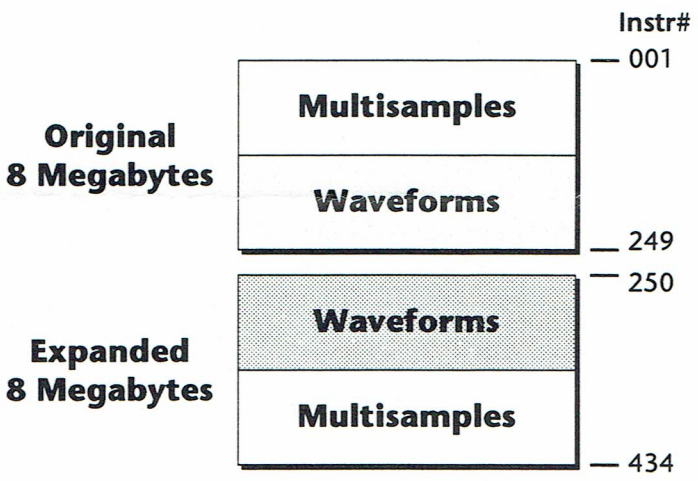
VINTAGE KEYS EXPANDER

This upgrade adds an additional 8 Megabytes of ROM samples to a standard Vintage Keys unit for a grand total of 16 Megabytes. The upgrade also includes 256 new ROM presets and 256 new RAM presets The preset organization is shown below.

000 - 255	RAM Presets
256 - 511	ROM Presets

The Vintage Expansion Instruments are arranged in "reverse order" in that the waveforms come before the multi-sampled instruments. This makes it easier to find the multisampled instruments since they are located at the ends of the list.



To top it all off, there are two brand new demo sequences which showcase the new instruments and preset sounds.

Acoustic Piano

0. apo:PlusDXep
1. apo:Xpresiv1
10. apo:& Dyno 3
11. apo:Plus MkI
12. apo:JoSample
13. apo:&Lo Orgn
14. apo:&Hi Orgn
15. apo:C3/M12
16. apo:CPchorus
17. apo:CP70/M12
18. apo:StagePno
19. apo:Tack 70

Electric Piano

2. epo:Mod fm
20. epo:FndrRhds
21. epo:HyprDyno
22. epo:KeyBass
23. epo:Wurli 2
24. epo:WurliChr
25. epo:fmDream
26. epo:Basic DX
27. epo:Dual DX
28. epo:ARPinet
29. epo:WillClav

Comp

3. cmp:DxAngels
30. cmp:Xylosyn
31. cmp:DualSync
32. cmp:Kotolith
33. cmp:BeloVox
34. cmp:D50ish 1
35. cmp:DX&ARP
36. cmp:PPGHarps
37. cmp:VibeMoog
38. cmp:PPG&Moog
39. cmp:Enchantd
200. cmp:ToyPiano

Comp

201. cmp:MusicBox
202. cmp:Carillon
203. cmp:HarpsJP8
204. cmp:D50ish 2
205. cmp:PPG Zylo
206. cmp:SqrPipes
207. cmp:BelPiper
208. cmp:Britness
209. cmp:ARP&Juno

String

4. str:Chambrln
40. str:Early80s
41. str:MelloMem
42. str:Slow J1
43. str:Tron #1
44. str:Tron #2
45. str:Tron #3
46. str:Tron #4
47. str:OB& Moog
48. str:OBX Fade
49. str:Junolin

Brass

5. brs:Profit 5
50. brs:Moog&ARP
51. brs:OB Sweep
52. brs:MoogBell
53. brs:3 Piece
54. brs:With Sax
55. brs:SoloMood
56. brs:Sforzan1
57. brs:Sforzan2
58. brs:Sforzan3
59. brs:Sticky

Bass

6. bas:Low Moog
60. bas:Juno Cow
61. bas:PPG Palm
62. bas:M12Gargl
63. bas:Froggy
64. bas:MoogRipr
65. bas:Pro5 Hum
66. bas:Moog Wet
67. bas:MoogPerc
68. bas:Moog Rez
69. bas:TauraPan
108. bas:Genrator
180. bas:DeepBas9
181. bas:OrgnPerc
182. bas:DefPulse
183. bas:Taurus I
184. bas:Beatback
185. bas:Buzzer
186. bas:Moog Rez
187. bas:Jaco Syn
188. bas:LazrBeam
189. bas:MicroMin

Lead

7. led:Yamonica
70. led:Emu Saws
71. led:Emu Sqrs
72. led:Emu Tri
73. led:EchoMoog
74. led:MicroMem
75. led:P5 Sync
76. led:SEM Rez
77. led:Telstar
78. led:JM Jarre
79. led:GinsuNif
109. led:ARP Rez
190. led:P5SyncII
191. led:ThinMoog
192. led:Rez 2600
193. led:Quacker
194. led:ARP Rez
195. led:ThinWave
196. led:5thsMoog
197. led:Very Sqr
198. led:M12&Clav
199. led:EchoSaws

Organ

8. org:HmndGrit
80. org:Airy B3
81. org:Lo Perc
82. org:Panner
83. org:FullMoog
84. org:M12 High
85. org:Topper
86. org:Bostonia
87. org:FullBars
88. org:Cathedrl
89. org:The Rink
102. org:ChrchLdy
120. org:KeyClick
121. org:AirSatz
122. org:Cussive
123. org:Chopper

Organ

124. org:EchoHall
125. org:Percuar
126. org:FarfClik
127. org:Echo Vox
128. org:Jaguar
129. org:Vox Cont

Sweep

9. swp:TheOcean
90. swp:Moog Rez
91. swp:Nostromo
92. swp:BronzAge
93. swp:New Dawn
94. swp:Risen
95. swp:MegaLink
96. swp:PPGDream
97. swp:MoogSaws
98. swp:MicroAir
99. swp:M12&Moog
100. swp:FiltSaws

Techno

101. tek:Gtr Benz
110. tek:Gtr 1200
111. tek:Mob Hit
112. tek:Grunge
113. tek:Scary
114. tek:Meta
115. tek:MindLock
116. tek:Rev Moog
117. tek:Traktor
118. tek:Verdict
119. tek:Future

Digital

103. dig:ital Air
130. dig:Bali Low
131. dig:RockMoog
132. dig:PiperPad
133. dig:DreamPno
134. dig:Tablura
135. dig:PPG Kord
136. dig:Harpsi
137. dig:Kaliopad
138. dig:Himlayan
139. dig:PPGCycle

