

**Format\_Recognition-English**

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## Chapter 1

# Format\_Recognition-English

### 1.1 Pro-Wizard - How to recognize each format in memory/file ?

```
-- Introduction --  
  
Protracker normal!  
  
Heatseeker Packer  
  
KRIS Packer  
  
Xann Packer  
  
Promizer v1.0c  
  
Pha Packer  
  
Promizer v1.8a  
  
Noise Packer v1/2  
  
Promizer v2.0  
  
Noise Packer v3.0  
  
ProRunner v1.0  
  
Wanton Packer  
  
ProRunner v2.0  
  
UNIC Packer  
  
NoiseRunner  
  
Laxity Packer  
  
ProPacker v1.0  
  
SKYT Packer
```

---

---

ProPacker v2.1  
EUREKA Packer  
AC1D Packer  
Pygmy Projects  
Digital Illusions  
Channel Player v1  
Channel Player v2  
Channel Player v3  
Promizer v4.0  
ProPacker v3.0  
The Player v5.0a  
StarTrekker Packer  
The Player v6.0a  
Game Music Creator  
Module Protector  
Promizer v0.1  
FC-M Packer  
Soundtracker 2.6  
Ice-Tracker  
Fuzzac Packer  
Old-Kefrens Packer  
The Player v4.xx  
Tracker Packer 1  
Tracker Packer 2&3  
NoiseTracker Pak  
Polka Packer  
Power Music  
SoundTK Pro 3.0

---

```

Zen Packer

The Player v6.1a

Hornet Packer

```

## 1.2 \* Introduction \*

Each "model" is composed of an HEXDUMP of the given file...  
 You must know at least something about HEXADECIMAL values and so on...

Ok, at first, you must know the Protracker structure before all,  
 in order to be able to recognize some of its parts in a packed format.

So, just read the following...

Note : (Pro-Wizard 2 Update)

This file is no longer needed in fact, since Pro-Wizard-2 is able  
 to scan a file in its WHOLE length !

Indeed, this file is made to explain how to recognize a format  
 in memory in order to save it AT THE RIGHT BEGINNING..  
 But this was necessary in Pro-Wizard "1" versions ONLY !!  
 Now, no need to do so... you may save some bytes before and after  
 the module or even save all your CHIP-MEM in a file and load it  
 into PW-2 !

However, maybe you're a CRAZZZY ripper like me ;-))  
 then, this file will teach you some important informations  
 I guess....

## 1.3 \* Informations about Protracker format \*

First, for those who don't know how a Protracker module is made,  
 here are some explanations :

```

----- Hexa ----- Deci --- Comments -----
Mod + $000 (or + 000) : Module (Internal) Name      : 20 bytes
Mod + $014 (or + 020) : Sample_data : sample name   : 22 bytes
                        sample length : 2 bytes
                        finetune & volume : 2 bytes
                        repeat      : 2 bytes
                        replen      : 2 bytes
                        = 30 bytes for each sample !
                        multiplied by 31 samples, of course.

Mod + $3b6 (or + 950) : Number of positions in the tune (nb_pos).

```

```

Mod + $3b7 (or + 951) : Constant $7F !
Mod + $3b8 (or + 952) : Pattern table : 128 positions...
Mod + $438 (or +1080) : Constant "M.K.",
                        or "FLT4" for a Startrekker mod,
                        or "M&K!" for a Noisetracker mod.
Mod + $43c (or +1084) : Patterns start !

```

## 1.4 \* Format Heatseeker \*

```

*****
* ----- Heading model for << Heatseeker mcl.0 >> ----- *
* ----- *
* -- Provenance : Demo CRYPTOBURNERS "Party Time" (cool zoom !) -- *
*****

000: 0CA2000C 00090C99 09CA0028 090100C9 The sample_data at start
010: 08600008 02A005C0 38C4000F 38A8001C (length, vol, repeat, replen)
020: 02120020 00000001 0B5C001A 00000001 for the 31 samples...
030: 0A9D001A 00000001 08CA0030 00000001
040: 03EA0011 00000001 0FEF0013 00000001
050: 12F0000A 000112EF 00000000 00000001 There is no "M.K." mark
060: 00000000 00000001 00000000 00000001 as in a PTK module..
070: 00000000 00000001 00000000 00000001
080: 00000000 00000001 00000000 00000001
090: 00000000 00000001 00000000 00000001
0A0: 00000000 00000001 00000000 00000001
0B0: 00000000 00000001 00000000 00000001
0C0: 00000000 00000001 00000000 00000001
0D0: 00000000 00000001 00000000 00000001
0E0: 00000000 00000001 00000000 00000001
0F0: 00000000 00000001 1B7F0001 02030405 In $F8, the number of positions
100: 06070809 0A0B0A0C 0D0E0F10 11121314 the constant $7F,
110: 15161516 17000000 00000000 00000000 and the pattern numbers.
120: 00000000 00000000 00000000 00000000
130: 00000000 00000000 00000000 00000000
140: 00000000 00000000 00000000 00000000
150: 00000000 00000000 00000000 00000000
160: 00000000 00000000 00000000 00000000
170: 00000000 00000000 00000140 3C010000 In $17A, the patterns !
180: 0C010000 0C020000 0C030000 0C040000 as in PROTRACKER...
190: 0C050000 0C060000 0C070000 0C080000 except...
1A0: 0C090000 0C0A0000 0C0B0000 0C0C0000
1B0: 0C0D0000 0C0E0000 0C0F0000 0C0F0000
1C0: 0C0F0000 0C0E0000 0C0E0000 0C0D0000
1D0: 0C0D0000 0C0C0000 0C0C0000 0C0B0000
1E0: 0C0B0000 0C0A0000 0C0A0000 0C090000
1F0: 0C090000 0C080000 0C08021A 30000000
200: 0C020000 0C030000 0C040000 0C050000
210: 0C060000 0C070000 0C080000 0C090000
220: 0C0A0000 0C0B0000 0C0C0000 0C0D0000
230: 0C0E0000 0C0F0000 0C100000 0C110000
240: 0C110000 0C120000 0C120000 0C130000
250: 0C130000 0C140000 0C140000 0C150000
260: 0C150000 0C160000 0C160000 0C170000
270: 0C170000 0C180000 0C1801AC 1C038000 ...here ! for example, in $27e,

```



```

280: 00020000 0C058000 00020000 0C068000   you find $8000 + a value
290: 00020000 0C078000 0002021A 1C0A8000   It stands for the ammount of
2A0: 000E0168 10008000 001E0000 0E000000   blank lines to jump...
2B0: 0C000000 0C000000 0C000000 0C000000
2C0: 0C000000 0C000000 0C000000 0C000000
2D0: 0C000000 0C000000 0C000000 0C000000
2E0: 0C000000 0C000000 0C000194 3C000000
2F0: 0C010000 0C020000 0C030000 0C040000

```

## 1.5 \* Format XANN \*

```

*****
* ----- Heading model for << XANN Packer >> ----- *
* ----- *
* ----- Provenance : First DIGITAL "Lethal Exit" module ----- *
*****

```

```

000: 0000803C 0000703C 0000603C 0000343C   A rather strange format...
010: 0000383C 00003C3C 0000403C 0000403C
020: 0000443C 00007C3C 0000483C 0000583C
030: 0000A03C 0000A43C 0000A83C 00005C3C   Here, you find the pattern-
040: 0000783C 0000883C 0000CC3C 00005C3C   table, always multiple of $400
050: 0000783C 0000883C 00008C3C 0000AC3C   ($400 = 1024 bytes).
060: 0000B03C 0000B43C 0000643C 0000983C
070: 0000BC3C 0000C43C 0000B83C 00006C3C
080: 0000503C 00006C3C 0000503C 0000903C
090: 0000943C 0000C83C 00009C3C 0000543C
0A0: 0000683C 00004C3C 0000743C 0000843C
0B0: 0000C03C 0000D03C 0000DC3C 0000D43C
0C0: 0000D83C 00000000 00000000 00000000
0D0: 00000000 00000000 00000000 00000000
0E0: 00000000 00000000 00000000 00000000
0F0: 00000000 00000000 00000000 00000000
100: 00000000 00000000 00000000 00000000
110: 00000000 00000000 00000000 00000000
120: 00000000 00000000 00000000 00000000
130: 00000000 00000000 00000000 00000000
140: 00000000 00000000 00000000 00000000
150: 00000000 00000000 00000000 00000000
160: 00000000 00000000 00000000 00000000
170: 00000000 00000000 00000000 00000000
180: 00000000 00000000 00000000 00000000
190: 00000000 00000000 00000000 00000000
1A0: 00000000 00000000 00000000 00000000
1B0: 00000000 00000000 00000000 00000000
1C0: 00000000 00000000 00000000 00000000
1D0: 00000000 00000000 00000000 00000000
1E0: 00000000 00000000 00000000 00000000
1F0: 00000000 00000000 00000000 00000000
200: 00000000 00000040 0000E662 0C2F0000   In $206 start the sample-data
210: E03C0F42 00000040 0001114E 0A240000
220: FEC0136B 00000040 000136B0 0A3A0001
230: 259812C6 00000040 00014B24 00010001
240: 4B240A95 00000040 0001604E 00010001
250: 604E08BE 00000040 000171CC 09BE0001

```

```

260: 71CA09BF 00000040 00018A3E 04460001
270: 854806C1 00000040 000192CA 10230001
280: 92CA1023 00000040 0001B310 00010001
290: B3100176 00000040 0001B5FC 00010001
2A0: B5FC0689 00000040 0001C30E 00010001
2B0: C30E0892 00000040 0001D432 00010001
2C0: D4321645 00000040 000200BC 00010002
2D0: 00BC0BC1 00000040 0002183E 00010002
2E0: 183E05B0 00000040 0002239E 00010002
2F0: 239E0A74 00000040 00023886 00010002
300: 388603BF 00000040 00024004 00010002
310: 40040E9B 00000040 00027BA0 0C600002
320: 5D3A1B93 00000000 00029460 00010002
330: 94600000 00000040 0002A526 0E950002
340: 946016F8 00000000 0002C252 00010002
350: C2520000 00000000 0002C252 00010002
360: C2520000 00000000 0002C252 00010002
370: C2520000 00000000 0002C252 00010002
380: C2520000 00000000 0002C252 00010002
390: C2520000 00000000 0002C252 00010002
3A0: C2520000 00000000 0002C252 00010002
3B0: C2520000 00000000 0002C252 00010002
3C0: C2520000 00000000 0002C252 00010002
3D0: C2520000 00000000 0002C252 00010002
3E0: C2520000 00000000 0002C252 00010002
3F0: C2520000 00000000 00000000 00000000
400: 00000000 00000000 00000000 00000000
410: 00000000 00000000 00000000 00000000
420: 00000000 00000000 00000000 00000000
430: 00000000 00000000 00000000 58325800
440: 80445003 403A4840 A0224832 00000000
450: 00000000 00004800 00004800 58324820
460: 80440000 00004840 00004834 00000000
470: 00000000 00004800 00004800 58324810
480: 88440000 00004840 00004836 00000000
490: 00000000 00004800 00004800 58324808
4A0: 80440000 00004840 00004838 00000000
4B0: 00000000 00004800 00004800 58324804
4C0: 80440000 00004840 0000483A 00000000
4D0: 00000000 00004800 00004800 58324802
4E0: 80440000 00004840 0000483C 00000000
4F0: 00000000 00004800 00004800 68024800

```

And in \$43c, as in a normal PTK  
the patterns start but they're  
packed of course !

An example : the often used \$48  
stands for the "C" command  
(volume) !

## 1.6 \* Format Pha-Packer \*

```

*****
* ----- Heading model for << Pha Packer >> ----- *
* ----- Provenance : Melon Deizgn "Bomb" tune ----- *
*****

000: 00007400 00000001 000003C0 000006FB   In mod+8, you must find
010: 00400000 00010000 03C00000 00007400   the longword $000003C0.
020: 00000001 000011B6 000007EC 00300000
030: 00010000 11B60000 3BEC7940 00000001

```

```
040: 0000218E 00003B26 06400000 00010000 The sample data...
050: 99660000 0ACE6F33 00000001 00010FB2
060: 00000976 00330000 00010001 254E0000
070: 0B7B6540 00000001 0001383A 00000B62
080: 74400000 00010001 4F300000 36000040
090: 00000001 000165F4 00000000 00000000
0A0: 00010001 D1F40000 3BB97340 00000001
0B0: 0001D1F4 000008E8 72400000 00010002
0C0: 49660000 00000000 00000001 00025B36
0D0: 00000000 00000000 00010002 5B360000
0E0: 03850040 00000001 00025B36 00003D6E
0F0: 00400000 00010002 62400000 08A40040
100: 00000001 0002DD1C 00000858 00400000
110: 00010002 EE640000 01ED0B40 00000001
120: 0002FF14 00001204 00400000 00010003
130: 02EE0000 00000000 00000001 000326F6
140: 00003A72 00400000 00010003 26F60000
150: 00000000 00000001 00039BDA 00000E1A
160: 00400000 00010003 9BDA0000 00000000
170: 00000001 0003B80E 00000000 00000000
180: 00010003 B80E0000 00000000 00000001
190: 0003B80E 00000000 00000000 00010003
1A0: B80E0000 00000000 00000001 0003B80E * 31 samples, it ends there.
1B0: 0000000C 00440019 0301000C 429A0000
1C0: 0003B80C 0003B9D4 0003D440 0003C822 Here starts the pattern table
1D0: 0003B952 0003BCA0 0003BDEC 0003BF80 (absolute addresses !)
1E0: 0003C6C8 0003C562 0003C37E 0003CC94
1F0: 0003D590 0003D590 0003D590 0003D590
200: 0003D406 0003D590 0003D590 0003D590
210: 0003D590 0003D590 0003B80C 0003B80C
220: 0003B80C 0003B80C 0003B80C 0003B80C
230: 0003B80C 0003B80C 0003B80C 0003B80C
240: 0003B80C 0003B80C 0003B80C 0003B80C
250: 0003B80C 0003B80C 0003B80C 0003B80C
260: 0003B80C 0003B80C 0003B80C 0003B80C
270: 0003B80C 0003B80C 0003B80C 0003B80C
280: 0003B80C 0003B80C 0003B80C 0003B80C
290: 0003B80C 0003B80C 0003B80C 0003B80C
2A0: 0003B80C 0003B80C 0003B80C 0003B80C
2B0: 0003B80C 0003B80C 0003B80C 0003B80C
2C0: 0003B80C 0003B80C 0003B80C 0003B80C
2D0: 0003B80C 0003B80C 0003B80C 0003B80C
2E0: 0003B80C 0003B80C 0003B80C 0003B80C
2F0: 0003B80C 0003B80C 0003B80C 0003B80C
300: 0003B80C 0003B80C 0003B80C 0003B80C
310: 0003B80C 0003B80C 0003B80C 0003B80C
320: 0003B80C 0003B80C 0003B80C 0003B80C
330: 0003B80C 0003B80C 0003B80C 0003B80C
340: 0003B80C 0003B80C 0003B80C 0003B80C
350: 0003B80C 0003B80C 0003B80C 0003B80C
360: 0003B80C 0003B80C 0003B80C 0003B80C
370: 0003B80C 0003B80C 0003B80C 0003B80C
380: 0003B80C 0003B80C 0003B80C 0003B80C
390: 0003B80C 0003B80C 0003B80C 0003B80C
3A0: 0003B80C 0003B80C 0003B80C 0003B80C
3B0: 0003B80C 0003B80C 0003B80C 0003B80C
3C0: 00000000 FCF7F0EB E7E6E7EB F0F7FE06 Then come the samples !
```

```

3D0: 0D151B21 25292B2D 2C2C2B29 26221F1B   Yes, before the patterns !!
3E0: 1714100D 0A0502FD FAF5F2EF ECE9E7E4   Smart Azatoth/Pha ! ;)
3F0: E2E0DEDC DBDCDBDA DADBDBDB DCDCDDDE
400: DFE0E0E1 E2E4E5E6 E7E9EBEC EEF0F2F4
410: F6F8FAFC FE000204 06080A0B 0D0E1011
420: 11121314 13141515 15161616 16161617
430: 17181718 1818191A 1A1A1A1B 1B1B1C1C
440: 1B1B1B1A 19191817 17151413 12121110
450: 0F0D0C0B 0A080706 06050404 02020202
460: 000000FE FDFDFCFB FBFAF9F8 F8F8F7F7
470: F7F6F6F6 F4F3F2F1 F0F0EFEE EEEDECEC
    
```

