80. lnk:800000008 v	106. lnk:000008080
55. var:Motions 1	81. lnk:800000000	107. lnk:000008008
56. var:Motions 2	82. lnk:080000000	108. lnk:000000880
57. var:Motions 3	83. lnk:008000000	109. lnk:000000808
58. var:Harmoniums	84. lnk:000800000	110. lnk:000000088
59. var:Harms All	85. lnk:800080000	111. lnk:000000008
60. var:Harm Seq 1	86. lnk:000008000	112. lnk:008800000 b
61. var:Harm Seq 2	87. lnk:000000800	113. lnk:Perc9th
62. var:To Harms	88. lnk:000000080	114. lnk:Perc2nd a
63. var:888 Gruzz	89. lnk:000000008	115. lnk:Perc3rd a
64. var:Pulse Fix	90. lnk:008800000	116. lnk:Perc2ndVel
65. var:Blah Blah	91. lnk:008080000	117. lnk:Perc3rdVel
66. var:Mysteria	92. lnk:008008000	118. lnk:Perc2nd b
67. var:Outer Solo	93. lnk:008000800	119. lnk:Perc3rd b
68. var:8888SlackPhz	94. lnk:008000080	120. lnk:Perc2ndPly
69. var:1st3 Perc9th	95. lnk:008000008	121. lnk:Perc3rdPly
70. var:1st4 Perc9th	96. lnk:000880000	122. lnk:HarmsAllLnk1
71. var:8888 Gruzz	97. lnk:000808000	123. lnk:HarmsAllLnk2
72. var:All 9 Gruzz	98. lnk:000800800	124. lnk:Harm Seq Lnk
73. var:Lo Fi	99. lnk:000800080	125. :default
74. var:Mr Perk	100. lnk:000800008	126. :default
75. var:Submerged	101. lnk:000088000	127. :default

Instrument List

0. None	23. org:SlowPedals S	47. org:8' Fast M Fb
1. org:1st3 Slow S	24. org:16'Slow S Fb	48. org:4' Fast S Fb
2. org:1st3 Slow M	25. org:16'Slow M Fb	49. org:4' Fast M Fb
3. org:1st3 Fast S	26. org:5-1/3'SlwSFb	50. org:2-2/3'FstSFb
4. org:1st3 Fast M	27. org:5-1/3'SlwMFb	51. org:2-2/3'FstMFb
5. org:1st4 Slow S	28. org:8'Slow S Fb	52. org:2'Fast S Fb
6. org:1st4 Slow M	29. org:8'Slow M Fb	53. org:2'Fast M Fb
7. org:1st4 Fast S	30. org:4'Slow S Fb	54. org:1-3/5'FstSFb
8. org:1st4 Fast M	31. org:4'Slow M Fb	55. org:1-3/5'FstMFb
9. org:1st4SlowVibM	32. org:2-2/3'SlwSFb	56. org:1-1/3'FstSFb
10. org:1st4FastVibM	33. org:2-2/3'SlwMFb	57. org:1-1/3'FstMFb
11. org:16&1SlowVibM	34. org:2'Slow S Fb	58. org:1'Fast S Fb
12. org:0863115.SlwS	35. org:2'Slow M Fb	59. org:1'Fast M Fb
13. org:0863115.SlwM	36. org:1-3/5'SlwSFb	60. org:Perc2ndSlwFb
14. org:0863115.FstS	37. org:1-3/5'SlwMFb	61. org:Perc3rdSlwFb
15. org:0863115.FstM	38. org:1-1/3'SlwSFb	62. org:16'SlowS Fb2
16. org:08631.SlwVbM	39. org:1-1/3'SlwMFb	63. org:16'SlowM Fb2
17. org:AllOutSlow S	40. org:1'Slow S Fb	64. org:16' Slow S
18. org:AllOutSlow M	41. org:1'Slow M Fb	65. org:16' Slow M
19. org:AllOutFast S	42. org:16'Fast S Fb	66. org:5-1/3' Slow S
20. org:AllOutFast M	43. org:16'Fast M Fb	67. org:5-1/3' Slow M
21. org:AllOutSlwVbS	44. org:5-1/3'FstSFb	68. org:8' Slow S
22. org:AllOutSlwVbM	45. org:5-1/3'FstMFb	69. org:8' Slow M
	46. org:8' Fast S Fb	70. org:4' Slow S