Pad

104. pad:P5 Pulse
105. pad:GabesGtr
140. pad:PolyMoog
141. pad:P5 Piper
142. pad:Alaska
143. pad:Escape
144. pad:FltrStik
145. pad:Sky Saw
146. pad:Contnent
147. pad:DarkSaws
148. pad:FiltWhl1
149. pad:Ye-ei-ei
150. pad:Matrix
151. pad:BelChoir
152. pad:OBXwin
153. pad:Dragon
154. pad:P5Filter
155. pad:2ndOrder
156. pad:Aylius
157. pad:Air Gtrs
158. pad:Mute Vox
159. pad:Med Moog

Clock

106. clk:AX60 S&H
160. clk:Tin Moon
161. clk:MetlRain
162. clk:Cliche
163. clk:BriteDcy
164. clk:Who&How
165. clk:W/Bottom
166. clk:Fluty
167. clk:Winter
168. clk:Crazy
169. clk:Peckerz

Sound FX

107. sfx:JustHuge
170. sfx:EndOTape
171. sfx:Klaxon
172. sfx:Receptor
173. sfx:RezKoptr
174. sfx:Glurpy
175. sfx:VeryCool
176. sfx:MadDrill
177. sfx:Birdz
178. sfx:107LinkA
179. sfx:107LinkB

Electric Bass

210. elb:PickFngr
211. elb:Fingered
212. elb:Picker
213. elb:Paul Mc
214. elb:With Top
215. elb:HammerOn

Guitar

216. gtr:Texture
217. gtr:Mr Jones
218. gtr:LiteMetl
219. gtr:Mu-Tron
220. gtr:Ricki 6
221. gtr:Echoplex
222. gtr:ElSitar2
223. gtr:Indo Set

Drum

224. drm:BasicKit
225. drm:Verb 1
226. drm:Verb 2
227. drm:Verb3
228. drm:Dr.909
229. drm:Analogue
230. drm:Poly 2/3

Link

231. lnk:Organ 9
232. lnk:Organ 10
233. lnk:Organ 11
234. lnk:Organ 12
235. lnk:Organ 13
236. lnk:Sfrz 1
237. lnk:Sfrz 2
238. lnk:Sfrz 3
239. lnk:UndrPuls

Default

240. —default—
241. —default—
242. —default—
243. —default—
244. —default—
245. —default—
246. —default—
247. —default—
248. —default—
249. —default—
250. —default—
251. —default—
252. —default—
253. —default—
254. —default—
255. —default—

Acoustic Piano

256. apo:Stereo
265. apo:Grand 1
266. apo:Grand 2
267. apo:+MoogStr
268. apo:Gospel
269. apo:CPChorus
270. apo:CPStereo
271. apo:CP Mono
272. apo:CP-Way
273. apo:CP/Tron
274. apo:Out West

Electric Piano

257. epo:Mark I
275. epo:MkI Chrs
276. epo:BasicMkI
277. epo:LA Dyno
278. epo:Wurlitzr
279. epo:Fat Clav
280. epo:Pianet 1
281. epo:CrystalE
282. epo:DX EPO
283. epo:Stickeys
284. epo:Dyno0>11

Comp

258. cmp:PowerOut
285. cmp:Polysync
286. cmp:PolyJuno
287. cmp:Clavina
288. cmp:Poly ARP
289. cmp:MoogFilt
290. cmp:OB-Moog
291. cmp:RezMoog
292. cmp:Infinity
293. cmp:KtchSynk
294. cmp:Ringer
454. cmp:Digalog1
455. cmp:Digalog2

Comp

456. cmp:Zylomoog
457. cmp:Al & Bob
458. cmp:OB Sweep
459. cmp:PerKlavr
460. cmp:Air Vox
461. cmp:ARPenatr
462. cmp:Wowzzer
463. cmp:Sub Dude

String

259. str:MegaLush
295. str:SmalHall
296. str:LargHall
297. str:ThickSyn
298. str:Soft Syn
299. str:BaseCham
300. str:Tron+Brs
301. str:Chambrln
302. str:For Film
303. str:ARPStrng
304. str:M12Strng

Brass

260. brs:ProFive
305. brs:MoogReal
306. brs:MemMoog
307. brs:DosSynth
308. brs:FatBrass
309. brs:Prophet5
310. brs:BrassPad
311. brs:Regality
312. brs:EcoGlide
313. brs:Submerge
314. brs:TronLink

Bass

261. bas:Juneau 1
315. bas:MinMoog1
316. bas:Hybrid
317. bas:TaurusII
318. bas:Jupiter6
319. bas:MinMoog2
320. bas:ARP Sync
321. bas:ARP Rezo
322. bas:MicroMoo
323. bas:Gargoyle
324. bas:FatStick
362. bas:MinMoog3
434. bas:MinMoog4
435. bas:MinMoog5
436. bas:J106Bass
437. bas:PPG Echo
438. bas:J1 Echo
439. bas:JunoAcid
440. bas:Rez Body
441. bas:GabeBass
442. bas:Ms Bjork
443. bas:Back&For

Lead

262. led:DualSync
325. led:EchoLead
326. led:Winter
327. led:Function
328. led:OB Mod
329. led:Rezonate
330. led:Moon Man
331. led:Big Moog
332. led:Velo Cat
333. led: ABACAB
334. led:RockHarp
363. led:Moog3rds
444. led:2600Filt
445. led:DblPulse
446. led:DblSync
447. led:DualSync

Lead

448. led:Metalik
449. led:Synco
450. led:SEM Wave
451. led:MoogPuls
452. led:Fizzzzy
453. led:BriteSyn

Techno

263. tek:El Guiro
335. tek:Notronix
336. tek:Mr Q
337. tek:2EndNail
338. tek:EarPoker
339. tek:DirtyBas
340. tek:I Madman
341. tek:Sirenz
342. tek:3rd Eye
343. tek:B Movie
344. tek:Vynlator

Sound FX

264. sfx:Alienz
345. sfx:Rattler
346. sfx:2Strange
347. sfx:WaterLog
348. sfx:Trippy
349. sfx:Fly By
350. sfx:StereoFX
351. sfx:Dicer
352. sfx:Landing
353. sfx:Caligari
354. sfx:Yes Sir

Organ

355. org:Full Rok
356. org:Jag Chrs
364. org:Lo & Mid
365. org:Lo & Hi
366. org:MostlyHi
367. org:Mid & Hi
368. org:LoPerc
369. org:LoMidPrc
370. org:LoHiPerc
371. org:FullPerc
372. org:HiPerc
373. org:DarkPerc
374. org:Farfisa
375. org:Jag Sub5
376. org:Jag Sub8
377. org:Hmnd/Vox
378. org:VeloVox
379. org:Voxfisa
380. org:Vox Perc
381. org:FarfPerc
382. org:BeatFreq
383. org:Meddle

Digital

357. dig:Harpskrd
384. dig:Grungy
385. dig:Asiatic
386. dig:Tangerin
387. dig:PPG Comp
388. dig:Delicate
389. dig:Digicord
390. dig:Combine
391. dig:AbleBass
392. dig:Patina
393. dig:Cutter