### 1.7 \* Format NoisePacker v2 \*

```

*****
* ----- Heading model for << NoisePacker1&2 >> ----- *
* ----- *
* ----- Provenance : Crystal Symphonies I "Gateway" ----- *
*****

000: 00FC003A 00E84800 00005E1E 23110026   Must start with 0xxC
010: 00007EAC 12CA1047 0000A440 20E60040   xx = number of samples
020: 0000CC64 0CD41412 0000E60C 0AB80030
030: 0000F0B6 05630555 0000FB7C 03DD0020
040: 0000FB7C 00010000 00010336 0E4D0030
050: 00010EF0 087005DD 00011FD0 0A730040
060: 00012078 0A1F0054 000134B6 0A9F0010
070: 00013574 0A40005F 000149F4 09400010
080: 00014AA6 08E70059 00015C74 0E710010
090: 0001611E 0C1C0255 00017956 09040010   The sample data...
0A0: 00017A06 08AC0058 00018B5E 09E40040
0B0: 00018C4C 096D0077 00019F26 09580040
0C0: 00019FDA 08FE005A 0001B1D6 08040040
0D0: 0001B276 07B40050 0001C1DE 081E0040
0E0: 0001C28A 07C80056 0001D21A 07ED0040
0F0: 0001D3AA 072500C8 003A0000 00080000
100: 00100028 00200018 00600068 00900048
110: 00500070 00580078 00800088 00300038
120: 00400098 00A000A8 00B000B8 00C000C8
130: 00D000D8 00E00240 018000C0 00000540
140: 048003C0 03000840 078006C0 06000600
150: 0A8009C0 09000D80 0CC00C00 0B401080
160: 0FC00F00 0E401380 12C01200 11401680
170: 15C01500 14401980 18C01800 17401C80
    
```

### 1.8 \* Format NoisePacker v3 \*

```

*****
* ----- Heading model for << NoisePacker3 >> ----- *
* ----- *
* ----- Provenance : Andromeda MIRROR "Interceptia" ----- *
*****
    
```

```

000: 017C0034 00A81E84 00300000 255C0892   Quasi identical to NoisePacker2
010: 0000255C 00010000 003A0000 36800C53   except an inversion in the
020: 00003680 00010000 00400000 4F260787   volume/length values...
030: 000057C6 03370450 003A0000 5E3409FF
040: 00005E34 00010000 002A0000 72320E7F
050: 00007232 00010000 00300000 8F300F4C
060: 00009652 0BBB0391 002A0000 ADC81684
070: 0000ADC8 00010000 00400000 DAD00954
080: 0000DAD0 00010000 00300000 ED78083B
090: 0000ED78 00010000 003A0000 FDEE10D4
0A0: 0000FDEE 00010000 00250001 1F9608D0
0B0: 00011F96 00010000 00200001 313602F7
0C0: 00013136 00010000 00250001 37240A82
0D0: 00013A50 08EC0196 00250001 4C280ED6
0E0: 00014E92 0DA10135 00250001 69D40D12
0F0: 000170C8 0998037A 00250001 83F80D09
100: 000186FE 0B860183 00300001 9E0A0A5D
110: 00019E0A 00010000 00300001 B2C40C1A
120: 0001B2C4 00010000 00300001 CAF80DDE
130: 0001CAF8 00010000 00300001 E6B405A6
140: 0001E6B4 00010000 003A0001 F200098A
150: 0001F200 00010000 00300002 05141C90
160: 00020514 00010000 002A0002 3E341257
170: 00025A34 04570E00 00340000 00000020
180: 00080010 00180010 00280030 00380030

```

## 1.9 \* Format Wanton \*

```

*****
* ----- Heading model for << Wanton Packer >> ----- *
* ----- *
* ----- Provenance : FINLANDIA Music-disk "Lucid Dreams" ----- *
*****

```

Same as Protracker till this address :

In - mod+\$438 - there is no "M.K." but "WN" + 00 + a byte standing for the number of used patterns.

Then, the patterns are packed like this :

example in \$43c, the longword 14 08 0C 00 :

```

      | | | |
      note | | value 00 (thus Volume = 00)
          | |
          sample effect (here Volume)

```

```

430: 00000000 00000000 574E0015 14080C00   .....WN.....
440: 00000F06 2C040C01 14050C00 00000EA1   ....,.....j
450: 00000000 00000000 00000EA1 00000EA1   .....j...j
460: 3A040C02 00000000 00000EA2 00000EA1   :.....ç...j
470: 00000000 00000000 00000EA1 00000EA1   .....j...j

```

## 1.10 \* Format UNIC Tracker \*

```
*****
* ----- Heading model for << UNIC Tracker >> ----- *
* ----- *
* ---- Provenance : SLL's tune in KEFRENS "Egregious" Demo ---- *
*****
```

The UNIC format is very similar to Protracker...

At least in the heading... same length : 1084 bytes.  
Even the "M.K." is present, sometimes !!

Maybe to disturb the rippers.. hehe but Pro-Wizard doesn't test this only!

```
000: 74616B65 2D6E6F2D 66616220 62792073   take-no-fab by s
010: 2E6C2E6C 736F2E2E 2E202020 20202020   .l.lso...
020: 20202020 20202020 000003C0 00400000   ...À.@..
030: 00012020 20202020 20202020 20202020   ..
040: 20202020 20200000 03C40040 00000001   ...Ä.@....
050: 77686F20 646F2079 6F752074 68696E6B   who do you think
060: 20796F75 0000035B 00400000 00016172   you...[.@....ar
070: 652C2073 696E6365 20796F75 20746869   e, since you thi
080: 6E6B0000 03A20040 00000001 796F7520   nk...ç.@....you
090: 63616E20 73746561 6C207468 69732020   can steal this
0A0: 000003A2 00400000 0001736F 756E6474   ...ç.@....soundt
0B0: 7261636B 3F213F21 20202020 20200000   rack?!?! ..
0C0: 03A00040 00000001 20202020 20202020   .~.@....
0D0: 20202020 20202020 20202020 00000392   ....
0E0: 00400000 00017765 6C6C2C20 7468656E   .@....well, then
0F0: 2069276C 6C206265 20200000 038D0040   i'll be .....@
100: 00000001 706C6561 73656420 746F2074   ...pleased to t
110: 656C6C20 796F752C 000003AC 00400000   ell you,...\ensuremath{\lnot}.@..
120: 00017468 61742074 68697320 6D6F6475   ..that this modu
130: 6C652077 61730000 03580040 00000001   le was...X.@....
140: 77726974 74656E20 696E206C 61786974   written in laxit
150: 79277320 000003BB 00400000 00017472   y's ...».@....tr
160: 61636B65 722C2077 68696368 20706163   acker, which pac
170: 6B730000 03CE0040 00000001 74686520   ks...Î.@....the
180: 6D6F6475 6C65732C 20736F20 74686579   modules, so they
190: 0000039A 00400000 00016361 6E277420   .....@....can't
1A0: 62652070 6C617965 6420696E 20200000   be played in ..
1B0: 03B10040 00000001 616E7920 6F746865   .\ensuremath{\pm}.@....any othe
1C0: 72207472 61636B65 72732121 000003BC   r trackers!!...¼
1D0: 00400000 00012020 20202020 20202020   .@....
1E0: 20202020 20202020 20200000 01310040   ...1.@
1F0: 00000001 616E7977 61792C20 68617665   ....anyway, have
200: 2061206E 69636520 00000A2E 00400000   a nice .....@..
210: 00016461 79202121 21202020 20202020   ..day !!!
220: 20202020 20200000 0DA70040 00000001   ...$.@....
230: 20202020 20202020 20202020 20202020
240: 20202020 000013F3 00400000 00016772   ...ó.@....gr
250: 65657469 6E677320 66726F6D 20796F75   eetings from you
260: 72730000 145D0040 00000001 20202020   rs...].@....
270: 20202020 20202020 20202020 20202020
```

```

280: 000013FA 00400000 00012020 20202020 ...ú.@....
290: 6C617869 74792F6B 65667265 6E730000 laxity/kefrens..
2A0: 14430040 00000001 20202020 20202020 .C.@....
2B0: 20202020 20202020 20202020 00000B3E ...>
2C0: 00400000 0001432D 54542E48 49484154 .@....C-TT.HIHAT
2D0: 32000000 00000000 00000000 059D0040 2.....@
2E0: 00000001 432D5454 2E434C41 50310000 ....C-TT.CLAP1..
2F0: 00000000 00000000 00000681 003A0000 .....:..
300: 0001432D 54542E53 4D41434B 31000000 ..C-TT.SMACK1...
310: 00000000 00000000 00750040 00000001 .....u.@....
320: 67617262 2D737472 696E6731 61000000 garb-stringla...
330: 00000000 00000AC3 003D004E 0A756761 .....Ã.=.N.uga
340: 72622D73 7472696E 67316300 00000000 rb-stringlc.....
350: 00000000 0DA7003D 00BD0CEA 6D696E69 .....$.=½.êmini
360: 6D320000 00000000 00000000 00000000 m2.....
370: 0000177D 003D0000 00017465 63686E6F ...}.=...techno
380: 74726F6E 69632D62 61737364 72750000 tronic-bassdru..
390: 08E70040 00000001 6C656167 75652D73 .ç.@....league-s
3A0: 6E617265 6472756D 31000000 000008E7 naredruml.....ç
3B0: 00400000 00012100 0001020A 0B0C0404 .@....!.....
3C0: 08080506 07030404 0808050B 0D0E0F10 .....
3D0: 10111212 13141515 16000000 00000000 .....
3E0: 00000000 00000000 00000000 00000000 .....
3F0: 00000000 00000000 00000000 00000000 .....
400: 00000000 00000000 00000000 00000000 .....
410: 00000000 00000000 00000000 00000000 .....
420: 00000000 00000000 00000000 00000000 .....
430: 00000000 00000000 4D2E4B2E 1210005D .....M.K....]
440: 2F075EE0 005B6C30 12200000 04A50000 /.^à.[10. ...$\yen$.
450: 00000000 1230005D 2C040000 00000000 .....0.],.....
460: 1240005D 2C0A5EEC 205B6C20 0000005D .@.],.^i [1 ...]
470: 20000000 00000000 104C1000 04A55EEC
480: 10000000 124C205D 2C045EEC 055B6C0A
490: 0000005D 10000000 00000000 104C055D

```

## 1.11 \* Format Laxity \*

```

*****
* ----- Heading model for << Laxity Tracker >> ----- *
* ----- Provenance : Kefrens "Dane" Demo ----- *
*****

```

This format is VERY VERY similar to UNIC (and to Protracker) !!

Except that the module name is no longer present....

And, no "M.K." mark either...

```

000: 62792074 68652063 6F617374 20776173 by the coast was
010: 20646F6E 000008D9 00400000 00016279 don...Û.@....by
020: 206D6165 7374726F 2F616E61 72636879 maestro/anarchy
030: 20390000 05DF0040 00000001 00000000 9...ß.@.....

```

```

040: 00000000 00000000 00000000 00000000 .....
050: 00000B4A 00200000 00010000 00000000 ...J. ....
060: 00000000 00000000 00000000 00000000 .....
070: 0E050018 040205CF 00000000 00000000 .....ï.....
080: 00000000 00000000 00000000 000006D4 .....Ô
090: 00200000 00010000 00000000 00000000 . ....
0A0: 00000000 00000000 00000000 09BE0020 .....¾.
0B0: 00000001 00000000 00000000 00000000 .....
0C0: 00000000 00000000 00000AED 00200000 .....í. ..
0D0: 00010000 00000000 00000000 00000000 .....
0E0: 00000000 00000000 0AD60030 00000001 .....Ö.0....
0F0: 00000000 00000000 00000000 00000000 .....
100: 00000000 00000AF9 00300000 00010000 .....ù.0.....
110: 00000000 00000000 00000000 00000000 .....
120: 00000000 0B380030 00000001 00000000 .....8.0.....
130: 00000000 00000000 00000000 00000000 .....
140: 00000D1A 00300000 00010000 00000000 .....0.....
150: 00000000 00000000 00000000 00000000 .....
160: 0F130020 00000001 00000000 00000000 ... ..
170: 00000000 00000000 00000000 000009F8 .....ø
180: 00200000 00010000 00000000 00000000 . ....
190: 00000000 00000000 00000000 132B0040 .....+.@
1A0: 00000001 00000000 00000000 00000000 .....
1B0: 00000000 00000000 0000089F 00400000 .....@..
1C0: 00010000 00000000 00000000 00000000 .....
1D0: 00000000 00000000 12860040 00000001 .....@.....
1E0: 00000000 00000000 00000000 00000000 .....
1F0: 00000000 0000137D 00400000 00010000 .....}.@.....
200: 00000000 00000000 00000000 00000000 .....
210: 00000000 0FE30020 00000001 00000000 .....ã. ....
220: 00000000 00000000 00000000 00000000 .....
230: 000010AF 00200000 00010000 00000000 ...- . ....
240: 00000000 00000000 00000000 00000000 .....
250: 11AA0040 00000001 00000000 00000000 .^.@.....
260: 00000000 00000000 00000000 00001085 .....
270: 0016057C 05690000 00000000 00000000 ...|.i.....
280: 00000000 00000000 00000000 15850040 .....@
290: 00000001 00000000 00000000 00000000 .....
2A0: 00000000 00000000 00000811 003B0000 .....;...
2B0: 00010000 00000000 00000000 00000000 .....
2C0: 00000000 00000000 06DF0030 00000001 .....B.0....
2D0: 00000000 00000000 00000000 00000000 .....
2E0: 00000000 00000BAF 00200000 00010000 .....- . ....
2F0: 00000000 00000000 00000000 00000000 .....
300: 00000000 00000000 00000001 00000000 .....
310: 00000000 00000000 00000000 00000000 .....
320: 00000C3A 00400000 00010000 00000000 ...:.@.....
330: 00000000 00000000 00000000 00000000 .....
340: 0BC50040 00000001 00000000 00000000 .Å.@.....
350: 00000000 00000000 00000000 00000000 .....
360: 00000000 00010000 00000000 00000000 .....
370: 00000000 00000000 00000000 00000000 .....
380: 00000001 00000000 00000000 00000000 .....
390: 00000000 00000000 00000000 00000000 .....
3A0: 00011400 08090001 02030504 06070A0B Here in $3a2, nb_pos !
3B0: 0C0D0C0E 0F101112 00000000 00000000 Without the $7F constant...
3C0: 00000000 00000000 00000000 00000000 Then the pattern table

```



```

3D0: 00000000 00000000 00000000 00000000
3E0: 00000000 00000000 00000000 00000000
3F0: 00000000 00000000 00000000 00000000
400: 00000000 00000000 00000000 00000000
410: 00000000 00000000 00000000 00000000
420: 00000000 1E200010 800022E0 00000000
430: 00000000 0A010000 00000000 1E100000
440: 0A010000 00000000 00000000 0A010000
450: 00000000 1E100000 0A0124F0 00000000
460: 00000000 0A010000 00000000 60400010
470: 8C2024F0 00000000 00000000 0A010000

```

And here, in \$424,  
the notes start...  
Same format as UNIC...

## 1.12 \* Format SKYT \*

```

*****
* ----- Heading model for << SKYT Packer >> ----- *
* ----- *
* ----- Provenance : DRIFTERS Diskmag "Pros It" ----- *
*****

000: 0A4C002B 02AF079D 00000000 00000000 Same heading as many formats..
010: 04BB0040 00000000 00000000 00000000
020: 08730040 00000000 0AE0002F 00000000 Length, Volume, Repeat, Replen
030: 0C3D0034 00000000 0195001B 00000000 for the 31 samples...
040: 0B920036 03F107A1 10FD0035 021F0EDE
050: 09CE0035 00000000 0A610035 0827023A In $100, the "SKYT" mark !
060: 0B490030 009B0AAE 0C89002F 01130B76
070: 04A50040 01BC02E9 19C80039 14560572
080: 00000000 00000000 00000000 00000000
090: 00000000 00000000 00000000 00000000
0A0: 00000000 00000000 00000000 00000000
0B0: 00000000 00000000 00000000 00000000
0C0: 00000000 00000000 00000000 00000000
0D0: 00000000 00000000 00000000 00000000
0E0: 00000000 00000000 00000000 00000000 ****
0F0: 00000000 00000000 00000000 00000000
100: 534B5954 28002F00 30003100 32002500 SKYT(. /.0.1.2.%.
110: 26002700 28002900 2A002B00 28002C00 &.'.(.)*.+(.,.
120: 2D002E00 28003A00 3B003C00 3D002500 -...(:.;.<.=.%.
130: 33003400 28003500 36003700 28002C00 3.4.(.5.6.7.(.,.
140: 38003900 28002500 33003400 28003500 8.9.(.%.3.4.(.5.
150: 36003700 28002000 21003800 22001C00 6.7.(. .!.8."...