Instrument List

71. org:4' Slow M	94. org:2' Fast S	117. org:5-1/3' Direct
72. org:2-2/3' Slow S	95. org:2' Fast M	118. org:8' Direct
73. org:2-2/3' Slow M	96. org:1-3/5' Fast S	119. org:4' Direct
74. org:2' Slow S	97. org:1-3/5' Fast M	120. org:2-2/3' Direct
75. org:2' Slow M	98. org:1-1/3' Fast S	121. org:2' Direct
76. org:1-3/5' Slow S	99. org:1-1/3' Fast M	122. org:1-3/5' Direct
77. org:1-3/5' Slow M	100. org:1' Fast S	123. org:1-1/3' Direct
78. org:1-1/3' Slow S	101. org:1' Fast M	124. org:1' Direct
79. org:1-1/3' Slow M	102. org:Perc2ndSlow	125. org:Perc2ndDir
80. org:1' Slow S	103. org:Perc3rdSlow	126. org:Perc3rdDir
81. org:1' Slow M	104. org:16' DirectFb	127. org:EFX Master
82. org:16' FastS Fb2	105. org:5-1/3' Dir Fb	128. org:Rotor Pan
83. org:16' FastM Fb2	106. org:8' Direct Fb	129. org:Generator
84. org:16' Fast S	107. org:4' Direct Fb	130. org:Volution
85. org:16' Fast M	108. org:2-1/3' Dir Fb	131. org:Harms Vox
86. org:5-1/3' Fast S	109. org:2' Direct Fb	132. org:DenseTexture
87. org:5-1/3' Fast M	110. org:1-3/5' Dir Fb	133. org:Drawbar
88. org:8' Fast S	111. org:1-1/3' Dir Fb	134. org:Start Switch
89. org:8' Fast M	112. org:1' Direct Fb	135. org:Stab
90. org:4' Fast S	113. org:Perc2ndDirFb	136. org:Percy 1
91. org:4' Fast M	114. org:Perc3rdDirFb	137. org:Percy 2
92. org:2-2/3' Fast S	115. org:16'DirectFb2	138. org:Percy 3
93. org:2-2/3' Fast M	116. org:16' Direct	139. org:Percy 4
		140. org:No-Tone

Riffs

- | | | |
|-----------------|--------------|-----------------|
| 1. Ballad 1 | 30. Fusion 7 | 59. Rock 8 |
| 2. Ballad 2 | 31. Gospel 1 | 60. Rock 9 |
| 3. Ballad 3 | 32. Gospel 2 | 61. Rock 10 |
| 4. Ballad 4 | 33. Gospel 3 | 62. SFX 1 |
| 5. Ballad 5 | 34. Jam 1 | 63. SFX 2 |
| 6. Ballad 6 | 35. Jam 2 | 64. Smooth 1 |
| 7. Ballad 7 | 36. Jam 3 | 65. Smooth 2 |
| 8. Blues 1 | 37. Jam 4 | 66. Smooth 3 |
| 9. Blues 2 | 38. Jazz 1 | 67. Smooth 4 |
| 10. Blues 3 | 39. Jazz 2 | 68. Smooth 5 |
| 11. Blues 4 | 40. Jazz 3 | 69. Smooth 6 |
| 12. Classical 1 | 41. Jazz 4 | 70. Tech 1 |
| 13. Classical 2 | 42. Jazz 5 | 71. Tech 2 |
| 14. Dance 1 | 43. Jazz 6 | 72. Tech 3 |
| 15. Dance 2 | 44. Jazz 7 | 73. Trance 1 |
| 16. Dance 3 | 45. Jazz 8 | 74. Trance 2 |
| 17. Dance 4 | 46. Latin 1 | 75. Variation 1 |
| 18. Funk 1 | 47. Latin 2 | 76. Variation 2 |
| 19. Funk 2 | 48. Latin 3 | 77. Variation 3 |
| 20. Funk 3 | 49. Lounge 1 | 78. Variation 4 |
| 21. Funk 4 | 50. Lounge 2 | 79. Variation 5 |
| 22. Funk 5 | 51. Lounge 3 | 80. Variation 6 |
| 23. Funk 6 | 52. Rock 1 | 81. Variation 7 |
| 24. Fusion 1 | 53. Rock 2 | 82. Variation 8 |
| 25. Fusion 2 | 54. Rock 3 | 83. Variation 9 |
| 26. Fusion 3 | 55. Rock 4 | |
| 27. Fusion 4 | 56. Rock 5 | |
| 28. Fusion 5 | 57. Rock 6 | |
| 29. Fusion 6 | 58. Rock 7 | |

Personnel**Exec. Producer/Sampling/Presets/****Audition Demos**

Tim Swartz

Sample Editing/Presets

Ed Dickie

Sample Editing

Michael Struble

Presets/Audition Demos

Scott Plunket

Audition Demos

Nate Tschetter

Swingin' B-3 Demo

Scott Plunket

Performer/Equipment/Audition Demos

John Novello

Technical/Logistics/Council

Sam Ward

Equipment

Hammond B-3

Hammond A-100 Customized

122 Leslie - Tube

145 Leslie - Transistor

John's Rack 'O' Gear

Recording

Eight Tracks, 24-bit Digital

Track 1 122 Leslie Upper Left

Track 2 122 Leslie Upper Right

Track 3 122 Leslie Lower Center

Track 4 145 Leslie Upper Left

Track 5 145 Leslie Upper Right

Track 6 145 Leslie Lower Center

Track 7 Direct Line Out

Track 8 Direct Line from John's Rack

24 bit A/D Conversion - Apogee AD8000

Recorded at Sunset Sound,
Hollywood, CA, July 1998



WORLD HEADQUARTERS

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