Pad

358. pad:Moog 55
394. pad:Pulsar
395. pad:PolyMoog
396. pad:ThinPuls
397. pad:Velo OBX
398. pad:OBX Saws
399. pad:AngelVox
400. pad:Fairlite
401. pad:Pluto
402. pad:Texture
403. pad:Steam

Mellotron

359. trn:MixChoir
404. trn:Flute 1
405. trn:Flute 2
406. trn:Flute 3
407. trn:Flute 4
408. trn:Choir 1
409. trn:Choir 2
410. trn:Choir 3
411. trn:Choir 4
412. trn:AirMen
413. trn:Sfrz Vox

Clocked

360. clk:Welcome
414. clk:Microbs
415. clk:BellRing
416. clk:Descend
417. clk:MKS 30
418. clk:Big S/H
419. clk:CrazyS/H
420. clk:DigiSlic
421. clk:Grandios
422. clk:MagiFlut
423. clk: Shimmer

Sweep

361. swp:Miracle
424. swp:Big Pan
425. swp:Emergent
426. swp:Bellhaus
427. swp:MistyPad
428. swp:Moogish
429. swp:Droner
430. swp:Exhale
431. swp:Warble
432. swp:OBX Port
433. swp:PanLink

Electric Bass

464. elb:FingrPop
465. elb:P-Funk
466. elb:Bright
467. elb:Dark
468. elb:8 String
469. elb:StikClen
470. elb:StikDist
471. elb:1 4Split
472. elb:2 4Split
473. elb:3 4Split

Guitar

474. gtr:Stik0>11
475. gtr:Hawaiian
476. gtr:Ricki 12
477. gtr:SurfBird
478. gtr:Strato
479. gtr:Twangly
480. gtr:El Sitar
481. gtr:Bendo
482. gtr:PedSteel
483. gtr:StikTreb

Drum

484. drm:TR808
485. drm:DR909
486. drm:Lazer
487. drm:SF KIT
488. drm:Acoustic
489. drm:TileRoom
490. drm:LargHall
491. drm:GateHous
492. drm:Poly 2/4
493. drm:Poly 1

Link

494. lnk:Organ 1
495. lnk:Organ 2
496. lnk:Organ 3
497. lnk:0>11
498. lnk:Clavlink
499. lnk:Booster1
500. lnk:Booster2
501. lnk:Booster3
502. lnk:HawiVerb
503. lnk:DXBoost1
504. lnk:DXBoost2
505. lnk:SfrzVox
506. lnk:Organ 4
507. lnk:Organ 5
508. lnk:Organ 6
509. lnk:Organ 7
510. lnk:Organ 8
511. —default--

WAVEFORMS & LOOPS

These are additional synthesizer waveforms and a good selection of sampled loops which can be used for sound effects or background rhythms.

250. Pulse 98
251. Pulse 96
252. Pulse 94
253. Pulse 90
254. Pulse 75
255. Pulse 50
256. Sync Wave 1
257. Sync Wave 2
258. Sync Wave 3
259. Sync Wave 4
260. Sync Wave 5
261. Multi Pulse
262. Multi Sync
263. Dr. Kick Wave
264. Cabasa Wave
265. Cow Wave
266. Rumble Fish
267. Tape Hiss 1
268. Tape Hiss 2
269. NoiseTrack1
270. NoiseTrack2
271. Drum Energy
272. Madness 1
273. Madness 2
274. Compressor
275. Tricorder
276. Transporter
277. Weird Noise
278. Frenzy Loop
279. Sci-Fi 1
280. Sci-Fi 2
281. Sci-Fi 3
282. Sci-Fi Loop
283. Sword A Loop
284. Sword B Loop
285. Sword C Loop
286. Sword Fight1 ..... Sword A & B loop
287. Sword Fight2 ..... Sword B & C loop
288. Sword Fight3 ..... Sword A - C loop
289. RezFX1 Loop
290. RezFX2 Loop
291. RezFX3 Loop
292. RezFX4 Loop
293. RezFX5 Loop
294. El Drum Loop
295. Jones Loop ..... (slightly > 1/s)
296. Ball Loop 1/s..... (1 repeat / sec)
297. Ball Loop 2/s ..... (2 repeats/ sec)
298. Ball Loop 3/s ..... (3 repeats / sec)
299. Ball Loop 4/s ..... (4 repeats / sec)
300. Ball Loop 5/s ..... (5 repeats / sec)
301. Lazer Loop 1
302. Lazer Loop 2
303. Lazer Duo
304. Tri Loop
305. Dr. Hat Loop
306. Rim Loop 1
307. Rim Loop 2
308. Dr. Snare Loop
309. Dr. Kick Loop
310. Crash Loop 1
311. Crash Loop 2

312. Ride Loop 1
313. Ride Loop 2
314. Cabasa Loop
315. Cabasave lp
316. Clave Loop 1
317. Clave Loop 2
318. Clap Loop 1
319. Clap Loop 2
320. Cowbeloop
321. Stick Loop 1
322. Stick Loop 2
323. TR Hat Loop
324. Cl Hat Loop
325. Tom Loop
326. TR Snare Lp
327. TR Kick Lp
328. Music Loop
329. Fwink Loop
330. Hit Loop

PERCUSSION INSTRUMENTS

These are assorted analog percussion samples from the TR-808, DR-55, and E.H. Clap FX, as well as analog synthesizer percussion sounds.

331. Hit String
332. Sword A
333. Sword B
334. Sword C
335. Rez FX 1
336. Rez FX 2
337. Rez FX 3
338. Rez FX 4
339. Rez FX 5
340. Verb Clap
341. Dub Claps
342. Space Claps
343. ElectroDrum
344. BBall Jones
345. Lazer Snare
346. Lazer Kick
347. Dr. Hat
348. Dr. Rim
349. Dr. Snare
350. Dr. Kick
351. TR CrashCym
352. TR RideCym
353. TR Cabasa
354. Cabasave
355. TR Clave
356. TR Claps
357. TR Cowbell
358. TR SideStik
359. TR Op Hat
360. TR Cl Hat
361. TR Tom
362. TR Snare
363. TR Kick
364. Musical Box
365. Fwink
366. Da Hits
367. SP1200 Gtrs
368. Special FX
369. Drum Kit 1
370. Drum Kit 2
371. Drum Kit 3
372. Drum Kit 4

See the **Percussion Instrument Diagrams** on the following pages.