```

## 1.13 \* Format KRIS \*

```

*****
* ----- Heading model for << KRIS Tracker >> ----- *
* ----- *
* ----- Provenance : Dentre ANARCHY zik by 4mat of course ----- *
*****

```

A rather Protracker-similar heading...

```
000: 44454E54 524F0000 00000000 00000000 DENTRO.....
010: 00000000 00004259 2034204D 41540000 .....BY 4 MAT..
020: 00000000 00000000 00000000 00000000 .....
030: 00000001 01000000 00000000 00000000 .....
040: 00000000 00000000 000018B2 00280000 .....$^2$. (...
050: 00010100 00000000 00000000 00000000 .....
060: 00000000 00000000 1326002D 129809DA .....&.-...Ú
070: 01000000 00000000 00000000 00000000 .....
080: 00000000 00000FB2 002D0C4A 098D0100 .....$^2$.-.J....
090: 00000000 00000000 00000000 00000000 .....
0A0: 00000000 06C10028 00000001 01000000 .....Á. (...
0B0: 00000000 00000000 00000000 00000000 .....
0C0: 000004F5 00400000 00010100 00000000 ...õ.ê.....
0D0: 00000000 00000000 00000000 00000000 .....
0E0: 07030028 00000001 01000000 00000000 ... (...
0F0: 00000000 00000000 00000000 000003E1 .....á
100: 00400000 00010100 00000000 00000000 .ê.....
110: 00000000 00000000 00000000 01780040 .....x.ê
120: 00000001 01000000 00000000 00000000 .....
130: 00000000 00000000 0000018B 00100000 .....
140: 00010100 00000000 00000000 00000000 .....
150: 00000000 00000000 02EC0040 00000001 .....ì.ê....
160: 01000000 00000000 00000000 00000000 .....
170: 00000000 00000000 00000000 00010100 .....
180: 00000000 00000000 00000000 00000000 .....
190: 00000000 00000000 00000001 01000000 .....
1A0: 00000000 00000000 00000000 00000000 .....
1B0: 00000000 00000000 00010100 00000000 .....
1C0: 00000000 00000000 00000000 00000000 .....
1D0: 00000000 00000001 01000000 00000000 .....
1E0: 00000000 00000000 00000000 00000000 .....
1F0: 00000000 00010100 00000000 00000000 .....
200: 00000000 00000000 00000000 00000000 .....
210: 00000001 01000000 00000000 00000000 .....
220: 00000000 00000000 00000000 00000000 .....
230: 00010100 00000000 00000000 00000000 .....
240: 00000000 00000000 00000000 00000001 .....
250: 01000000 00000000 00000000 00000000 .....
260: 00000000 00000000 00000000 00010100 .....
270: 00000000 00000000 00000000 00000000 .....
280: 00000000 00000000 00000001 01000000 .....
290: 00000000 00000000 00000000 00000000 .....
2A0: 00000000 00000000 00010100 00000000 .....
2B0: 00000000 00000000 00000000 00000000 .....
2C0: 00000000 00000001 01000000 00000000 .....
2D0: 00000000 00000000 00000000 00000000 .....
2E0: 00000000 00010100 00000000 00000000 .....
2F0: 00000000 00000000 00000000 00000000 .....
300: 00000001 01000000 00000000 00000000 .....
310: 00000000 00000000 00000000 00000000 .....
320: 00010100 00000000 00000000 00000000 .....
330: 00000000 00000000 00000000 00000001 .....
340: 01000000 00000000 00000000 00000000 .....
350: 00000000 00000000 00000000 00010100 .....
```

```

360: 00000000 00000000 00000000 00000000 .....
370: 00000000 00000000 00000001 01000000 .....
380: 00000000 00000000 00000000 00000000 .....
390: 00000000 00000000 00010100 00000000 .....
3A0: 00000000 00000000 00000000 00000000 .....
3B0: 00000000 00000001 4B524953 1A000000 .....KRIS....
3C0: 01000200 03000000 01000200 03000400 .....
3D0: 01000200 03000400 05000200 06000400 .....
3E0: 08000B00 0C000400 08000D00 0C000400 In $3B8, you must find "KRIS"
3F0: 08000B00 0C000400 08000D00 0C000700 .....
400: 08000900 0A000700 08000E00 0A000700 .....
410: 08000900 0A000700 08000E00 0A000400 .....
420: 08000B00 0C000400 08000D00 0C000400 .....
430: 08000B00 0C000400 08000D00 0C000400 .....
440: 01000200 0F000400 01000200 0F000400 .....
450: 01000200 0C001000 11000200 12000700 .....
460: 08001400 0A000700 08001500 0A000700 .....
470: 08001600 17000700 08001600 17000400 .....
480: 08001300 0C001800 19001A00 1B000000 .....
490: 01000200 03000000 01000200 03000000 .....
4A0: 01000200 03000000 01000200 03000000 .....
4B0: 01000200 03000000 01000200 03000000 .....
4C0: 01000200 03000000 01000200 03000000 .....
4D0: 01000200 03000000 01000200 03000000 .....
4E0: 01000200 03000000 01000200 03000000 .....
4F0: 01000200 03000000 01000200 03000000 .....

```

....break....

```

780: 01000200 03000000 01000200 03000000 .....
790: 01000200 03000000 01000200 03000000 .....
7A0: 01000200 03000000 01000200 03000000 .....
7B0: 01000200 03000000 01000200 03000000 .....
7C0: A8000F03 A8000000 A8000000 A8000000 Here, at $7C0 start the
7D0: A8000000 A8000000 A8000000 A8000000 patterns, packed of course...
7E0: A8000000 A8000000 A8000000 A8000000 .....
7F0: A8000000 A8000000 A8000000 A8000000 .....
800: A8000000 A8000000 A8000000 A8000000 $A8 = no note !
810: A8000000 A8000000 A8000000 A8000000 You can recognize the F03...
820: A8000000 A8000000 A8000000 A8000000 .....
830: A8000000 A8000000 A8000000 A8000000 .....
840: A8000000 A8000000 A8000000 A8000000 .....

```

### 1.14 \* Format Promizer 1.0c & 1.8a \*

```

*****
* ----- Heading model for << Promizer 1.0c >> ----- *
*                                     and Promizer 1.8a                                     *
* ----- *
* ----- Provenance : Any Test-Module ----- *
*****

000: 60386000 00A06000 013E6000 010C48E7 The modules start with some
010: 80C043FA 0FCE7003 20C943E9 003051C8 coding instructions...
020: FFF843FA 10FC20C9 43FA10F5 20C943FA (The playroutine is included)

```

```

030: 0B3220C9 4CDF0301 4E7548E7 FFFE41FA
040: 111C4A00 661843FA 036845FA 111447FA
050: FFEA6100 03762778 007810F4 600443FA   Pro-Wizard will recognize
060: 03002089 43FA10FE 41E90008 20116704   Promizer 1.0c from 1.8a itself.
070: D3C060F8 584945FA 102A721E 70003010

```

### 1.15 \* Format Promizer v2.0 \*

```

*****
* ----- Heading model for << Promizer v2.0 >> ----- *
* ----- *
* ----- Provenance : Any Test-Module ----- *
*****

000: 60000016 60000140 600000F0 3F00103A   Again some coding at start..
010: 143966FA 301F4E75 48E77FFE 41FA1430
020: 47FA0D8C 177C0040 069B4A01 6704422B
030: 069B4A2B 069A6644 4A40660A 43FA0570
040: 2749068C 60360C40 00016616 43FA0460   Always 6000001660000140 at the
050: 2749068C 43FA13DC 49F80068 22CC22D4   beginning...
060: 601A0C40 000266D4 43FA0360 2749068C
070: 43FA13C0 49F80068 22CC22D4 177C0001

```

### 1.16 \* Format ProRunner v1.0 \*

```

*****
* ----- Heading model for << ProRunner 1.0 >> ----- *
* ----- *
* ---- Provenance : SILENTS "Something .....makes me sick" ---- *
*****

```

As Wanton, this format is very similar to Protracker...  
Same heading till \$438, where you must see "SNT."

Then come the patterns packed like this :

```

example 05 14 0C 04
         | | | |
sample  | | effect value
         | |
         note effect (or commande)

430: 00000000 00000000 534E542E 00000E01   .....SNT.....
440: 00000F05 05140C04 01010C00 05140C02   .....
450: 01010C00 00140C01 00000000 00140C01   .....
460: 00000000 00160C06 00000000 00160C03   .....
470: 00000000 00140C02 00000000 00140C02   .....

```

### 1.17 \* Format ProRunner v2.0 \*

```

*****
* ----- Heading model for << ProRunner 2.0 >> ----- *
* -----
* ----- Provenance : SANITY "Interference" ----- *
*****

000: 534E5421 00005030 137D0040 05E50D98      SNT!..P0.}.@.å..
010: 09570F3F 023B071C 05910040 02B802D3
020: 04CB0040 00000001 04FE0040 00000001
030: 08CF0040 00000001 04A20040 00000001      "SNT!" at start...
040: 018D0040 0133005A 03190340 00000001
050: 18E10140 00000001 04FF0040 00000001
060: 09AC003D 098C0020 03A20040 00000001      Then, the sample_data..
070: 057D0240 03A901CA 0C670040 00000C5B
080: 0AB70040 00000AB6 0A3E0040 00000A3E
090: 0B410140 00000001 15430040 00000001
0A0: 00400040 00000040 00400040 00000040
0B0: 00400040 00000040 00400040 00000040
0C0: 00000000 00000001 00000000 00000001
0D0: 00000000 00000001 00000000 00000001
0E0: 00000000 00000001 00000000 00000001
0F0: 00000000 00000001 07170040 00000717
100: 377F1D00 1F01221C 03020405 06070809      At $100, nb_pos, constant and
110: 0A0D0C0B 0A0D0F0E 1A151617 18192319      the pattern numbers...
120: 1B1E1C03 02040506 2008090A 0D0C0B0A
130: 0D0F0E12 10111314 21000000 00000000
140: 00000000 00000000 00000000 00000000
150: 00000000 00000000 00000000 00000000
160: 00000000 00000000 00000000 00000000
170: 00000000 00000000 00000000 00000000
180: 00000000 00000000 00000000 00000000
190: 00000000 00000000 00000000 00000000
1A0: 00000000 00000000 00000000 00000000
1B0: 00000000 00000000 00000000 00000000
1C0: 00000000 00000000 00000000 00000000
1D0: 00000000 00000000 00000000 00000000
1E0: 00000000 00000000 00000000 00000000
1F0: 00000000 00000000 00000000 00000000
200: 00000000 00000000 00000000 00000000
210: 00000000 00000000 00000000 00000000
220: 00000000 00000000 00000000 00000000
230: 00000000 00000000 00000000 00000000
240: 00000000 00000000 00000000 00000000
250: 00000000 00000000 00000000 00000000
260: 00000000 00000000 00000000 00000000
270: 00000000 00000000 00000000 00000000
280: 00000000 01B802D6 04F60716 09460BB6      At $282, the pattern table
290: 0E281092 130A152C 1764198C 1BCC1DF8      (offsets)
2A0: 1FF8223C 24CE2748 293E2BCC 2E3A2FF4
2B0: 3196343C 36BA3912 3AF23D42 3F94419C
2C0: 435244B6 472848C2 4AE40000 00000000
2D0: 00000000 00000000 00000000 00000000
2E0: 00000000 00000000 00000000 00000000
2F0: 00000000 00000000 00000000 00000000
300: 00000B0C 010B0C01 000F1C00 0A01000A      In $302, the packed notes...
310: 10000E14 000A01C0 C0000A10 C0C0C0C0

```

```

320: C0C0C0C0 000F0C15 5C08C000 0A01231C
330: 04235C0C C0146C04 311C0825 5C10C022
340: 6C06331C 0C2D5C08 C0246C07 3B1C0415
350: 5C08C02C 6C09231C 041F5C08 C0146C09
360: 2D1C0223 5C05C01E 6C08311C 022D5C05
370: C0226C06 3B1C0115 5C05C02C 6C04231C
380: 012D7C02 C0146C02 000A0F00 0A10C000
390: 0F1F80C0 000F0324 59208080 80808080
3A0: 80000A08 808080C0 80808024 59108080
3B0: 80808080 80000A08 808080C0 80808024
3C0: 59088080 80808080 80000A08 808080C0
3D0: 80801E30 00245000 2D748232 20008080
3E0: 00060080 0B091080 00048420 4C408080
3F0: 00022080 8080245C 20384000 80808025

```

## 1.18 \* Format NoiseRunner \*

```

*****
* ----- Heading model for << NoiseRunner >> ----- *
* ----- *
* ----- Provenance : SANITY "World of Commodore 92" ----- *
*****

```

In fact, this format couldn't have been included in PW...  
 Just because, when the demo is loading, the module is a Protracker !  
 Then, before starting, a routine packs the module....

So, on A500 with a Action Replay cartridge, you may interrupt the demo  
 JUST BEFORE the module is packed.... but it's rather delicate...

Anyway, I've included it, so just ripp AFTER the demo ;-)

You can find such modules in :

- JESTERDAY music-disk loading-tune (mod.dazzler),
- World of Commodore '92
- Arte (in which finetunes are used ! argh I had to modify my routine..)

	Start Address	Repeat	Addr	
Volume	Length	Replen		
000:	00400000	C9A01428	0000C9A0	00016965
010:	00400000	F1F00E00	0000F1F0	00012073
020:	00400001	0DF004B8	00010DF0	00010000
030:	00400001	17600328	00011760	0001616E
040:	00400001	1DB0070F	00012882	01A60001
050:	00400001	2BCE0F70	000138CA	08F26279
060:	00300001	4AAE0448	00014AAE	00016578
070:	00400001	533E1368	000163B8	0B2B2F70
080:	00400001	7A0E1378	00018ABE	0B207220
090:	00300001	A0FE0437	0001A2C4	03546963
0A0:	00400001	A96C5501	0001C19E	48E86520
0B0:	00400002	536E0228	0002536E	00017300

Here you'll find the finetunes OR  
 / as here, some strange bytes  
 / coming from the original PTK mod  
 (sample\_texts not erased)

A part of the heading is  
 modified thus... and replaced  
 by this !

```

0C0: 00400002 57BE14C8 000257BE 00016C6B
0D0: 00400002 814E0F29 00028B36 0A350448
0E0: 00400002 9FA00480 00029FA0 00016965
0F0: 00350002 A8A01288 0002CD32 003F0040
100: 00000002 CDB00000 0002CDB0 00017420
110: 00000002 CDB00000 0002CDB0 00010858
120: 00000002 CDB00000 0002CDB0 00017320
130: 00000002 CDB00000 0002CDB0 00010354
140: 00000002 CDB00000 0002CDB0 00013134
150: 00000002 CDB00000 0002CDB0 00010000
160: 00000002 CDB00000 0002CDB0 00010000
170: 00000002 CDB00000 0002CDB0 00010000
180: 00000002 CDB00000 0002CDB0 00010000
190: 00000002 CDB00000 0002CDB0 00010000
1A0: 00000002 CDB00000 0002CDB0 00010000
1B0: 00000002 CDB00000 0002CDB0 00010000
1C0: 00000002 CDB00000 0002CDB0 00010480
1D0: 00000002 CDB00000 0002CDB0 00010000
1E0: 00000002 CDB00000 0002CDB0 00010035
1F0: 1249003F 00000000 00000000 00000000    There, the unchanged part...
200: 00000000 00000000 00000000 00000000    .
210: 00010000 00000000 00000000 00000000    .
220: 00000000 00000000 00000000 00000001    .
230: 00000000 00000000 00000000 00000000    .
240: 00000000 00000000 00000000 00010000
250: 00000000 00000000 00000000 00000000
260: 00000000 00000000 00000001 00000000
270: 00000000 00000000 00000000 00000000
280: 00000000 00000000 00010000 00000000
290: 00000000 00000000 00000000 00000000
2A0: 00000000 00000001 00000000 00000000
2B0: 00000000 00000000 00000000 00000000
2C0: 00000000 00010000 00000000 00000000
2D0: 00000000 00000000 00000000 00000000
2E0: 00000001 00000000 00000000 00000000
2F0: 00000000 00000000 00000000 00000000
300: 00010000 00000000 00000000 00000000
310: 00000000 00000000 00000000 00000001
320: 00000000 00000000 00000000 00000000
330: 00000000 00000000 00000000 00010000
340: 00000000 00000000 00000000 00000000
350: 00000000 00000000 00000001 00000000
360: 00000000 00000000 00000000 00000000
370: 00000000 00000000 00010000 00000000
380: 00000000 00000000 00000000 00000000
390: 00000000 00000001 28632920 766F6C6B    .....(c) volk --> Hello
3A0: 65722074 72697070 20313939 32000000    er tripp 1992...      Jester
3B0: 00000000 00011F7F 02000001 01030410    .....                !!
3C0: 05060708 05060708 11120D0E 0D0E090A    .....
3D0: 0B0C0506 07081300 00000000 00000000    Pattern table.....
3E0: 00000000 00000000 00000000 00000000    .....
3F0: 00000000 00000000 00000000 00000000    .....
400: 00000000 00000000 00000000 00000000    .....
410: 00000000 00000000 00000000 00000000    .....
420: 00000000 00000000 00000000 00000000    Et le  "M.K." !
430: 00000000 00000000 4D2E4B2E 0C003818    .....M.K...8.
440: 30100000 0C003228 280F2058 30143820    0.....2((. X0.8   The notes

```

```

450: 280F3870 30100000 280C0058 0C003860 (.8p0...(..X..8` are
460: 280F0070 0C003228 280F0058 30143820 (..p..2(..X0.8 packed
470: 280F0070 30100000 280C0058 0C003818 (..p0...(..X..8. of course !
480: 0C003808 0C003228 280F0058 30143820 ..8...2(..X0.8
490: 0C000000 10C20000 280C0058 0C003860 .....Ã..(..X..8`
4A0: 0C000000 10C30000 280F0058 30143820 .....Ã..(..X0.8
4B0: 28003870 0C003228 280C0058 0C003818 (.8p..2(..X..8.
4C0: 280F0070 30100000 280F0058 30143820 (..p0...(..X0.8
4D0: 280F3870 0C003228 280C0058 0C003860 (.8p..2(..X..8`
4E0: 28050070 30100000 280F0058 30143820 (..p0...(..X0.8
4F0: 280F0070 0C003228 280C0058 0C003818 (..p..2(..X..8.