GUITARS

373. Guitar Wave ..... Distorted Humbucker Guitar Wave
374. Electric Sitar ..... Jerry Jones Electric Sitar
375. Slap P-Bass ..... Fender Precision Bass, slapped string
376. Pop P-Bass ..... Fender Precision Bass, popped string
377. Stick/Clean ..... Chapman Stick, bass end only
378. Stick/DistB ..... Chapman Stick, distorted bass end
379. Stick/DistT ..... Chapman Stick, distorted treble end

••• *The Jerry Jones Electric Sitar is a re-issue of the famous Coral Electric Sitar.*

SYNTH

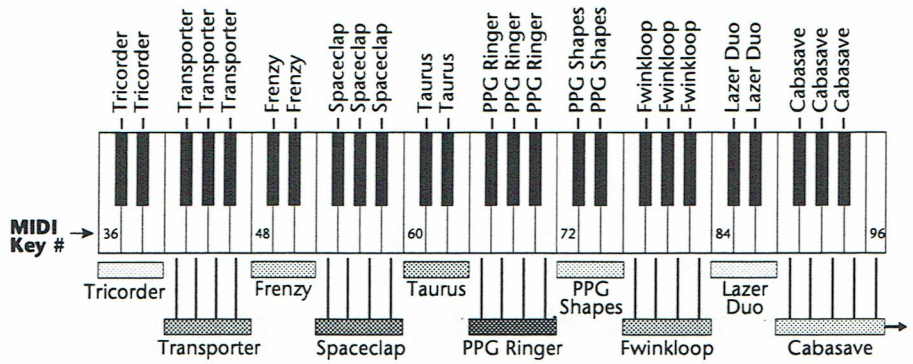
380. Moog Lead 1 ..... Mini-Moog lead patch
381. Moog Lead 2 ..... Mini-Moog lead patch
382. Moog Lead 3 ..... Mini-Moog lead patch
383. P5 Sync Lead 2 ..... Prophet-5 sync patch - very punchy
384. FM Blue Harp ..... Yamaha DX7 harmonica patch
385. FM Harpsi ..... Yamaha DX7 harpsichord patch
386. FM Pong ..... Yamaha DX7
387. JP8 12-String ..... JP8 Synthesizer, 12-string guitar sound
388. PPG Aylius ..... PPG Wave 2.2 Synthesizer
389. PPG Buzzy ..... PPG Wave 2.2 Synthesizer
390. PPG Ringer ..... PPG Wave 2.2 Synthesizer
391. PPG Zylo ..... PPG Wave 2.2 Synthesizer - xylophone patch
392. PPG Bang ..... PPG Wave 2.2 Synthesizer
393. PPG Merge ..... PPG Wave 2.2 Synthesizer
394. PPG Shapes ..... PPG Wave 2.2 Synthesizer
395. PPG Heavy ..... PPG Wave 2.2 Synthesizer
396. P5 Gong ..... Prophet-5, gong patch
397. P5 Tablura Prophet-5
398. D50 Pipes ..... Roland D50 Synthesizer pipe/calliope sound
399. ARP FiltRez ..... ARP 2600 with filter resonance
400. ARP SyncSwp ..... ARP 2600 with swept, synced oscillators
401. ARP SyncMod ..... ARP 2600 with VCO sync & filter FM
402. JP6 Filters ..... Jupiter 6 Analog Synthesizer, filter sweep
403. J1 Poly Syn ..... Juno 1 Analog Synthesizer
404. JP8 Pulse ..... Jupiter 8 Analog Synthesizer, pulse waves

SYNTH

405. P5 PulseMod ..... Prophet-5 with pulse width modulation
406. JX3P Chimes ..... JX3P Analog Synthesizer, chimes
407. Taurus 2 ..... Moog Taurus Bass Pedals
408. Taurus 3 ..... Moog Taurus Bass Pedals
409. Taurus 4 ..... Moog Taurus Bass Pedals
410. P5 Bass 1 ..... Prophet-5 bass patch
411. P5 Bass 2 ..... Prophet-5 bass patch
412. PPG Bass ..... PPG Wave 2.2 bass patch
413. J1 Seq Bass ..... Roland Juno 1 Synthesizer, bass patch
414. JX3P Brass ..... JX3P Synthesizer brass patch
415. Memry Brass ..... MemoryMoog brass patch
416. P5 Brass ..... Prophet-5 brass patch
417. OBX Strings ..... Oberheim OBX string patch
418. J1 Strings ..... Juno 1 Synthesizer, string patch
419. Memry Strng ..... MemoryMoog string patch

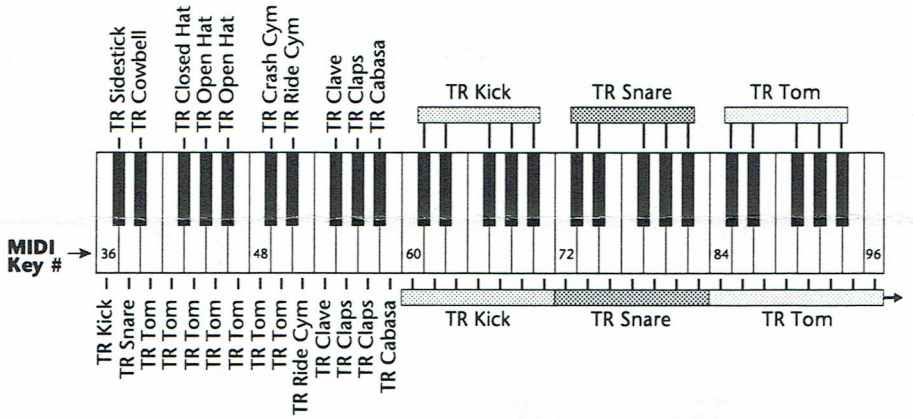
KEYBOARDS

420. Chamberlin ..... Chamberlin, taped-based keyboard instrument
421. Vox Jaguar ..... Vox Jaguar Combo Organ
422. Tight Clav ..... Hohner Clavinet (tight tuning)
423. Slack Clav ..... Hohner Clavinet (slack tuning)
424. Clavinet 2 ..... Hohner Clavinet
425. FM Dyno ..... DX7 Dyno Rhodes patch
426. FM Piano ..... DX7 piano patch
427. DynoRhodes3 ..... Dyno Fender Rhodes Electric Piano
428. MKI Hard ..... Fender Rhodes Mark I Electric Piano (hard hits)
429. MKI Soft ..... Fender Rhodes Mark I Electric Piano (soft hits)
430. KeyBass Hrd ..... Fender Rhodes Key Bass (hard hits)
431. KeyBass Sft ..... Fender Rhodes Key Bass (soft hits)
432. Tight Piano ..... Yamaha C3 Grand Piano (tight tuning)
433. Slack Piano ..... Yamaha C3 Grand Piano (slack tuning)
434. Grand Piano ..... Yamaha C3 Grand Piano