```

## 1.19 \* Format ProPacker v1.0 \*

```

*****
* ----- Heading model for << ProPacker 1.0 >> ----- *
* ----- *
* ----- Provenance : DAI Music-Disk "SoulMan" ----- *
*****

000: 5B370D40 00000001 5B0D0D40 00000001 Again the sample_data at start
010: 0B5B0D40 00000001 0B530D40 00000001 No specifik mark..
020: 0B8A0D40 00000001 07330D40 00000001
030: 04970D40 00000001 07240D40 00000001
040: 32780D20 00000001 10380040 00000001
050: 0DE70040 00000001 0D610D24 05EC0749
060: 371B0040 00000001 00000000 00000001
070: 00000000 00000001 00000000 00000001
080: 00000000 00000001 00000000 00000001
090: 00000000 00000001 00000000 00000001
0A0: 00000000 00000001 00000000 00000001
0B0: 00000000 00000001 00000000 00000001
0C0: 00000000 00000001 00000000 00000001
0D0: 00000000 00000001 00000000 00000001
0E0: 00000000 00000001 00000000 00000001
0F0: 00000000 00000001 0D7F0203 03000000 As Heatseeker, in $F8
100: 00000000 01040400 00000000 00000000 you find nb_pos, constant $7F
110: 00000000 00000000 00000000 00000000 and the played patterns...
120: 00000000 00000000 00000000 00000000
130: 00000000 00000000 00000000 00000000 In fact not, not the patterns
140: 00000000 00000000 00000000 00000000 but the 4 tracks of each patt.
150: 00000000 00000000 00000000 00000000
160: 00000000 00000000 00000000 00000000
170: 00000000 00000000 00000707 08050505
180: 05020605 05050500 00000000 00000000
190: 00000000 00000000 00000000 00000000
1A0: 00000000 00000000 00000000 00000000
1B0: 00000000 00000000 00000000 00000000
1C0: 00000000 00000000 00000000 00000000
1D0: 00000000 00000000 00000000 00000000
1E0: 00000000 00000000 00000000 00000000
1F0: 00000000 00000000 00000202 07090A0B
200: 0C090D02 0E0F1000 00000000 00000000
210: 00000000 00000000 00000000 00000000
220: 00000000 00000000 00000000 00000000

```



```

230: 00000000 00000000 00000000 00000000
240: 00000000 00000000 00000000 00000000
250: 00000000 00000000 00000000 00000000
260: 00000000 00000000 00000000 00000000
270: 00000000 00000000 00000202 02110212
280: 02131413 15160200 00000000 00000000
290: 00000000 00000000 00000000 00000000
2A0: 00000000 00000000 00000000 00000000
2B0: 00000000 00000000 00000000 00000000
2C0: 00000000 00000000 00000000 00000000
2D0: 00000000 00000000 00000000 00000000
2E0: 00000000 00000000 00000000 00000000
2F0: 00000000 00000000 000000BE 1F040000 Here in $2FA, start the notes
300: 00000000 00000000 00000000 00000000 (real notes as in PTK).
310: 00000000 00000000 00000000 00000000
320: 00000000 00000000 00000000 00000000
330: 00000000 00000000 00000000 00000000
340: 00000000 00000000 00000000 00000000
350: 00000000 00000000 00000000 00000000
360: 00000000 00000000 00000000 00000000
370: 00000000 00000000 000000BE 20000000
380: 00000000 00000000 00000000 00000000

```

## 1.20 \* Formats ProPacker v2.1 & v3.0 \*

```

*****
* ----- Heading model for << ProPacker 2.1 >> ----- *
* ----- and << ProPacker 3.0 >> ----- *
* ----- Provenance : DRD "From France" Demo ----- *
*****

000: 15B70030 00000001 03B10040 00000001 Same heading as PP10
010: 05200040 00000001 05200040 00000001
020: 05200040 00000001 05200040 00000001 Always the sample_data...
030: 05200040 00000001 0F540040 00000001
040: 0B180040 00000001 13DE0D40 0FDE0400
050: 0A050040 00000001 0B060040 00000001
060: 0E750040 00000001 00000000 00000001
070: 00000000 00000001 0DC60030 00000001
080: 0CB10040 00000001 14AA0040 00000001
090: 0DE20040 068E0754 06F20040 0358039A
0A0: 00000000 00000001 00000000 00000001
0B0: 00000000 00000001 00000000 00000001
0C0: 00000000 00000001 00000000 00000001
0D0: 00000000 00000001 00000000 00000001
0E0: 00000000 00000001 00000000 00000001
0F0: 00000000 00000001 177F0202 04000001 The pattern tracks...
100: 05030000 01010202 00000106 00000101
110: 02000000 00000000 00000000 00000000
120: 00000000 00000000 00000000 00000000
130: 00000000 00000000 00000000 00000000
140: 00000000 00000000 00000000 00000000
150: 00000000 00000000 00000000 00000000
160: 00000000 00000000 00000000 00000000
170: 00000000 00000000 0000090B 0C070D08

```

```

180: 0E0A0707 08080B0F 070D0808 07070808
190: 10070707 07070707 07070707 07070707
1A0: 07070707 07070707 07070707 07070707
1B0: 07070707 07070707 07070707 07070707
1C0: 07070707 07070707 07070707 07070707
1D0: 07070707 07070707 07070707 07070707
1E0: 07070707 07070707 07070707 07070707
1F0: 07070707 07070707 07071416 17181913
200: 1B151211 13131A1C 1819131E 12111313
210: 1D111111 11111111 11111111 11111111
220: 11111111 11111111 11111111 11111111
230: 11111111 11111111 11111111 11111111
240: 11111111 11111111 11111111 11111111
250: 11111111 11111111 11111111 11111111
260: 11111111 11111111 11111111 11111111
270: 11111111 11111111 11112224 25262728
280: 2A23201F 212B292C 2627282E 201F212B
290: 2D1F1F1F 1F1F1F1F 1F1F1F1F 1F1F1F1F
2A0: 1F1F1F1F 1F1F1F1F 1F1F1F1F 1F1F1F1F
2B0: 1F1F1F1F 1F1F1F1F 1F1F1F1F 1F1F1F1F
2C0: 1F1F1F1F 1F1F1F1F 1F1F1F1F 1F1F1F1F
2D0: 1F1F1F1F 1F1F1F1F 1F1F1F1F 1F1F1F1F
2E0: 1F1F1F1F 1F1F1F1F 1F1F1F1F 1F1F1F1F
2F0: 1F1F1F1F 1F1F1F1F 1F1F0000 00010002
300: 00030004 00010002 00050001 00050001
310: 00030006 00030002 00050001 00070008
320: 00090006 00090008 00070001 00070001
330: 00090006 00090008 00070000 00010002
340: 00030004 00010002 00050001 00050001
350: 00030004 00030002 0005000A 00070008
360: 0009000B 00090008 00070001 00070001
370: 0008000B 00090001 00070000 00010002

```

Here's the changing ! In \$2FA  
no REAL notes anymore.. but  
the note numbers !  
As in Promizer...

In a ProPacker 2.1 module, these numbers are multiple of 1,  
whereas in a PP30 module, they are multiple of 4 !

## 1.21 \* Format Eureka-Packer \*

```

*****
* ----- Heading model for << EUREKA Packer >> ----- *
* ----- *
* ----- Provenance : Dentro ? Demo ? Intro ? from SILENTS ----- *
*****

```

Strictly identical to Protracker (for the heading).

Except that the constants (\$7F & "M.K.") have disappeared...

The value in - mod+\$43A - is the offset to reach the samples !

```

3B0: 00400000 00013A00 16171819 1A1B1D03      .@.....:.....
3C0: 04050607 00010209 0A0B0B20 210E0F10      ..... !...
3D0: 0C0D1E1F 22232325 26272832 252F2908      ...."##%&' (2%/).
3E0: 12292A2E 2D2C2C31 312B3024 15141311      .)*.-,11+0$.

```

3F0:	1B1C0000	00000000	00000000	00000000	.....
400:	00000000	00000000	00000000	00000000	.....
410:	00000000	00000000	00000000	00000000	.....
420:	00000000	00000000	00000000	00000000	.....
430:	00000000	00000000	000046C8	063C06AD	.....FÈ.<.
440:	06F60753	07890806	084B08BC	08F20973	.ö.S.....K.¼.ò.s
450:	09BC0A30	0A660AAB	0AEF0B87	0C0B0C3A	.¼.0.f.«.ï.....:
460:	0C780CB2	0CE80D43	0DA90E1E	0E9B0EDE	.x.\$^2\$.è.C.©.....P
470:	0F360FA3	10171042	107010A3	10D1115F	.6.£...B.p.£.Ñ._
480:	11BD124E	125E12D9	135413C8	13FE1481	.½.N.^.Û.T.È.p..
490:	151215A0	16011681	1721179E	17D41865	...~.....!...Ô.e
4A0:	18C7193B	19711A0C	1A531AD8	1B0E1B92	.Ç.;.q...S.Ø....
4B0:	1BFF1C78	1CAE1D33	1D821DFB	1E311EB4	...x.®.3...û.1.´
4C0:	1F071F87	1FBD200D	2010205E	20772105	.....½ . . ^ w!.
4D0:	215B21EC	21FC224B	224C22A2	22C22315	![!ï!ü"K"L"ç"Â#.
4E0:	2316237D	238D2403	2404243B	244B249B	#.#}#.\$.\$.\$;\$K\$.
4F0:	249E24FB	24FC254C	254F259D	259E25EE	\$. \$û\$ü%L%O%.%.%î
500:	25F1263F	26402690	269326E1	26E22732	%ñ&?&@&.&.&á&â'2
510:	27352783	278427D4	27D72825	28262892	'5'.'.'Ô'\$\times\$(%(&(.
520:	28982900	29012951	297729C5	29C629CE	(.) .) .) Q) w) Å) Æ) Î
530:	29D229D6	29D72A47	2A502ABB	2AE22B6E	) ò) Ò) \$ \times \$ * G * P * » * â + n
540:	2C0E2C8B	2CC12D4E	2DB02E41	2E792F08	, , , , , Á - N - \textdegree { } . A . y / .
550:	2F4F2FA1	2FFB307B	310D319A	31AB3222	/O/; /û0{1.1.1«2"
560:	32233278	32973310	337B3409	34193490	2#2x2.3.3{4.4.4.
570:	3506358E	359E362B	367B370B	371B37A9	5.5.5.6+6{7.7.7©
580:	37E63875	388D391B	396D39FB	3A0C3A99	7æ8u8.9.9m9û:..:
590:	3AED3B7B	3B8B3C19	3C633CF4	3D143D90	:í;{;. < . < c < ô = . = .
5A0:	3E0A3E93	3EA33F1A	3F80400A	401A40A8	> . > . > £ ? . ? . @ . @ . @ "
5B0:	40F44181	4191420D	4283430D	431D434D	@ôA.A.B.B.C.C.CM
5C0:	43504355	43734401	447D450B	451C459D	CPCUCsD.D)E.E.E.
5D0:	462946B6	00000000	00000000	00000000	F) F¶.....
5E0:	00000000	00000000	00000000	00000000	.....
5F0:	00000000	00000000	00000000	00000000	.....
600:	00000000	00000000	00000000	00000000	.....
610:	00000000	00000000	00000000	00000000	.....
620:	00000000	00000000	00000000	00000000	.....
630:	00000000	00000000	00000000	10B40F04	.....´.
640:	C000B48C	2AC200B4	8C1AC081	107FC200	À.´.*Â.´..À...Â. Here the notes
650:	B4BC2AC0	10B40C2A	C08010B4	C010B40C	'¼*À.´.*À..´À.´. start...
660:	2AC28010	B4C08110	7FC08410	B4C08310	*Â..´À...À...´À..
670:	B4C28010	B4C000B4	8C2AC200	B48C1AC0	'Â..´À.´.*Â.´..Â
680:	81107FC2	00B4BC2A	C010B40C	2AC010B4	...Â.´¼*À.´.*À.´
690:	0C404C00	10B40C2A	C28010B4	C081107F	.@L...´.*Â..´À...
6A0:	C08410B4	C08310B4	C08B10B4	C0820097	À..´À..´À..´À...
6B0:	42010087	23504461	44004400	44004400	B...#PDaD.D.D.D.
6C0:	46014601	4601D082	0097C082	0087C082	F.F.F.Ð...À...À.
6D0:	00714201	42014201	00872350	44614400	.qB.B.B...#PDaD.
6E0:	44004400	44004601	46014601	CE8700CA	D.D.D.F.F.F.Î...Ê
6F0:	42014201	420110F0	CC304492	44924492	B.B.B..øÏ0D.D.D.

### 1.22 \* Format AC1D-Packer \*

```

*****
* ----- Heading model for << AC1D Packer >> ----- *
* ----- *

```

\* ----- Provenance : Demo "In The Kitchen" from ANARCHY ----- \*  
 \*\*\*\*\*

Something similar to ProRunner 2, especially with this value,  
 the offset to reach the samples...

|  
 v

000: 1A7FD1CA 00002AC8 085B0028 00D20789 The first byte (\$1A) is the  
 010: 0E280028 02B90B6F 05910040 00000001 number of positions...  
 020: 0BD90F30 00000001 040B0220 00000001 Then you find the \$AC1D which  
 030: 0C340F2E 07E6044E 09810040 00000001 has been transformed in \$D1CA  
 040: 0D710037 00000001 00000000 00000001 (inversion) in the demo...

050: 00000000 00000001 0ED20225 06EB07E7  
 060: 04A10040 00000001 08600037 00000001  
 070: 00000000 00000001 00000000 00000001  
 080: 0ED10F25 00000001 00000000 00000001  
 090: 0BEA0032 090002EA 00000000 00000001  
 0A0: 03180030 00000001 15910020 00000001 Then, normal sample data...

0B0: 00000000 00000001 084A002A 00000001  
 0C0: 0CD10040 00000001 00000000 00000001  
 0D0: 11C10040 00000001 00000000 00000001  
 0E0: 0A310029 00000001 00000000 00000001  
 0F0: 00000000 00000001 00000000 00000001  
 100: 0000996A 00009AE2 00009C9E 00009E5A Here, the patterns ABSOLUTE  
 110: 0000A01C 0000A24E 0000A480 0000A6AA ADDRESSES !

120: 0000A8C8 0000AB22 0000AD4C 0000AF6A  
 130: 0000B19E 0000B3CC 0000B516 0000B73C  
 140: 0000B93E 0000BB64 0000BDC4 0000BFE6  
 150: 0000C004 0000C0A2 00000000 00000000  
 160: 00000000 00000000 00000000 00000000  
 170: 00000000 00000000 00000000 00000000  
 180: 00000000 00000000 00000000 00000000  
 190: 00000000 00000000 00000000 00000000  
 1A0: 00000000 00000000 00000000 00000000  
 1B0: 00000000 00000000 00000000 00000000  
 1C0: 00000000 00000000 00000000 00000000  
 1D0: 00000000 00000000 00000000 00000000  
 1E0: 00000000 00000000 00000000 00000000  
 1F0: 00000000 00000000 00000000 00000000  
 200: 00000000 00000000 00000000 00000000  
 210: 00000000 00000000 00000000 00000000  
 220: 00000000 00000000 00000000 00000000  
 230: 00000000 00000000 00000000 00000000  
 240: 00000000 00000000 00000000 00000000  
 250: 00000000 00000000 00000000 00000000  
 260: 00000000 00000000 00000000 00000000  
 270: 00000000 00000000 00000000 00000000  
 280: 00000000 00000000 00000000 00000000  
 290: 00000000 00000000 00000000 00000000  
 2A0: 00000000 00000000 00000000 00000000  
 2B0: 00000000 00000000 00000000 00000000  
 2C0: 00000000 00000000 00000000 00000000  
 2D0: 00000000 00000000 00000000 00000000  
 2E0: 00000000 00000000 00000000 00000000  
 2F0: 00000000 00000000 00000000 00000000

300: 13000102 03040506 07080509 0A0B0C02 Here the pattern table as in PTK.

```

310: 030D0D0F 100E1112 07140000 00000000
320: 00000000 00000000 00000000 00000000
330: 00000000 00000000 00000000 00000000
340: 00000000 00000000 00000000 00000000
350: 00000000 00000000 00000000 00000000
360: 00000000 00000000 00000000 00000000
370: 00000000 00000000 00000000 00000000
380: 00009A27 00009A97 00009ACF 64CF073F ...'.....d..? And finally,
390: 0A04240A 043F0A04 64C73F0A 04240A04 ..$..?..d.?..$.. the packed
3A0: 3F0A0464 C73F0A04 240A043F 0A0464C7 ?..d.?..$..?..d. notes...
3B0: 3F0A0424 0A043F0A 0464C73F 0A04240A ?..$..?..d.?..$.
3C0: 043F0A04 64C73F0A 04240A04 3F0A0464 .?..d.?..$..?..d
3D0: C73F0A04 240A043F 0A0464C7 3F0A0424 .?..$..?..d.?..$
3E0: 0A043F0A 0464C73F 0A04240A 043F0A04 ..?..d.?..$..?..
3F0: 64C73F0A 04240A04 3F0A0464 C73F0A04 d.?..$..?..d.?..
400: 240A043F 0A0464C7 3F0A0424 0A043F0A $.?..d.?..$..?..
410: 0464C73F 0A04240A 043F0A04 64C73F0A .d.?..$..?..d.?..
420: 04240A04 3F0A0464 C73F0A04 240A043F .$.?..d.?..$..?..
430: 0A0464C7 3F0A0424 0A043F0A 041AC781 ..d.?..$..?..$..
440: 26C78128 CF0329CF 0426CF0F 3F0F0724 &..(..)..&..?..$

```

## 1.23 \* Format Pygmy Projects \*

```

*****
* ----- Heading model for << Pygmy Projects >> ----- *
* ----- *
* ----- Provenance : "Extension" Demo from Pygmy Projects ----- *
*****

```

Rather similar to Noise Runner ! Except that the pattern table is located at the end of the module !!! Very strange idea.... ;)

Moreover, the notes in the patterns are stored BACKWARDS !! Gosh !

What a joke !! Who did this ??

==> Flame/Pygmy Projects DID !! :) Helloooo mate !

```

000: 0001C5B8 00000001 C5B80000 00000000 Sample data, with ABSOLUTE
010: 0001C5B8 2A800001 C5B80001 00400000 ADDRESSES for Start & Repeat.
020: 00021AB8 0B000002 1AB80001 00400000
030: 000230B8 07A00002 30B80001 00400000
040: 00023FF8 08000002 3FF80001 00350000
050: 00024FF8 07E80002 4FF80001 00400000
060: 00025FC8 02E00002 5FC80001 00400000
070: 00026588 10800002 65880001 00400000
080: 00028688 0E000002 86880001 00400000
090: 0002A288 43C80002 A2880001 00400000
0A0: 00032A18 07800003 2A180001 00400000
0B0: 00033918 04580003 39180001 00200000
0C0: 000341C8 00000003 41C80001 00000000
0D0: 000341C8 39DB0003 679E26F0 003C0000
0E0: 0003B57E 06000003 B57E0001 00400000
0F0: 0003C17E 13F30003 C17E0001 00400000
100: 0003E964 00000003 E9640001 00000000

```

```

110: 0003E964 00000003 E9640001 00000000
120: 0003E964 06400003 E9640001 00200000
130: 0003F5E4 05E80003 F5E40001 00400000
140: 000401B4 098B0004 0AB80509 00400000
150: 000414CA 09400004 1DA204D4 00400000
160: 0004274A 00000004 274A0001 00000000
170: 0004274A 00000004 274A0001 00000000
180: 0004274A 00000004 274A0001 00000000
190: 0004274A 00000004 274A0001 00000000
1A0: 0004274A 00000004 274A0001 00000000
1B0: 0004274A 00000004 274A0001 00000000
1C0: 0004274A 00000004 274A0001 00000000
1D0: 0004274A 00000004 274A0001 00000000
1E0: 0004274A 00000004 274A0001 00000000
1F0: 00026192 00000002 61920001 00000000
200: 00000000 00000000 00000000 00000000
210: 80004A28 000E6B26 670A3290 4228000E
220: 6000F3EA 1228000F E809D201 3410D23B
230: 200332BB 10264628 000E6000 F3D01228
240: 000F0201 000FD201 3410D23B 20E732BB
250: 100A5428 000E6000 F3B40000 03580328
260: 02FA02D0 02A60280 025C023A 021A01FC
270: 01E001C5 01AC0194 017D0168 01530140
280: 012E011D 010D00FE 00F000E2 00D600CA
290: 00BE00B4 00AA00A0 0097008F 0087007F
2A0: 00780071 48484848 48484846 46464646
2B0: 46464444 44444444 44444242 42424242
2C0: 42424040 40404040 40403E3E 3E3E3E3E
2D0: 3E3E3E3C 3C3C3C3C 3C3C3C3C 3C3A3A3A
2E0: 3A3A3A3A 3A3A3A38 38383838 38383838
2F0: 38363636 36363636 36363636 36343434
300: 34343434 34343434 34323232 32323232
310: 32323232 32303030 30303030 30303030
320: 3030302E 2E2E2E2E 2E2E2E2E 2E2E2E2E
330: 2E2C2C2C 2C2C2C2C 2C2C2C2C 2C2C2C2C
340: 2A2A2A2A 2A2A2A2A 2A2A2A2A 2A2A2A2A
350: 28282828 28282828 28282828 28282828
360: 28262626 26262626 26262626 26262626
370: 24242424 24242424 24242424 24242424
380: 24242424 24242222 22222222 22222222
390: 22222222 22222222 22222220 20202020
3A0: 20202020 20202020 20202020 20202020
3B0: 1E1E1E1E 1E1E1E1E 1E1E1E1E 1E1E1E1E
3C0: 1E1E1E1E 1E1E1E1C 1C1C1C1C 1C1C1C1C
3D0: 1C1C1C1C 1C1C1C1C 1C1C1C1C 1C1C1C1A
3E0: 00000000 00000000 00000000 00000000
3F0: 00000000 00000000 00000000 00000000
400: 00000000 00000000 00000000 00000000
410: 00000000 00000000 00000000 00000000
420: 00000000 00000000 00000000 00000000
430: 00000000 00000000 00000000 00000000
440: 00000000 00000000 00000000 00000000
450: 00000000 00000000 00000000 00000000
460: 00000000 00000000 00000000 00000000
470: 00000000 00000000 00000000 00000000
480: 00000000 00000000 00000000 00000000
490: 00000000 00000000 00000000 00000000

```

Here, \$26192 stands for the total length of samples.

mt\_periodtable...as in PTK playroutine...

Here some strage bytes....?

...  
..  
.

```

4A0: 00000000 00000000 00000000 00000000
4B0: 00000000 00000000 00000000 00000000
4C0: 00000000 00000000 00000000 00000000
4D0: 00000000 00000000 00000000 00000000
4E0: 00000000 00000000 00000000 00000000
4F0: 00000000 00000000 00000000 00000000
500: 00000000 00000000 00000000 00000000
510: 00000000 00000000 00000000 00000000
520: 00000000 00000000 00000000 00000000
530: 00000000 00000000 00000000 00000000
540: 00000000 00000000 00000000 00000000
550: 00000000 00000000 00000000 00000000
560: 00000000 00000000 00000000 00000000
570: 00000000 00000000 00000000 00000000
580: 00000000 00000000 00000000 4A3900BF
590: DD0013FC 001900BF DF0021FC 00012138
5A0: 007833F9 00011D92 00DFF096 33FC2000
5B0: 00DFF09C 4E734A39 00BFDD00 23F90001
5C0: 1B2600DF F0A033F9 00011B2A 00DFF0A4
5D0: 23F90001 1B1000DF F0B033F9 00011B14
5E0: 00DFF0B4 23F90001 1AFA00DF F0C033F9
5F0: 00011AFE 00DFF0C4 23F90001 1AE400DF
600: F0D033F9 00011AE8 00DFF0D4 33FC2000
610: 00DFF09C 4E730018 314A6178 8DA1B4C5
620: D4E0EBF4 FAFDFFFD FAF4EBE0 D4C5B4A1
630: 8D78614A 31180000 34050000 34200000
640: 34050000 34200000 34202008 34200000
650: 34150000 34100000 34050000 34100000
660: 34050000 34100000 34050000 34100000
670: 34050000 34100000 34050000 34100000
680: 34050000 34150000 34050000 34180000
690: 34050000 34050000 34200000 34200000
6A0: 34050000 34200000 34050000 34200000
6B0: 34201A08 34200000 34050000 34200000
6C0: 34050000 34200000 34201608 34200000
6D0: 34150000 34100000 34050000 34100000
6E0: 34050000 34100000 34050000 34100000
6F0: 34050000 34100000 34050000 34100000
700: 34050000 34150000 34050000 34180000
710: 34050000 34050000 34200000 34200000
720: 34050000 34200000 34050000 34200000
730: 3C021A08 34200000 34100000 34200000
740: 34104048 34300000 34100000 34200000
750: 34100000 34300000 34100000 34200000
760: 34100000 34300000 34100000 34200000
770: 34104048 34300000 34104048 34200000
780: 34100000 34300000 34100000 34200000
790: 34100000 34300000 34100000 34200000
7A0: 34100000 34300000 34100000 34200000
7B0: 34104048 34300000 34100000 34200000
7C0: 34104048 34300000 34100000 34200000
7D0: 34100000 34300000 34100000 34200000
7E0: 34100000 34300000 34100000 34200000
7F0: 34104048 34300000 34104048 34200000

```

Here some coding lines...

And finally,  
in \$636,  
the packed notes !

Same as Noise Runner  
except that they're stored  
BACKWARDS !!

I had some problems  
to understand this !! ;-)

This tune by Jester is called  
"Cyberride".

## 1.24 \* Format Digital Illusions \*

```

*****
* ----- Heading model for << Digital Illusions >> ----- *
* ----- *
* ----- Provenance : Pinball Dreams & Fantasies ----- *
*****

000: 00160000 01260000 01580000 5BDE12A9 The first word is the number of
010: 00400475 0E1E1D4E 00400000 1D4E1D67 samples... ($16)
020: 00400000 1D670485 00400000 00011D33 Then, a usual sample data struct.
030: 00400AEB 12480796 00400000 00010447
040: 0040009C 03AB0DBA 00400000 00010321
050: 0F4002C8 00580A58 00400000 00011D0D
060: 00400A8C 104A0427 00400000 00011D2F
070: 00400000 1D2F03B2 00400000 00010369
080: 00400000 000105F7 00400574 007F1A96
090: 004015A2 04F41445 00400D79 06CC035F
0A0: 00400305 005A0B7E 0240063F 053A1D47
0B0: 00400000 1D470B78 00400038 0B400158
0C0: 033F051C 06B908E4 0B230CBD 0E480FEF Here pattern offsets...
0D0: 11C3138D 15151701 18FF1ADB 1CA41E63
0E0: 201E213C 22D72487 269E2868 299F2ADA
0F0: 2C872DF9 2F7F312C 32E33513 36E738C8
100: 3A943CC4 3EF44128 42B1445A 461F47AA
110: 494B4AEE 4C5A4E38 4FA55155 530754ED
120: 56CF58B9 5A9D1112 13050403 06070809 Here in $126, the REAL pattern
130: 0B000C01 101E1015 140D0E0D 0F18191A table (numbers).
140: 1B1C1F20 1D212223 28292426 272A2C2D
150: 252E2F30 313233FF 85830889 8C204180 Here in $157, the $FF byte
160: 49908003 08800A30 FFFF8003 08800A30 is the end of the table...
170: C0CA0880 0A028003 08800A30 800A0880 And in $158, the notes start..
180: 0A028003 08FFC24A 08800A03 800304FF Very strange format in fact...
190: 800A0880 0A028004 02FF4160 9D8A0280
1A0: 0402FFFF 800A0380 0402FF41 8021B080
1B0: 0402FFFF FF800402 FF24B0A1 BC108004
1C0: 02FFFFFF 800402FF 24D09D8A 0A800402
1D0: FFFF800A 0A800402 FF418019 90800402
1E0: FFFFFFFF80 0C20FF80 0C101990 FFFFFFFF
1F0: FFFF40C0 1160FFFF 800A08FF 0580FFC1

```

## 1.25 \* Format Channel Player \*

```

*****
* ----- Heading model for << Channel Player >> ----- *
* ----- *
* ----- Provenance : Game "Fury of the Furies" ----- *
*****

000: 00DA004C 21000000 73E60007 156A0000 Similar to NoisePackers...
010: 00400007 156A0001 00000007 156A03AF
020: 00400007 156A0001 00000007 1CC803E1
030: 00400007 1CC80001 00000007 248A0632
040: 00400007 248A0001 00000007 30EE0000

```



```

050: 00400007 30EE0001 00000007 30EE0000
060: 00400007 30EE0001 00000007 30EE0000
070: 00400007 30EE0001 00000007 30EE040C
080: 00400007 30EE0001 00900007 390607A5
090: 003A0007 47D2003F 00000007 48500AAA
0A0: 00300007 4FC806EE 00000007 5DA40A4A
0B0: 00300007 64C006BC 00000007 72380433
0C0: 00400007 72380001 00900007 7A9E0759
0D0: 00400007 7A9E0001 00000001 02030405   Track offsets...
0E0: 06070008 090A040B 0C0D0E0F 181C0E19
0F0: 1A1B100F 1D1B1019 051B100F 081B1019
100: 0B1B1415 16171E15 1F200E21 1F221011
110: 12131011 12131023 24251026 27281023
120: 29251026 2A2B32BA FC32BAF1 32BAF132   And the notes...
130: BAF32BAF1 F132BAF1 32BAFC32 BAF132BA
140: FC32BAF1 32BAF132 BAF32BAF1 F132BAF1
150: 32BAFC32 BAF132BA FC32BAF1 32BAF132
160: BAF32BAF1 F132BAF1 32BAFC32 BAF132BA
170: FC32BAF1 32BAF132 BAF32BAF1 F132BAF1
180: 32BAFC32 BAF132BA FC32BAF1 32BAF132
190: BAF32BAF1 F132BAF1 32BAFC32 BAF132BA
1A0: FC32BAF1 32BAF132 BAF32BAF1 F132BAF1
1B0: 32BAFC32 BAF132BA FC32BAF1 32BAF132
1C0: BAF32BAF1 F132BAF1 32BAFC32 BAF132BA
1D0: FC32BAF1 32BAF132 BAF32BAF1 F132BAF1
1E0: 32BAFC32 BAF11691 031A9310 00048200
1F0: 04000004 00000400 00040000 04000004
200: 00000400 00040000 04000004 00000400
210: 24900000 0AF62C91 022E9310 00040000
220: 04000004 00000400 28900000 0AF10000
230: 00000000 00000000 00001E90 00000AF1
240: 1E910220 93100004 00000400 00040000
250: 04000004 00000400 00040000 04000004
260: 00000400 00040000 04000004 00000400
270: 00040000 04000004 00000400 00040000
    
```