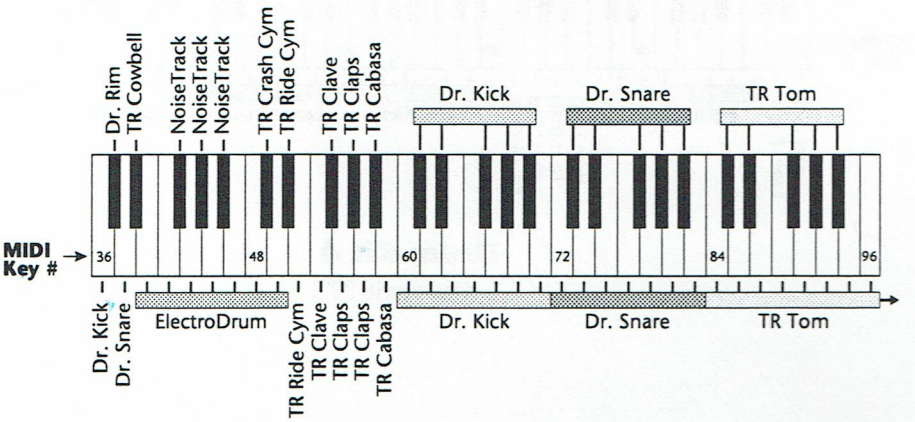
Special FX

Instrument 368



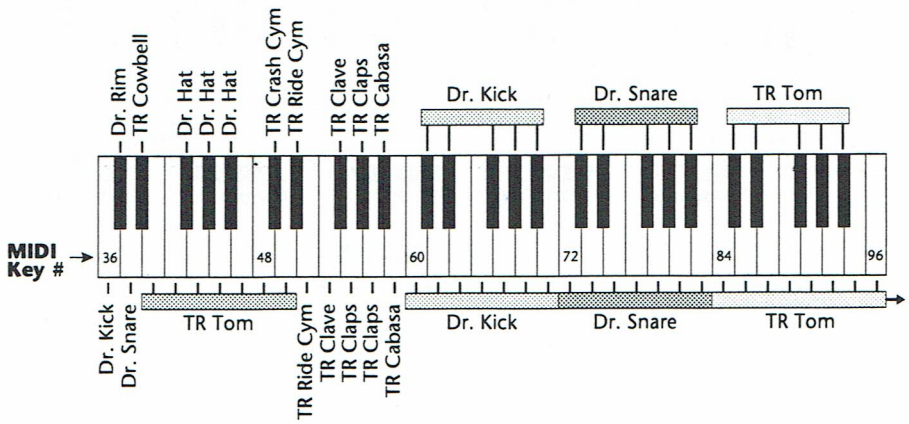
Drum Kit 1

Instrument 369

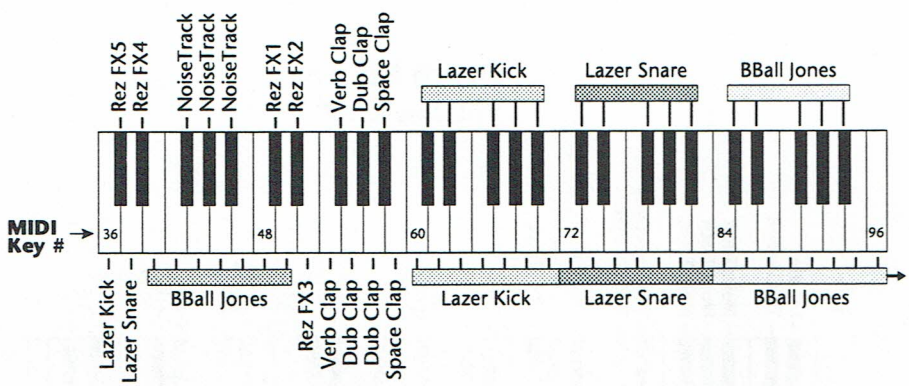


Drum Kit 2

Instrument 370



Drum Kit 3
Instrument 371



Drum Kit 4
Instrument 372

This kit upgrades a standard Vintage Keys unit with an additional 8 Megabytes of ROM samples for a grand total of 16 Megabytes. The upgrade also includes 256 new ROM presets and 256 new RAM presets. This kit is designed to be easily installed by almost anyone.

READ THIS FIRST!

The installation of this kit replaces ALL the presets in Vintage Keys, both RAM and ROM. If you wish to keep the old RAM or ROM presets you should BACK-UP these presets before installing the upgrade. If you do not have a way to back-up and restore the preset RAM (i.e. a computer with a MIDI interface), your local music dealer or service center can install the board for you, and restore your old presets.

Tools Needed: Phillips head screwdriver #1
IC Puller Tool (included)
Small pair of pliers

Kit 9055

Contents:

(1) Retrofit Instructions (Pages 1-14 = User Information)
(1) Instrument Expansion Board
(2) Vintage Firmware EPROMs (IP730 and IP731)
(1) IC Puller Tool

■ BACK UP PRESETS

Back up the RAM presets (000-255) in Vintage Keys if you want to keep them. All of the original Vintage Keys presets will be replaced as a result of the upgrade, so back-up any presets you want to keep.

• PC Computer Users - Use a librarian program designed for Vintage Keys or a MIDI sequencer capable of backing up SysEx data. See the instructions on the following page.

• Alesis DataDisk Users - Set up the Datadisk to Receive Mode and follow steps 2 - 4 on the following page.

• Macintosh Users - Use a librarian program designed for Vintage Keys such as Unisyn™ or Galaxy™ or a MIDI sequencer capable of backing up SysEx data. See the instructions on the following page.

••• Trademarks are the property of their respective companies.

Using a Sequencer for Preset Back-up

1) Connect Vintage Keys to the MIDI interface on your computer. Connect both the MIDI In and the MIDI Out. Most sequencers have a mode called "Echo Thru" or "Keyboard Thru" which allows your MIDI

keyboard to access both the sequencer and the sound modules. Make sure these special "Thru" modes are turned OFF when transferring SysEx data or problems may result. Set up your computer sequencer to receive MIDI SysEx data. This procedure will vary with the type of sequencer you own.

2) On the Vintage Keys, press the Master button and use the data entry control to find the "SEND MIDI DATA" screen. Move the cursor to the lower line and select "User Presets".

3) With your sequencer set up in Record SysEx Mode, press the Enter button and Vintage Keys will transfer the RAM (user) presets.

4) Verify (on your sequencer) that the data has been transferred.

5) To back up the factory ROM presets, repeat the above procedure substituting "Factory Presets" for "User Presets" in line four.

Also, if you have important Master Settings, Preset Maps or Tuning Tables, you may want to back these up using the same procedure outlined above.

■ GROUNDWORK

Before you begin, find a clean, well lit place in which to work.

UNPLUG THE AC CORD BEFORE WORKING ON VINTAGE KEYS

Because this procedure requires that you periodically "Ground" yourself, by touching a grounded object such as a water pipe or a grounded piece of equipment. A good location might be your kitchen counter somewhat near the sink and the grounded water faucet. Grounding yourself prevents the static charge in your body from damaging the sensitive memory chips in the Vintage Keys. When you are asked to "Ground" yourself, simply reach over and touch the metal on the water faucet. Do not walk across the room or across a rug, as this will defeat the purpose of grounding yourself.

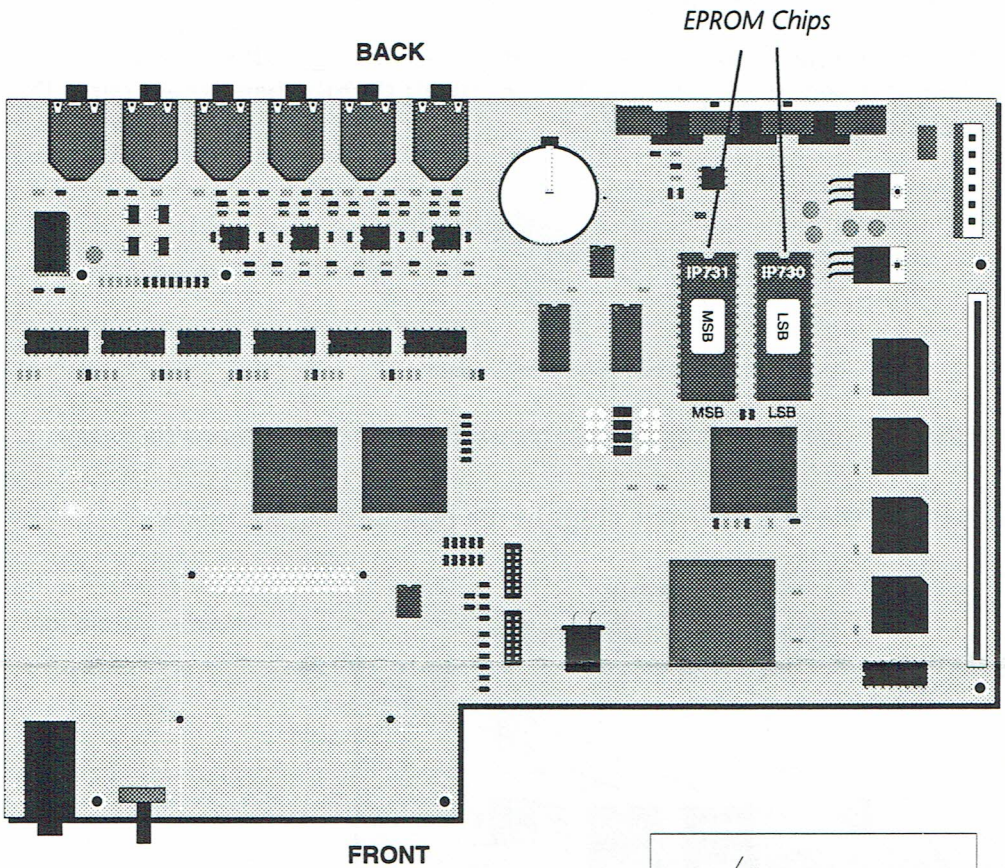
■ DISASSEMBLY

1) To gain access to the interior of Vintage Keys the top panel must first be removed. The top panel is attached to the main chassis by means of (7) screws (E-mu P/N HS446). There are three screws along the back of the unit and two on each side.

2) When the screws are removed, slide the metal top backwards and off the unit, exposing the main circuit board. Set the top cover aside in a safe place and put the screws into a cup so they will not get lost. *(Small screws have a nasty habit of running away and hiding in the most unlikely spots.)* The switching power supply is covered by a metal box. Do not remove this metal cover!

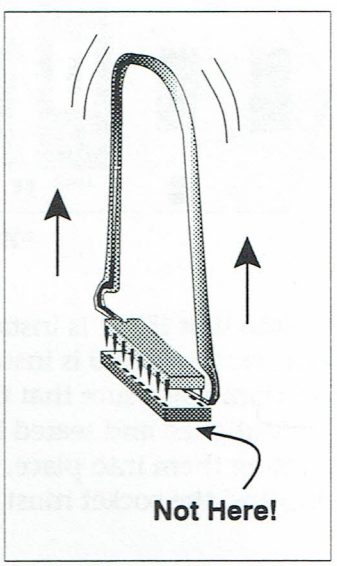
■ REMOVE THE OLD FIRMWARE

The firmware EPROMs contain the computer program that allows Vintage Keys to operate. The location of the two EPROM chips is shown below.



Remove the old firmware using the IC remover provided. Carefully hook the prongs of the remover beneath the chip. Next, grasp the remover and pull straight up while slightly rocking back and forth.

CAUTION: DO NOT hook the IC remover underneath the IC SOCKET instead of the IC itself or serious damage to the board could result. Be very careful during this stage of the upgrade.

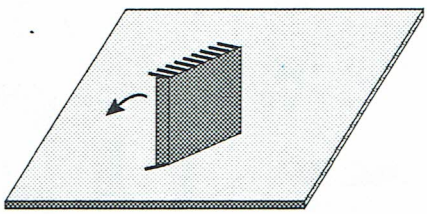


Grasp the IC remover firmly and pull up while gently rocking it back and forth

■ INSTALL THE NEW FIRMWARE

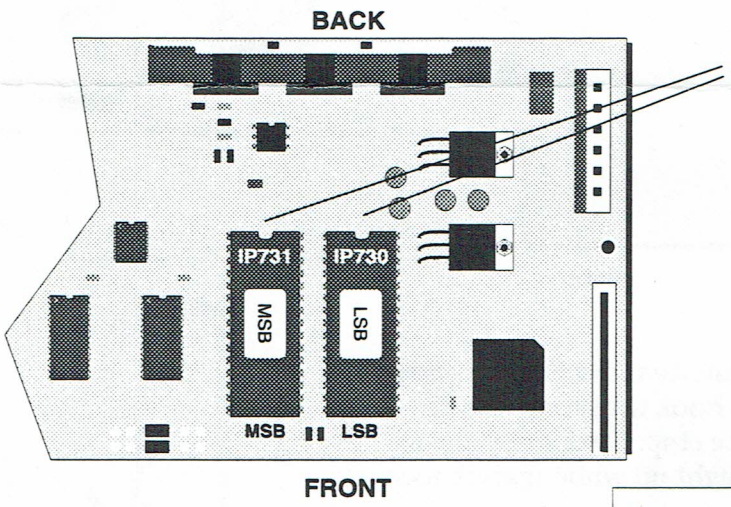
1) The new firmware chips are packaged in anti-static foam. Before removing these chips from the protective packaging, discharge the static from your body by touching a grounded object such as the kitchen faucet.