## 1.26 \* Format Promizer 4.0 \*

```

*****
* ----- Heading model for << Promizer 4.0 >> ----- *
* ----- Provenance : module "PM40.Do you wanne" ----- *
*****

000: 504D3430 00000003 00000200 04000400   PM40.....
010: 00000000 00000000 00000000 00000000
020: 00000000 00000000 00000000 00000000   There is this mark at the
030: 00000000 00000000 00000000 00000000   beginning...
040: 00000000 00000000 00000000 00000000   Then the pattern table,
050: 00000000 00000000 00000000 00000000   (multiples of $200)...
060: 00000000 00000000 00000000 00000000
070: 00000000 00000000 00000000 00000000
080: 00000000 00000000 00000000 00000000
090: 00000000 00000000 00000000 00000000
0A0: 00000000 00000000 00000000 00000000
    
```

```

0B0: 00000000 00000000 00000000 00000000
0C0: 00000000 00000000 00000000 00000000
0D0: 00000000 00000000 00000000 00000000
0E0: 00000000 00000000 00000000 00000000
0F0: 00000000 00000000 00000000 00000000
100: 00000000 00000000 03660040 00000001 Here in $108, the sample-data.
110: 00000000 00000000 004B0030 0000004B
120: 02E10015 00D7020A 00000000 00000000
130: 00000000 00000000 004E0030 0002004C
140: 00000000 00000000 00000000 00000000
150: 00000000 00000000 00000000 00000000
160: 00000000 00000000 00000000 00000000
170: 00000000 00000000 00000000 00000000
180: 00000000 00000000 001B0040 00010019
190: 00000000 00000000 00000000 00000000
1A0: 00000000 00000000 00000000 00000000
1B0: 00000000 00000000 00000000 00000000
1C0: 00000000 00000000 00000000 00000000
1D0: 00000000 00000000 00000000 00000000
1E0: 00000000 00000000 00000000 00000000
1F0: 00000000 00000000 00000000 00000000
200: 00000890 00000804 00010002 00030002 Here in $200, the offset to reach
210: 00040005 00000006 00010007 00080009 the samples, and another one for
220: 00040005 000A0006 000B0002 00030009 the notes (packed)
230: 0004000C 00000006 00010005 00080009
240: 00040002 000A0006 0001000D 00030009
250: 0004000E 00000006 000B0002 00080009
260: 0004000F 000A0006 00010010 00030011
270: 00040002 00000011 000B000D 00080011
280: 00040012 000A0011 00010002 00030011
290: 00040010 00000006 00010007 00080009
2A0: 00040005 000A0006 000B0002 00030009
2B0: 0004000C 00000006 00010005 00080009
2C0: 00040002 000A0006 0001000D 00030009
2D0: 0004000E 00000006 000B0002 00080009
2E0: 0004000F 000A0006 00010010 00030011
2F0: 00040002 00000011 000B000D 00080011

```

## 1.27 \* Format The Player v5.0a / 6.0a / 6.1a \*

```

*****
* ----- Heading model for << P50A/P60A/P61A >> ----- *
* ----- *
* ----- Provenance : VD-FullMoon-3 by Jogeir Liljedahl ----- *
*****

```

Very difficult to detect in memory ! Because of no specifik mark,  
and not usual sample data structure...

Although there are lots of \$FFFF in some modules (but not each time !)

Difference between P5 & P6 : the pattern table is NORMAL in a P6 module..  
Whereas it's multiplied by 2 in a P5 module...

In the new P61A, there's NO difference in the heading, (except a bit set

in the sample-byte to tell that samples are both packed AND delta !  
 when this is the case, of course).  
 The great changing is in the pattern packing format !! Whhooooo  
 Completely new ! Even more powerful than P60 (obviously), there are almost  
 no ZEROs left... crunch! crunch! ;-)

Note : Since v2.1, Pro-Wizard recognizes P6 modules with packed samples !  
 Thanks to Janos "Chexum" Farkas !!

```

$3A8C = offset to reach the samples...
|
| $3F = number of patterns...
| |
| |$1F = number of samples used...
| | |
| | | |
000: 3A8C3F1F 054C072D FFFF08C1 041C0001 Yoooo the fuckin' heading ! ;)
010: 06C1041C 000106BC 0340FFFF 06EB0340
020: FFFF06ED 0340FFFF 06DA0340 FFFF05DD $054C = length (/2)
030: 0340FFFF 06D20340 FFFF06D6 0340FFFF $07 = finetune +7
040: 06C10340 FFFF06D1 0340FFFF 06C00340 $2D = volume $2D
050: FFFF06F8 0340FFFF 06D60340 FFFF06D3 $FFFF = no loop!
060: 0340FFFF 06B60340 FFFF06D8 0340FFFF Thus repeat = 0, replen = 2.
070: 06B70340 FFFF06EC 0340FFFF 06E70340 When there is no $FFFF, there is
080: FFFF06C7 0340FFFF 08C1041C 00011001 a LOOP, and the value is which of
090: 000E0001 283F0024 16FF04DB 031B03B9 REPEAT.
0A0: 0C080040 FFFF0CDA 0020FFFF 06EB001B
0B0: FFFF0094 02190074 096F0019 FFFF0000 Here in $BE, the track table..
0C0: 0B532039 2CA30074 0B8A2099 2CFA00E0
0D0: 0BB020E5 2D440104 0BD82146 2D920124
0E0: 0C042162 2DD7014C 0C54218E 2E19016C
0F0: 0C8D21E1 2E3F019C 0C91220D 2E4301CC
100: 0C992239 2E4701EC 0CA52265 2E67020C
110: 0CF12291 2EBF023C 0D3122BD 2EF3026C
120: 0D7122E9 2F27028C 0DB12315 2F7902AC
130: 0DF52341 2FB002DC 0E39236D 2FE1030C
140: 0E7D2399 302F032C 0EC123C5 3081034C
150: 0F0523F1 30BA037C 0F49241D 30E6039C
160: 0FA92449 310803CC 1025249B 313D03EC
170: 108F24C7 314D041C 10FD24EB 316C043C
180: 11672517 3174045C 11D32543 31C5048C
190: 123D256F 31D104BC 12A7259B 31F704DC
1A0: 131125C7 3240050C 137B25F3 3268052C
1B0: 13E5261F 32AC0574 1451264B 32B005B4
1C0: 14BD268F 32F005FC 152726D7 33080640
1D0: 1591271F 33280680 15FB2767 333806A0
1E0: 166527A7 334806D0 16CF27D7 33500700
1F0: 17392807 33680734 17A32837 3370078C
200: 180D2877 339F07AF 187728AB 33AF07DB
210: 18E128DF 33C707F7 194B2913 33D3082F
220: 19B52953 33FF0847 1A1F2987 34130863
230: 1A8929BB 341F0873 1AF329EF 342F08B3
240: 1B5D2A2F 345D08F3 1BC72A5F 34690933
250: 1C312A8F 348D0973 1C9B2ACF 34B30993
260: 1CDF2AFB 34BB09DB 1D2B2B27 34C30A1B

```

```

270: 1D952B53 352C0A3B 1E042B7F 35920A5B
280: 1E702BAB 360B0A7B 1EDA2BD7 361B0A9B
290: 1F222C03 365E0ACB 1F462C2F 36910AFB
2A0: 1F6A2C5B 36C40B2B 1F8E2C83 36F70B3F
2B0: 1FD52C93 37400400 0206080A 0C0E1012 Here in $2B6 the pattern table
2C0: 1416181A 1C1E2022 1C242628 2A2C2E30
2D0: 32343630 32383A3C 3E404244 46484A4C
2E0: 4E505254 56585A5C 5E606264 30323870
2F0: 66686668 6A6A6C6E 72747672 78727872
300: 7A7CFFC5 4F0401C5 600001C5 500001C5 The $FF in $302 is the end of the
310: 600001CB 100001C5 500001C5 500001C5 table...
320: 700001C5 400001C5 600001C5 400001C5 Just there start the notes....
330: 50000180 010024C5 400001C5 800001C5 Very STRONG format !!
340: 900001C5 C00001C5 A00001C5 C00001CB
350: 100001C5 A00001C5 A00001C5 D0000180 Congratulations JARNO ! ;- )
360: 010024C5 900001C5 A0000180 010020C5
370: 900001C5 B00001C5 E00001C5 B00001C5 I have to say that I had some
380: F00001C5 B00001CB 100001C5 F00001C5 problems to understand all this
390: F00001C4 00000180 010024C5 E00001C5 the first time.... pfioouuu
3A0: F0000180 010020C5 E00001C4 100001C4
3B0: 300001C4 100001C4 200001C4 100001CB
3C0: 100001C4 200001C4 200001C4 40000180
3D0: 020024C4 20000180 01001CC4 600001C4
3E0: 500001FF 0F1F03FA 8C060200 0C02EEA0
3F0: 0003FF0E B1F5000E 60FF0EB1 F4000000

```

## 1.28 \* Format StarTrekker Packer \*

```

*****
* ----- Heading model for << StarTrekker Packer >> ----- *
* ----- *
* ----- Provenance : CAVE demos & intros ----- *
*****

```

Coded by Mr.Spiv/CAVE.

Thanks to Speedy/Speedy for the originals !

Quite difficult to detect cause no specifik mark...

```

0000: 6968616E 61610000 00000000 00000000 ihanaa..... Module name
0010: 00000000 0C4E0034 00000001 17A50034 .....N.4.....$\\yen$.4 Sample Data...
0020: 00000001 0D230040 00000001 06C00040 .....#.@.....À.@
0030: 00000001 18FD0034 00000001 19410040 .....ý.4.....A.@
0040: 00000001 0ACD0035 00000001 05DF002B .....Í.5.....ß.+
0050: 00000001 27130029 00000001 00000000 .....').....
0060: 00000001 00000000 00000001 00000000 .....
0070: 00000001 00000000 00000001 00000000 .....
0080: 00000001 00000000 00000001 00000000 .....
0090: 00000001 00000000 00000001 00000000 .....
00A0: 00000001 00000000 00000001 00000000 .....
00B0: 00000001 00000000 00000001 00000000 .....
00C0: 00000001 00000000 00000001 00000000 .....
00D0: 00000001 00000000 00000001 00000000 .....

```

```

00E0: 00000001 00000000 00000001 00000000 .....
00F0: 00000001 00000000 00000001 00000000 .....
0100: 00000001 00000000 00000001 00740000 .....t.. nb_pos,
0110: 00000190 00000190 000004D4 00000311 .....Ô.... pattern offsets
0120: 00000691 00000C0F 00000E44 0000107F .....D....
0130: 00001323 000008CF 00001624 00001624 ...#...ï...$...$
0140: 0000181A 0000181A 00001A28 00001A28 .....(...(
0150: 00001C36 00001E26 00002037 00002037 ...6...&.. 7.. 7
0160: 000022FC 000022FC 00002618 00002910 .."ü.."ü..&...).
0170: 00002ADC 00002CD2 00002CD2 00002F16 ..*Û..,Ò..,Ò../.
0180: 00002F16 00000000 00000000 00000000 ../.
0190: 00000000 00000000 00000000 00000000 .....
01A0: 00000000 00000000 00000000 00000000 .....
01B0: 00000000 00000000 00000000 00000000 .....
01C0: 00000000 00000000 00000000 00000000 .....
01D0: 00000000 00000000 00000000 00000000 .....
01E0: 00000000 00000000 00000000 00000000 .....
01F0: 00000000 00000000 00000000 00000000 .....
0200: 00000000 00000000 00000000 00000000 .....
0210: 00000000 00000000 00000000 00000000 .....
0220: 00000000 00000000 00000000 00000000 .....
0230: 00000000 00000000 00000000 00000000 .....
0240: 00000000 00000000 00000000 00000000 .....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00000000 00000000 00000000 00000000 .....
0270: 00000000 00000000 00000000 00000000 .....
0280: 00000000 00000000 00000000 00000000 .....
0290: 00000000 00000000 00000000 00000000 .....
02A0: 00000000 00000000 00000000 00000000 .....
02B0: 00000000 00000000 00000000 00000000 .....
02C0: 00000000 00000000 00000000 00000000 .....
02D0: 00000000 00000000 00000000 00000000 .....
02E0: 00000000 00000000 00000000 00000000 .....
02F0: 00000000 00000000 00000000 00000000 .....
0300: 00000000 00000000 00000000 00000000 .....
0310: 00003226 11FCC000 00D64F06 00BEC000 ..2&.üÀ..ÖÖ..¾À. patterns !
0320: 208F4000 8000D640 00808080 00D64000 .@...ö@.....ö@.
0330: 80808010 D6400080 808010D6 00008080 ....ö@.....ö@... $80 = no note
0340: 8010D600 00808080 00D68000 80808000 ..ö@.....ö@.....
0350: D6400080 808000D6 40008080 8010D640 ö@.....ö@.....ö@
0360: 00808080 10D60000 80808010 D6000080 .....ö@.....ö@...
0370: 808010D6 40008080 8010D600 00808012 ...ö@.....ö@.....
0380: 3AC00000 D6800000 BEC00080 80808080 :À..ö@...¾À.....
0390: 11FCC000 00D68000 00BEC000 208F4000 .üÀ..ö@...¾À. .@.
03A0: 8000D640 00808080 00D64000 80808010 ..ö@.....ö@.....

```

### 1.29 \* Format Game Music Creator \*

```

*****
* ----- Heading model for << Game Music Creator >> ----- *
*****

```

SOUNDTRACKER 15 samples packer !

Sample data, with absolute addresses....

In \$F0, the number of positions, the pattern table, multiples of \$400  
 And finally the notes, soundtracker format...

```

0000: 0002AA48 23210040 0002AA48 23210000 ..aH#!.@..aH#!..
0010: 0002F08A 08030040 0002FAD6 02DD0000 ..š....@..úÖ.Ý..
0020: 00030090 08350038 00012354 00020000 .....5.8..#T....
0030: 000310FA 320C0040 00034702 17080000 ...ú2..@..G.....
0040: 00037512 3A570040 00012354 00020000 ..u.:W.@..#T....
0050: 0003E9C0 16650040 0004162A 00300000 ..éÀ.e.@...*.0..
0060: 0004168A 074D0040 00012354 00020000 .....M.@..#T....
0070: 00000000 00000000 00000000 00000000 .....
0080: 00000000 00000000 00000000 00000000 .....
0090: 00000000 00000000 00000000 00000000 .....
00A0: 00000000 00000000 00000000 00000000 .....
00B0: 00042524 0FBC0040 00012354 00020000 ..%$.¼.@..#T....
00C0: 0004449C 023E0040 00012354 00020000 ..D.>.@..#T....
00D0: 00044918 07810040 00012354 00020000 ..I....@..#T....
00E0: 00000000 00000000 00000000 00000000 .....
00F0: 00000023 00000400 08000800 0C000C00 ...#.....
0100: 14001800 18001C00 08000800 0C001000 .....
0110: 20002400 28002C00 30003800 38003400 .$. (. , .0.8.8.4.
0120: 08000800 0C000C00 20002400 2C003000 .....$. , .0.
0130: 34003C00 40004400 48000000 00000000 4.<.@.D.H.....
0140: 00000000 00000000 00000000 00000000 .....
0150: 00000000 00000000 00000000 00000000 .....
0160: 00000000 00000000 00000000 00000000 .....
0170: 00000000 00000000 00000000 00000000 .....
0180: 00000000 00000000 00000000 00000000 .....
0190: 00000000 00000000 00000000 00000000 .....
01A0: 00000000 00000000 00000000 00000000 .....
01B0: 00000000 00000000 00000000 00000600 .....
01C0: 01AC1315 01AC1310 01AC7310 00000000 .\ensuremath{\lnot}... \ensuremath{\lnot} ←
}... \ensuremath{\lnot}s.....
01D0: 00000806 00000000 00000000 00000000 .....
01E0: 00000000 00000000 00000000 00000000 .....
01F0: 00000000 00000000 00000000 01E01315 .....à..
0200: 00000000 00000000 01AC7310 00000000 ..... \ensuremath{\lnot}s.....
0210: 00000000 00000000 00000000 00000000 .....
0220: 00000000 00000000 00000000 00000000 .....
0230: 00000000 00000000 00000000 00000000 .....
0240: 01AC1320 00000000 01AC7310 00000000 .\ensuremath{\lnot}. .... \ensuremath{\lnot} ←
lnot}s.....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00000000 00000000 00000000 00000000 .....
0270: 00000000 00000000 00000000 01E0131F .....à..
0280: 00000000 00000000 01687310 00000000 .....hs.....
0290: 00000000 00000000 00000000 00000000 .....
02A0: 00000000 00000000 00000000 00000000 .....
02B0: 00000000 00000000 00000000 00000000 .....
02C0: 01AC1325 00000000 01AC7318 00000000 .\ensuremath{\lnot}%. .... \ensuremath{\lnot} ←
lnot}s.....
02D0: 00000000 00000000 00000000 00000000 .....
02E0: 00000000 00000000 00000000 00000000 .....
02F0: 00000000 00000000 00000000 01E01325 .....à.%
    
```

### 1.30 \* Format Module Protector \*

```
*****
* ----- Heading model for << Module Protector >> ----- *
* ----- *
* ----- Provenance : Adprod music ----- *
*****
```

The "TRK1" at the beginning is NOT ALWAYS PRESENT ! Be careful...

Then, same heading than PP10, PP21, Heatseeker....

Difficult to make the difference.... :(

```
0000: 54524B31 19760040 14430532 0D760040 TRK1.v.@.C.2.v.@
0010: 0B0E0268 09A80040 00000001 040E0040 ...h.".@.....@
0020: 00000001 15370040 128D02AA 121C0040 .....7.@...^a...@
0030: 0FE2023A 0F080040 0D8B017C 042D0040 .â:..@...|.-.@
0040: 00000001 2BDA0040 00000001 2EAE0040 ....+Ú.@.....@.@
0050: 00000001 01520040 00000001 0CD60040 .....R.@.....Ö.@
0060: 00000001 032C0040 00000001 102D0040 .....,.@.....-.@
0070: 00000001 07AC0020 00000001 05770040 .....\ensuremath{\lnot}. ....w.@
0080: 00000001 14C40040 102C0476 08980040 .....Ä.@.,.v...@
0090: 00000001 0A200040 00000001 135E0040 ..... .@.....^.@
00A0: 00000001 15BF0040 00000001 0E680040 .....¿.@.....h.@
00B0: 00000001 0AB90040 00000AB9 00000000 .....$^1$.@...$^1$....
00C0: 00000001 00000000 00000001 00000000 .....
00D0: 00000001 00000000 00000001 00000000 .....
00E0: 00000001 00000000 00000001 00000000 .....
00F0: 00000001 00000000 00000001 157F0001 ..... patt_table
0100: 02030405 06070808 09090808 0A0B0C08 .....
0110: 09090D00 00000000 00000000 00000000 .....
0120: 00000000 00000000 00000000 00000000 .....
0130: 00000000 00000000 00000000 00000000 .....
0140: 00000000 00000000 00000000 00000000 .....
0150: 00000000 00000000 00000000 00000000 .....
0160: 00000000 00000000 00000000 00000000 .....
0170: 00000000 00000000 00000000 00000000 .....
0180: 0F0601AC 3000008F 20000000 00000000 ...\ensuremath{\lnot}0... .. ←
      notes PTK
0190: 00000000 00000000 00000000 00000000 .....
01A0: 00000000 00000000 000000B4 20000000 ..... ´ ...
01B0: 00000000 00000000 00000000 00000000 .....
01C0: 00000000 000000D6 20000000 00000000 ..... Ö .....
01D0: 0000011D 30000000 00000000 00000000 ..... 0 .....
01E0: 000001E0 30000000 000000BE 20000000 ... à0..... ¼ ...
01F0: 00000000 00000000 00000000 00000000 .....
0200: 0000023A 30000000 00000000 00000000 ...:0 .....
0210: 00000000 00000000 00000000 00000000 .....
0220: 00000000 000000F0 20000000 00000000 ..... ð .....
0230: 00000000 00000000 00000000 00000000 .....
0240: 00000000 00000000 0000011D 20000000 .....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00000000 0000008F 20000000 00000000 .....
0270: 00000000 00000000 00000000 00000000 .....
```

```

0280: 000001AC 30000000 00000000 00000000 ...\ensuremath{\lnot}0.....
0290: 00000000 00000000 00000000 00000000 .....
02A0: 00000000 00000000 000000B4 20000000 ..... ' ...
02B0: 000001AC 30000000 00000000 00000000 ...\ensuremath{\lnot}0.....
02C0: 00000000 000000D6 20000000 00000000 .....Ö .....
02D0: 0000011D 30000000 00000000 00000000 ....0.....
02E0: 000001E0 30000000 000000BE 20000000 ...à0.....¼ ...
02F0: 00000000 00000000 00000000 00000000 .....

```

### 1.31 \* Format Promizer v0.1 (ex-Avalon) \*

```

*****
* ----- Heading model for << Promizer v0.1 >> ----- *
* -----
* ----- Provenance : Demo AVALON ----- *
*****

```

Again a classic heading...

In \$F8, nb\_pos followed by the pattern numbers (\* \$400).

```

0000: 0F310040 03630BCE 0F780040 03010C77 .1.@.c.Î.x.@...w
0010: 13450040 06A00CA5 0FD00040 01010DA6 .E.@.~.$\yen$.Đ.@...|
0020: 10B70040 03E20CD5 10450040 02A40DA1 .@.â.Ö.E.@.¤.j
0030: 05ED0020 000105EC 00000000 00000001 .í. ...ì.....
0040: 0E160040 01770C9F 0B800040 00000001 ...@.w....@....
0050: 01E00040 017C0064 00400040 0001003F .à.@.|.d.@.@...?
0060: 00000000 00000001 04900040 00000001 .....@....
0070: 0ADF0040 00000001 0B710020 00000001 .ß.@....q. ....
0080: 00000000 00000001 08EA0020 00000001 .....ê. ....
0090: 01A80D40 00000001 023B0D40 00000001 .".@.....;.@....
00A0: 00400040 0001003F 00000000 00000001 .@.@...?.....
00B0: 03F40D40 00000001 035B0D40 00000001 .ô.@.....[.@....
00C0: 0DA90030 00000001 10840030 00000001 .©.0.....0....
00D0: 00000000 00000001 00000000 00000001 .....
00E0: 00000000 00000001 00000000 00000001 .....
00F0: 0F5E0040 06250939 00A40000 00000000 .^.@.%.9.¤.....
0100: 04000000 08000000 24000000 28000000 .....$. (...
0110: 2C000000 0C000000 10000000 14000000 ,.....
0120: 18000000 1C000000 20000000 30000000 ..... 0...
0130: 34000000 14000000 18000000 38000000 4.....8...
0140: 3C000000 30000000 34000000 0C000000 <...0...4.....
0150: 10000000 40000000 40000000 44000000 ....@...@...D...
0160: 48000000 4C000000 50000000 54000000 H...L...P...T...
0170: 58000000 5C000000 60000000 64000000 X... ..'\...d...
0180: 68000000 5C000000 60000000 64000000 h... ..'\...d...
0190: 54000000 54000000 6C000000 70000000 T...T...l...p...
01A0: 74000000 6C000000 70000000 74000000 t...l...p...t...
01B0: 00000000 00000000 00000000 00000000 .....
01C0: 00000000 00000000 00000000 00000000 .....
01D0: 00000000 00000000 00000000 00000000 .....
01E0: 00000000 00000000 00000000 00000000 .....
01F0: 00000000 00000000 00000000 00000000 .....
0200: 00000000 00000000 00000000 00000000 .....
0210: 00000000 00000000 00000000 00000000 .....

```



```

0220: 00000000 00000000 00000000 00000000 .....
0230: 00000000 00000000 00000000 00000000 .....
0240: 00000000 00000000 00000000 00000000 .....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00000000 00000000 00000000 00000000 .....
0270: 00000000 00000000 00000000 00000000 .....
0280: 00000000 00000000 00000000 00000000 .....
0290: 00000000 00000000 00000000 00000000 .....
02A0: 00000000 00000000 00000000 00000000 .....
02B0: 00000000 00000000 00000000 00000000 .....
02C0: 00000000 00000000 00000000 00000000 .....
02D0: 00000000 00000000 00000000 00000000 .....
02E0: 00000000 00000000 00000000 00000000 .....
02F0: 00000000 00000000 00000000 7800FDC5 .....x.ýÅ Here the notes
0300: 63F0FFFF F0F6FFFF FFF0FFFF F9F1FFFF cð..ðö...ð..ùñ.. start...
0310: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùð..
0320: F5F0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òð...ð...ð..ùñ.. Nice eehh ??
0330: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùð..
0340: F5F0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òð...ð...ð..ùñ..
0350: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùð..
0360: F5F0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òð...ð...ð..ùñ..
0370: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùð..
0380: F5F0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òð...ð...ð..ùñ..
0390: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùð..
03A0: F5F0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òð...ð...ð..ùñ..
03B0: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùñ..
03C0: F5E0FFFF FFF0FFFF FFF0FFFF F9F1FFFF òà...ð...ð..ùñ..
03D0: F5E0FFFF FFF0FFFF FFF0FFFF FFF0FFFF òà...ð...ð...ð..
03E0: F5E0FFFF FFF0FFFF FFF0FFFF FFF0FFFF òà...ð...ð...ð..
03F0: F5E0FFFF FFF0FFFF FFF0FFFF FFF0FFFF òà...ð...ð...ð..

```

### 1.32 \* Format FC-M Packer \*

```

*****
* ----- Heading model for << FC-M Packer >> ----- *
* ----- Provenance : Scoopex "Occasions of Sin" tune ----- *
*****

```

No modification in the notes-format... just in the heading !

```

0000: 46432D4D 01004E41 4D456F63 63617369 FC-M..NAMEoccasi NAME
0010: 6F6E7320 6F662073 696E0000 0000494E ons of sin...IN INST
0020: 535402F0 00400000 00010861 00400000 ST.ð.@....a.@..
0030: 00010811 00400000 00016FB4 0040545F .....@.....o'.@T_
0040: 1B550579 0040011E 045B11AD 00400BEF .U.y.@...[. .@.ï
0050: 0206045D 00400000 0001058C 00400000 ...].@.....@..
0060: 000105AD 00400000 000105C9 00400000 ... .@.....É.@..
0070: 00010B0F 00400000 00010BDD 00400000 .....@.....Ý.@..
0080: 00010518 00400000 00010496 00400000 .....@.....@..
0090: 00012CAB 00401877 13102B4A 00400F70 ..,«.@.w..+J.@.p
00A0: 1770110A 004007EF 091B11E7 00400000 .p...@.ï...ç.@..
00B0: 0001068F 00300000 00010000 00000000 .....0.....
00C0: 00010000 00000000 00010000 00000000 .....
00D0: 00010000 00000000 00010000 00000000 .....

```

```

00E0: 00010000 00000000 00010000 00000000 .....
00F0: 00010000 00000000 00010000 00000000 .....
0100: 00010000 00000000 00010000 00000000 .....
0110: 00010000 00000000 00014C4F 4E471E7F .....LONG.. LONG
0120: 50415454 01020103 04050607 08090A0B PATT..... PATT
0130: 0F101111 0D121314 11150E16 17181515 .....
0140: 0C19534F 4E470000 000000E2 1F030000 ..SONG.....â.... SONG
0150: 0F910000 00000000 00000000 00000000 .....
0160: 00000000 00000000 00000000 00000000 .....
0170: 00000000 00000000 00000000 00000000 .....
0180: 00000000 00000000 00000000 00000153 .....S
0190: 30000000 00000000 00000000 00000000 0.....
01A0: 00000000 00000000 000000E2 1C1A0000 .....â....
01B0: 00000000 00000000 00000000 00000000 .....
01C0: 00000000 00000000 000000FE 10000153 .....p...S
01D0: 3C1A0000 00000000 00000000 00000000 <.....
01E0: 00000000 00000000 00000000 00000153 .....S
01F0: 30000000 00000000 00000000 00000000 0.....
0200: 00000000 00000000 000000FE 1C1A0000 .....p...
0210: 00000000 00000000 00000000 00000000 .....
0220: 00000000 00000000 000000E2 10000000 .....â....
0230: 00000000 00000000 00000000 00000000 .....
0240: 00000000 00000000 00000000 00000153 .....S
0250: 3C1A0000 00000000 00000000 00000000 <.....
0260: 00000000 00000000 000000E2 1C1A0153 .....â...S
0270: 30000000 00000000 00000000 00000000 0.....
0280: 00000000 00000000 000000FE 10000000 .....p...
0290: 00000000 00000000 00000000 00000000 .....
02A0: 00000000 00000000 00000000 00000153 .....S
02B0: 3C1A0000 00000000 00000000 00000000 <.....
02C0: 00000000 00000000 00000000 000000E2 .....â
02D0: 30000000 00000000 00000000 00000000 0.....
02E0: 00000000 00000000 000000FE 1C1A0000 .....p...
02F0: 00000000 00000000 00000000 00000000 .....

```

### 1.33 \* Formats Soundtracker 2.6 & Ice-Tracker \*

```

*****
* ----- Heading model for << Soundtracker 2.6 >> ----- *
* ----- and << Ice-Tracker >> ----- *
*****

```

Same heading as a 31-samples-module...

But the pattern table is composed of the number of each track used...

```

0000: 73706163 6577616C 6B000000 00000000 spacewalk.....
0010: 00000000 73742D30 303A6472 756D2074 ....st-00:drum t
0020: 6F6D2032 00000000 000009DC 00400000 om 2.....Û.@..
0030: 00017374 2D30303A 6272756D 20626173 ..st-00:brum bas
0040: 73000000 00000000 06AE0040 00000001 s.....@.@....
0050: 73742D30 303A6472 756D2073 6E617265 st-00:drum snare
0060: 00000000 00000F78 00350000 0001726F .....x.5....ro
0070: 726F2031 00000000 00000000 00000000 ro 1.....
0080: 00000000 03A00025 00000001 73742D30 .....~.%....st-0

```

0090:	303A726F	626F2032	00000000	00000000	0:robo 2.....
00A0:	000003CF	002D0000	00017374	2D30303A	...ï.-....st-00:
00B0:	726F626F	20330000	00000000	00000000	robo 3.....
00C0:	038E0020	00000001	73742D30	303A726F	... ....st-00:ro
00D0:	626F2034	00000000	00000000	0000053B	bo 4.....;
00E0:	00250000	00017374	2D30303A	73746172	.%....st-00:star
00F0:	74206678	00000000	00000000	18FA0032	t fx.....ú.2
0100:	00000001	73742D30	303A6861	6D6D6572	....st-00:hammer
0110:	00000000	00000000	00000AF8	00400000	.....ø.@..
0120:	00017374	2D30303A	73747269	6D670000	..st-00:string..
0130:	00000000	00000000	29BB0040	000829B3	.....)».@..) \$^3\$
0140:	73742D30	303A6261	73730000	00000000	st-00:bass.....
0150:	00000000	00000AA2	00400000	00017374	.....ç.@....st
0160:	2D30303A	736C6170	20626173	73000000	-00:slap bass...
0170:	00000000	04F2002C	00000001	73742D30	....ò.,....st-0
0180:	303A766F	69636573	00000000	00000000	0:voices.....
0190:	00000E67	00200003	0E647374	2D30303A	..g. ...dst-00:
01A0:	6D656C6F	2073796E	20310000	00000000	melo syn 1.....
01B0:	1D65001A	00000001	00000000	00000000	.e.....
01C0:	00000000	00000000	00000000	00000000	.....
01D0:	00000000	00010000	00000000	00000000	.....
01E0:	00000000	00000000	00000000	00000000	.....
01F0:	00000001	00000000	00000000	00000000	.....
0200:	00000000	00000000	00000000	00000000	.....
0210:	00010000	00000000	00000000	00000000	.....
0220:	00000000	00000000	00000000	00000001	.....
0230:	00000000	00000000	00000000	00000000	.....
0240:	00000000	00000000	00000000	00010000	.....
0250:	00000000	00000000	00000000	00000000	.....
0260:	00000000	00000000	00000001	00000000	.....
0270:	00000000	00000000	00000000	00000000	.....
0280:	00000000	00000000	00010000	00000000	.....
0290:	00000000	00000000	00000000	00000000	.....
02A0:	00000000	00000001	00000000	00000000	.....
02B0:	00000000	00000000	00000000	00000000	.....
02C0:	00000000	00010000	00000000	00000000	.....
02D0:	00000000	00000000	00000000	00000000	.....
02E0:	00000001	00000000	00000000	00000000	.....
02F0:	00000000	00000000	00000000	00000000	.....
0300:	00010000	00000000	00000000	00000000	.....
0310:	00000000	00000000	00000000	00000001	.....
0320:	00000000	00000000	00000000	00000000	.....
0330:	00000000	00000000	00000000	00010000	.....
0340:	00000000	00000000	00000000	00000000	.....
0350:	00000000	00000000	00000001	00000000	.....
0360:	00000000	00000000	00000000	00000000	.....
0370:	00000000	00000000	00010000	00000000	.....
0380:	00000000	00000000	00000000	00000000	.....
0390:	00000000	00000001	00000000	00000000	.....
03A0:	00000000	00000000	00000000	00000000	.....
03B0:	00000000	0001304E	090A0B0C	01020304	.....ON.....
03C0:	05060708	191A1B1C	0D0E0F10	191A1B1C	.....
03D0:	240E0F25	26271B1C	28271B1C	26271B1C	\$.%&'..' ('..&'..'
03E0:	28271B1C	1D1E1F20	21221323	01333435	('..... !".#.345
03F0:	01333436	37333438	01333435	01333436	.3467348.345.346
0400:	292A2B2C	2D2E2B2F	292A2B2C	3031322F	) *+, -. +/) *+, 012/
0410:	22393A3B	1516173F	1516173F	153C3D3E	"9:;...?...?.<=>

```

0420: 15161718 26271B1C 28271B1C 26271B1C .....&'..'('...&'..
0430: 28271B1C 191A1B1C 0D0E0F10 191A1B1C ('.....
0440: 240E0F25 02404142 02404344 45464748 $.%.@AB.@CDEFGH
0450: 45464749 45464748 4A464749 1516173F EFGIEFGHJFGI...?
0460: 1516173F 153C3D3E 15161718 004B4C00 ...?.<=>.....KL.
0470: 22393A3B 4D000000 01020304 00000000 "9;M.....
0480: 00000000 00000000 00000000 00000000 .....
0490: 00000000 00000000 00000000 00000000 .....
04A0: 00000000 00000000 00000000 00000000 .....
04B0: 00000000 00000000 00000000 00000000 .....
04C0: 00000000 00000000 00000000 00000000 .....
04D0: 00000000 00000000 00000000 00000000 .....
04E0: 00000000 00000000 00000000 00000000 .....
04F0: 00000000 00000000 00000000 00000000 .....
0500: 00000000 00000000 00000000 00000000 .....
0510: 00000000 00000000 00000000 00000000 .....
0520: 00000000 00000000 00000000 00000000 .....
0530: 00000000 00000000 00000000 00000000 .....
0540: 00000000 00000000 00000000 00000000 .....
0550: 00000000 00000000 00000000 00000000 .....
0560: 00000000 00000000 00000000 00000000 .....
0570: 00000000 00000000 00000000 00000000 .....
0580: 00000000 00000000 00000000 00000000 .....
0590: 00000000 00000000 00000000 00000000 .....
05A0: 00000000 00000000 00000000 00000000 .....
05B0: 00000000 00000000 4D544E00 00000000 .....MTN..... Here MTN for
05C0: 00000000 00000000 00000000 00000000 ..... "MnemoTroN"
05D0: 00000000 00000000 00000000 00000000 ..... who created ze
05E0: 00000000 00000000 00000000 00000000 ..... Soundtracker
05F0: 00000000 00000000 00000000 00000000 ..... 2.6
0600: 00000000 00000000 00000000 00000000 .....
0610: 00000000 00000000 00000000 00000000 ..... For the
0620: 00000000 00000000 00000000 00000000 ..... Ice-Tracker,
0630: 00000000 00000000 00000000 00000000 ..... there is
0640: 00000000 00000000 00000000 00000000 ..... "IT10"
0650: 00000000 00000000 00000000 00000000 .....
0660: 00000000 00000000 00000000 00000000 .....
0670: 00000000 00000000 00000000 00000000 .....
0680: 00000000 00000000 00000000 00000000 .....
0690: 00000000 00000000 00000000 00000000 .....
06A0: 00000000 00000000 00000000 00000000 .....
06B0: 00000000 00000000 00000000 00D64F04 .....ÖÖ.
06C0: 00000000 00D65000 00000000 00D66000 .....ÖP.....Ö`.
06D0: 00000000 00D67000 00000000 00D67000 .....Öp.....Öp.
06E0: 00000000 00D66000 00000000 00D65000 .....Ö`.....ÖP.
06F0: 00000000 00D64000 00000000 00D64000 .....Ö@.....Ö@.