2) Examine the chips to make sure that the pins on each side point straight down. If the pins are flared outward slightly, bend them perfectly straight against the table top.

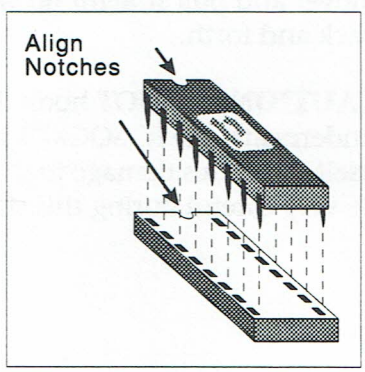


If the IC pins are not perfectly straight, carefully straighten them against a flat surface.

3) Install the new firmware chips in the positions shown below.



4) Note that IP731 is installed in the MSB location and IP730 is installed in the LSB location. Make sure that the pins are perfectly aligned and seated in the socket before pressing them into place. The notches on the chip and the socket must also be aligned.



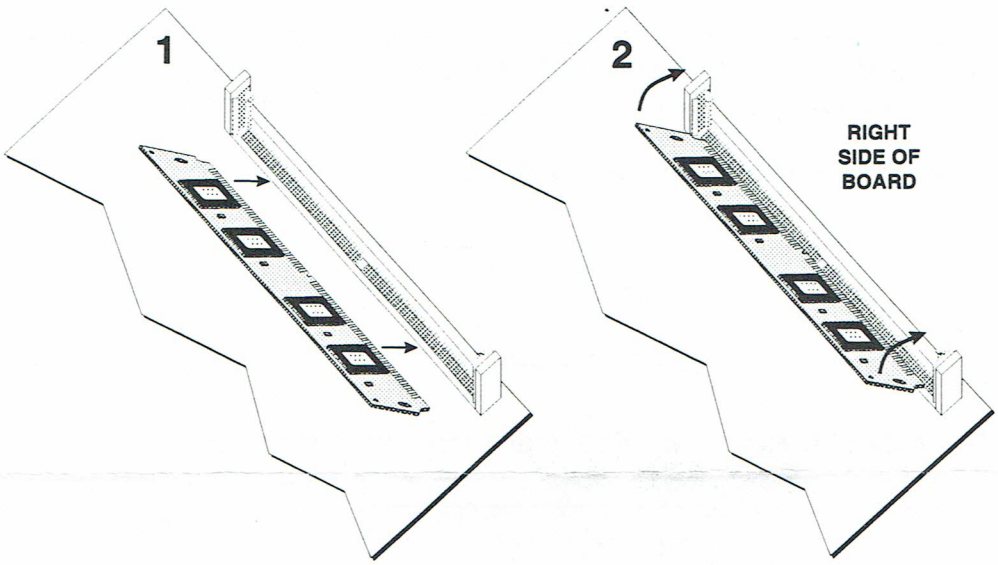
5) Carefully check to see that none of the IC pins are bent under. If so remove the chip and carefully straighten the bent pin, then reinstall.

■ INSTALL THE INSTRUMENT EXPANSION MODULE

1) The Instrument Expansion Module is literally a "snap" to install. Ground yourself again, by touching a grounded object, then carefully remove the expansion SIMM module from its protective bag.

••• *"SIMM" is an acronym for Single Inline Memory Module.*

2) Gently set the expansion board deep into the SIMM socket at a 45° angle. Without forcing the insertion, let the board rest in the socket **as deep as it will go**. It should face the edge of the main board. See diagram 1 below.



▼ *Make sure both sides of the SIMM board are correctly latched in place. Bend the little tabs on each side and tilt backwards to remove the board.*

3) While applying a slight downward pressure on the top of the expansion board to keep it from popping out of the socket, tilt the board into a vertical position. The board will make an audible click. See diagram 2.

■ TEST IT

At this point, the installation is almost finished. Before re-assembling the unit, plug in the power cord and turn on power to the Vintage Keys. If the display reads out normally, everything is probably OK.

If the display comes up with "boxes" instead of the normal readout, you have probably installed the firmware EPROMs incorrectly. **Disconnect power**, then carefully remove the firmware chips. You may find that a pin is bent under and not making contact. If so, use a pair of small pliers to straighten the pin and carefully re-install the chip. Make sure that the little notches at the ends of the chips are aligned with the notches on the IC socket. Garbled sounds indicate that the SIMM expansion module (above) was incorrectly installed - Try again. If all else fails, try the original ROM chips again or call E-mu Customer Service at (408) 438-1921. Telephone support hours are 8:00-5:00 PST, Monday through Friday.

■ REASSEMBLE THE UNIT

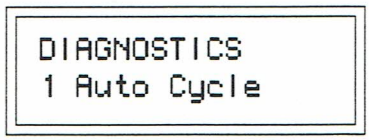
If everything is OK, reassemble the unit. Replace the top cover and the seven screws. The screws are all the same.

■ INITIALIZE

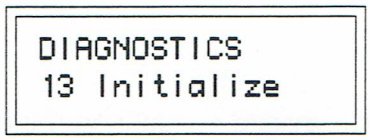
Vintage Keys must be **Initialized** after a software upgrade. This procedure erases all User Memory, and replaces it with the factory presets.

1) First, you must enter the hidden Diagnostics mode. To get to the secret Diagnostics menu: **Hold Master, Edit and either Cursor button down while powering-up the unit.** The diagnostic menu is invoked.

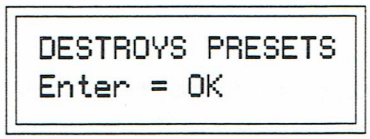
2) When in diagnostics mode, the display shows:



3) Use the data entry control to scroll to the very last screen.



4) Press Enter to Initialize and the display gives the warning:



5) Press Enter again to initialize. Cycle the power and verify that the RAM preset locations are filled with preset data.

6) Be careful if you run any of the other tests. The high output levels could damage your speakers.

7) The installation is now complete. Enjoy!

■ PRESET CONVERSION LIST

This list shows which presets from the old set correspond to presets in the new (Expander) set.

OLD PRESET	NEW PRESET
0. Hmnd B3 01	8. org:HmndGrit
2. Wurli 01	278. epo:Wurlitzr
6. Bass:Moog 01	315. bas:MinMoog1
7. Pad: Moog 55	431. swp:Warble
9. Hmnd B3 02	355. org:Full Rok
10. Hmnd B3 03	364. org:Lo & Mid
11 Hmnd B3 04	365. org:Lo & Hi
12. Hmnd B3 05	366. org:MostlyHi
13. Hmnd B3 06	367. org:Mid & Hi
14. Hmnd B3 07	368. org:LoPerc
15. Hmnd B3 08	369. org:LoMidPrc
16. Hmnd B3 09	370. org:LoHiPerc
17. Hmnd B3 10	371. org:FullPerc
18. Hmnd B3 11	372. org:HiPerc
30. Hard Pad 16	3. cmp:DxAngels
35. Hard Pad 01	33. cmp:BeloVox
39. Hard Pad 15	204. cmp:D50ish 2
49. TronStrng 02	295. str:SmalHall
50. Hard Pad 20	50. brs:Moog&ARP
51. TronFlute 01	404. trn:Flute 1
52. TronFlute 02	405. trn:Flute 2
53. TronFlute 03	406. trn:Flute 3
54. TronChoir 01	408. trn:Choir 1
55. TronChoir 02	409. trn:Choir 2
56. TronChoir 03	359. trn:MixChoir
64. CP Grand 07	16. apo:CPchorus
67. CP Grand 10	273. apo:CP/Tron
69. Bass:Moog 02	362. bas:MinMoog3
70. Bass:Moog 03	434. bas:MinMoog4
71. Bass:Moog 04	435. bas:MinMoog5
72. Bass:Moog 05	319. bas:MinMoog2
74. Bass:MicroMg	322. bas:MicroMoo
78. Bass:Arp2600	321. bas:ARP Rezo
79. Pad:MoogBras	306. brs:MemMoog
81. Pad:M12Strng	304. str:M12Strng
82. Pad:ArpStrng	303. str:ARPStrng
83. Pad:OBX Saws	398. pad:OBX Saws
84. Pad:Arp 2600	429. swp:Droner
86. Pad:Farlight	430. swp:Exhale
87. Pad: OB Port	432. swp:OBX Port
88. Pad:P5 Piper	141. pad:P5 Piper
95. Lead: SEM 01	450. led:SEM Wave
98. CoolLink 11b	178. sfx:107LinkA
99. CoolLink 11a	179. sfx:107LinkB
101. Soft Pad 01	310. brs:BrassPad
102. Hmnd B3 14	102. org:ChrchLdy
106. Misc Cool 01	344. tek:Vynlator
107. Swell FX 01	425. swp:Emergent
109. Hmnd B3 13	373. org:DarkPerc
123. Syn Bass 06	440. bas:Rez Body
131. Soft Pad 04	312. brs:EcoGlide
132. Soft Pad 05	298. str:Soft Syn
138. Soft Pad 11	399. pad:AngelVox
139. Hard Pad 02	17. apo:CP70/M12
140. Pad:PolyMoog	140. pad:PolyMoog
141. Hard Pad 04	454. cmp:Digalog1
143. Hard Pad 06	131. dig:RockMoog
146. Soft Pad 24	146. pad:Contnent
147. Hard Pad 10	455. cmp:Digalog2
149. Syn Lead 02	451. led:MoogPuls
151. Syn Lead 04	330. led:Moon Man
158. Misc Cool 06	158. pad:Mute Vox
159. Intrvl Ld 02	363. led:Moog3rds
160. CP Grand 18	271. apo:CP Mono
162. Clock FX 01	162. clk:Cliche
164. Clock FX 08	164. clk:Who&How
165. Intrvl Ld 08	328. led:OB Mod
166. Clock FX 11	166. clk:Fluty
170. Misc Cool 03	95. swp:MegaLink
172. Misc Cool 05	412. trn:AirMen
175. Swell FX 09	98. swp:MicroAir
176. Swell FX 10	99. swp:M12&Moog
177. Misc Cool 10	416. clk:Descend
178. Misc Cool 11	107. sfx:JustHuge
180. Swell FX 03	424. swp:Big Pan
181. Swell FX 04	97. swp:MoogSaws
184. Swell FX 07	361. swp:Miracle
185. Swell FX 08	460. cmp:Air Vox
189. Clock FX 02	419. clk:CrazyS/H
190. Clock FX 03	420. clk:DigiSlic
200. Toy Piano	200. cmp:ToyPiano
200. Drum Kit 01	488. drm:Acoustic
204. Hard Pad 04	37. cmp:VibeMoog
205. Drum Kit 06	490. drm:LargHall

OLD PRESET	NEW PRESET
208. Bass Gtr 01	466. elb:Bright
210. Bass Gtr 03	467. elb:Dark
212. Bass Gtr 05	468. elb:8 String
213. Elec Gtr 01	478. gtr:Strato
215. Elec Gtr 03	479. gtr:Twangly
220. Elec Gtr 02	220. gtr:Ricki 6
221. Elec Gtr 05	221. gtr:Echoplex
222. HiBarLink L	510. lnk:Organ 8
223. HiBarLink M	509. lnk:Organ 7
225. MidBarLink L	508. lnk:Organ 6
226. MidBarLink M	507. lnk:Organ 5
230. LoBarLink S	506. lnk:Organ 4
231. 2ndPercLinkL	496. lnk:Organ 3
234. 3rdPercLinkL	495. lnk:Organ 2
235. 3rdPercLinkM	494. lnk:Organ 1
239. Swell 3 Link	433. swp:PanLink
267. Hard Pad 13	15. apo:C3/M12
269. Drum Kit 14	489. drm:SmalRoom
270. Clock FX 13	421. clk:Grandios
273. Swell FX 13	100. swp:FiltSaws
279. TronFlute 04	407. trn:Flute 4
280. TronChoir 04	410. trn:Choir 3
281. Soft Pad 15	159. pad:Med Moog
289. Soft Pad 18	149. pad:Ye-ei-ei

OLD PRESET	NEW PRESET
292. Soft Pad 20	311. brs:Regality
293. Soft Pad 21	297. str:ThickSyn
304. Bass Gtr 06	212. elb:Picker
307. CP Grand 13	269. apo:CPChorus
309. Clock FX 14	422. clk:MagiFlut
311. Swell FX 14	354. sfx:Yes Sir
314. Syn Bass 15	339. tek:DirtyBas
325. Swell FX 16	349. sfx:Fly By
329. Hard Pad 18	456. cmp:Zylomoog
340. Hard Pad 19	290. cmp:OB-Moog
343. Soft Pad 27	463. cmp:Sub Dude
386. Bass Gtr 08	213. elb:Paul Mc
396. Clock FX 17	360. clk:Welcome
415. CP Grand 17	19. apo:Tack 70
416. CP Grand 01	270. apo:CPStereo
418. Hard Pad 24	291. cmp:RezMoog
420. Hard Pad 26	457. cmp:Al & Bob
425. Hard Pad 31	458. cmp:OB Sweep
428. Soft Pad 34	51. brs:OB Sweep
429. Soft Pad 35	52. brs:MoogBell
446. Syn Lead 22	331. led:Big Moog
452. TronChoir 06	411. trn:Choir 4
464. BGtr1 4Split	471. elb:1 4Split
465. BGtr2 4Split	472. elb:2 4Split
466. BGtr3 4Split	473. elb:3 4Split

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