```

### 1.34 \* Format Fuzzac Packer \*

```

*****
* ----- Heading model for << Fuzzac Packer >> ----- *
* -----
* ----- Provenance : Silents '90 "Tropical Sunset" Demo ----- *
*****

```

Thanks to Speedy (again) for this format !

For this format, the sample names have been kepted ! Goshh... unusual...

```

0000: 4D312E30 6D135354 2D35303A 53545249 M1.0m.ST-50:STRI
0010: 4E473239 45325244 44410000 00000000 NG29E2RDDA.....
0020: 00000000 00000000 00000000 00000000 .....
0030: 00000000 00000000 00000000 00000000 .....
0040: 00001BDE 00000000 00405354 2D30313A ...P.....@ST-01:
0050: 4D312D45 544F4D00 00000000 00000000 M1-ETOM.....
0060: 00000000 00000000 00000000 00000000 .....
0070: 00000000 00000000 00000000 00000000 .....
0080: 00000000 00000AAB 00000000 00405354 .....«.....@ST
0090: 2D30313A 4D312D48 48415443 00000000 -01:M1-HHATC....
00A0: 00000000 00000000 00000000 00000000 .....
00B0: 00000000 00000000 00000000 00000000 .....
00C0: 00000000 00000000 00000212 00000000 .....
00D0: 00405354 2D36363A 434F4F4C 42442E41 .@ST-66:COOLBD.A
00E0: 00000000 00000000 00000000 00000000 .....
00F0: 00000000 00000000 00000000 00000000 .....
0100: 00000000 00000000 00000000 0000038D .....
0110: 00000000 00405354 2D36363A 444D4353 .....@ST-66:DMCS
0120: 4E415245 00000000 00000000 00000000 NARE.....
0130: 00000000 00000000 00000000 00000000 .....
0140: 00000000 00000000 00000000 00000000 .....
0150: 000007F0 00000000 002B5354 2D30313A ...ð.....+ST-01:
0160: 41434F52 44000000 00000000 00000000 ACORD.....
0170: 00000000 00000000 00000000 00000000 .....
0180: 00000000 00000000 00000000 00000000 .....
0190: 00000000 00000CFC 0A5601C1 00405354 .....ü.v.Á.@ST
01A0: 2D30313A 4D312D53 42415353 33000000 -01:M1-SBASS3...
01B0: 00000000 00000000 00000000 00000000 .....
01C0: 00000000 00000000 00000000 00000000 .....
01D0: 00000000 00000000 000009BA 07670231 .....°.g.1
01E0: 00405354 2D32373A 444A5550 5452554D .@ST-27:DJUPTRUM
01F0: 4D410000 00000000 00000000 00000000 MA.....
0200: 00000000 00000000 00000000 00000000 .....
0210: 00000000 00000000 00000000 000014DC .....Ü
0220: 11BC02C2 00405354 2D30333A 43524943 .¼.Â.@ST-03:CRIC
0230: 4B455453 00000000 00000000 00000000 KETS.....
0240: 00000000 00000000 00000000 00000000 .....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00001043 039B0CA8 00405354 2D31303A ...C...".@ST-10:
0270: 4F524348 45535445 52310000 00000000 ORCHESTER1.....
0280: 00000000 00000000 00000000 00000000 .....
0290: 00000000 00000000 00000000 00000000 .....
02A0: 00000000 00000F86 00000000 00405354 .....@ST
02B0: 2D35303A 422D5041 4E464C55 54450000 -50:B-PANFLUTE..
02C0: 00000000 00000000 00000000 00000000 .....
02D0: 00000000 00000000 00000000 00000000 .....
02E0: 00000000 00000000 000003A2 00000000 .....ç.....
02F0: 00255354 2D31323A 4B59444B 4C415645 .%ST-12:KYDKLAVE
0300: 52000000 00000000 00000000 00000000 R.....
0310: 00000000 00000000 00000000 00000000 .....
0320: 00000000 00000000 00000000 00000DEE .....î
0330: 00000000 00300000 00000000 00000000 .....0.....

```

```

0340: 00000000 00000000 00000000 00000000 .....
0350: 00000000 00000000 00000000 00000000 .....
0360: 00000000 00000000 00000000 00000000 .....
0370: 00000000 00000000 00000000 00000000 .....

....break....

0800: 00000000 00000000 00000000 00000000 .....
0810: 00000000 00000000 00000000 00000000 .....
0820: 00000000 00000000 00000000 00000000 .....
0830: 00000000 00000000 00000000 00000000 .....
0840: 00002F62 40000040 00000440 00000840 ../b@...@...@ Here nb_pos &
0850: 00000C40 00001040 00001340 00001040 ...@...@...@...@ each pattern's
0860: 00001A40 00001E40 00002240 00001040 ...@...@..."@...@ tracks..
0870: 00002640 00002A40 00002E40 00001040 ..&@...*@...@...@
0880: 00001A40 00001E40 00002240 00003340 ...@...@..."@..3@
0890: 00003740 00003340 00003740 00003C40 ..7@..3@..7@..<@
08A0: 00004040 00004440 00004740 00003C40 ..@@..D@..G@..<@
08B0: 00004040 00003340 00003740 00005040 ..@@..3@..7@..P@
08C0: 00003740 00003340 00003740 00003C40 ..7@..3@..7@..<@
08D0: 00004040 00003C40 00004040 00001E40 ..@@..<@..@...@
08E0: 00002240 00003340 00003740 00005040 .."@..3@..7@..P@
08F0: 00003740 00005040 00003740 00005E40 ..7@..P@..7@..^@
0900: 00000140 00000540 00000940 00000D40 ...@...@...@...@
0910: 00001140 00001440 00001740 00001B40 ...@...@...@...@
0920: 00001F40 00002340 00001140 00002740 ...@..#@...@..'@
0930: 00002B40 00002F40 00003240 00003240 ..+@../@..2@..2@
0940: 00001F40 00002340 00003440 00002740 ...@..#@..4@..'@
    
```

### 1.35 \* Format Old-Kefrens Packer \*

```

*****
* ----- Heading model for << Old-Kefrens Packer >> ----- *
* ----- *
* ----- Provenance : Kefrens MegaDemo VII ----- *
*****
    
```

Yoooo ! Very old format in fact ! Maybe created by Razmo/Kefrens '89 !

And called "KEFRENS SOUND MACHINE" (thanks Marley)

This must be the precursor of UNIC & LAXITY formats ! ;-))

```

0000: 4D2E6576 696C2D67 686F756C 00000061 M.evil-ghoul...a
0010: 00000000 00000000 00000000 00000000 .....
0020: 01021C0F 08020A28 28282828 28282800 .....((((((( Rather strange
0030: 00001200 16F44000 00000000 00000000 .....ô@..... heading..
0040: 01021C0F 0E160411 02070E11 03282800 .....(((
0050: 000028F4 1A904000 00000000 00000000 ..(ô..@.....
0060: 01021C12 140F0411 13160812 13282800 .....(((
0070: 00004384 242E4000 00000000 00000000 ..C.$@.....
0080: 01001212 22282828 28282828 28282800 ...."(((((((
    
```

```

0090: 000067B2 25A24000 00000000 00000000 ..g$^2$%¢@.....
00A0: 120D0011 04232828 28282828 28282800 .....#((((((((
00B0: 00008D54 1F7E4000 00000000 00000000 ...T.~@.....
00C0: 01021C07 00110C0E 0D080212 28282800 .....((((
00D0: 0000ACD2 2C464000 00000000 00000000 ..\ensuremath{\lnot}\grave{O},F@.....
00E0: 0B040604 0D03020B 000F1F28 28282800 .....((((
00F0: 0000D918 06502000 00000000 00000000 ..Û..P .....
0100: 28282828 28282828 28282828 28282800 (((((((((((((((
0110: 0000DF68 00024000 00000000 00000000 ..ßh..@.....
0120: 28282828 28282828 28282828 28282800 (((((((((((((((
0130: 0000DF6A 00024000 00000000 00000000 ..ßj..@.....
0140: 28282828 28282828 28282828 28282800 (((((((((((((((
0150: 0000DF6C 00020000 00000000 00000000 ..ßl.....
0160: 28282828 28282828 28282828 28282800 (((((((((((((((
0170: 0000DF6E 00020000 00000000 00000000 ..ßn.....
0180: 28282828 28282828 28282828 28282800 (((((((((((((((
0190: 0000DF70 00020000 00000000 00000000 ..ßp.....
01A0: 28282828 28282828 28282828 28282800 (((((((((((((((
01B0: 0000DF72 00020000 00000000 00000000 ..ßr.....
01C0: 28282828 28282828 28282828 28282800 (((((((((((((((Only 15 samples
01D0: 0000DF74 00020000 00000000 00000000 ..ßt.....
01E0: 28282828 28282828 28282828 28282800 (((((((((((((((
01F0: 0000DF76 00020000 00000000 00000000 ..ßv.....
0200: 010D0000 01020304 01020304 01020504 ..... Track numbers
0210: 01020504 01020604 01020604 01020D00 ..... for each patt
0220: 0708090A 0708090A 0B0C080A 0708090A .....
0230: 0E080F0A 0E080F0A FF000000 00000000 .....
0240: 00000000 00000000 00000000 00000000 .....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00000000 00000000 00000000 00000000 .....
0270: 00000000 00000000 00000000 00000000 .....

```

....break....

```

05B0: 00000000 00000000 00000000 00000000 .....
05C0: 00000000 00000000 00000000 00000000 .....
05D0: 00000000 00000000 00000000 00000000 .....
05E0: 00000000 00000000 00000000 00000000 .....
05F0: 00000000 00000000 00000000 FFFFFFFF .....
0600: 00000000 00000000 00000000 00000000 ..... In $600 the
0610: 00000000 00000000 00000000 00000000 ..... notes
0620: 00000000 00000000 00000000 00000000 ..... start...
0630: 00000000 00000000 00000000 00000000 ..... track by track
0640: 00000000 00000000 00000000 00000000 .....
0650: 00000000 00000000 00000000 00000000 ..... Here, only
0660: 00000000 00000000 00000000 00000000 ..... blank
0670: 00000000 00000000 00000000 00000000 ..... notes
0680: 00000000 00000000 00000000 00000000 .....
0690: 00000000 00000000 00000000 00000000 .....
06A0: 00000000 00000000 00000000 00000000 .....
06B0: 00000000 00000000 00000000 00000000 .....
06C0: 1B10001B 1C201B1C 101B1000 19100019 ..... 2eme track
06D0: 1C201B10 001B1C20 1B1C101B 1C081B10 . . . . . etc...
06E0: 001B1C20 1E10001E 1C202010 00201C20 ... . . . .
06F0: 1B10001B 1C201B1C 101B1000 19100019 .....
0700: 1C201B10 001B1C20 1B1C101B 1C081B10 . . . . .
0710: 001B1C20 1E10001E 1C201910 00191C20 ... . . . .

```

```

0720: 1B10001B 1C201B1C 101B1000 19100019 .....
0730: 1C201B10 001B1C20 1B1C101B 1C081B10 . ....
0740: 001B1C20 1E10001E 1C202010 00201C20 ... ..
0750: 1B10001B 1C201B1C 101B1000 19100019 .....
0760: 1C201B10 001B1C20 1B1C101B 1C081B10 . ....
0770: 001B1C20 1E10001E 1C201910 00191C20 ... ..
0780: 19200000 00000000 00000000 19200000 . ....
0790: 00000000 00000000 00000000 00001920 .....
07A0: 00000000 00000000 00001920 00000000 .....
07B0: 1C200000 00000000 00000000 1C200000 . ....
07C0: 00000000 00000000 00000000 00001C20 .....
07D0: 00000000 00000000 00001C20 00000000 .....
07E0: 1E200000 00000000 00000000 1E200000 . ....
07F0: 00000000 00000000 00000000 00001E20 .....
    
```

### 1.36 \* Formats The Player v4.xx \*

```

*****
* ----- Heading model for << The Player v4.xx >> ----- *
* ----- *
* ----- Provenance : Various games, demos.. ----- *
*****
    
```

Format created by Jarno Paananen, who will strike back later with P5/P60A.

These formats were BETA VERSION ONLY !! They shouldn't be used at all... Especially not in games.... :(

```

0000: 50343041 1D220F00 00000212 00000100 P40A."..... P40A, P40B
0010: 000022D6 00000000 1F4F0000 1400154F .."Ö....O....O or P41A.
0020: 00000040 00003E9E 05470000 3E9E0001 ...@..>..G..>...
0030: 00000040 0000492C 06CD0000 492C0001 ...@..I,.Í..I,.. Rather usual
0040: 00000040 000056C6 06F70000 56C60001 ...@..VÆ.$\div$.VÆ.. heading...
0050: 00000040 000064B4 0A740000 64B40001 ...@..d'.t..d'..
0060: 00000032 0000799C 0A150000 799C0001 ...2..y.....y...
0070: 00000032 00008DC6 102B0000 9A2809FA ...2...Æ.+... (ú
0080: 00000028 0000AE1C 035E0000 AE1C0001 ...(@..^..@...
0090: 00000040 0000B4D8 03360000 B4D80001 ...@..'Ø.6..'Ø..
00A0: 00000040 0000BB44 031C0000 BB440001 ...@..»D....»D..
00B0: 00000040 0000C17C 0B7B0000 C17C0001 ...@..Á|.{..Á|..
00C0: 00000040 0000D872 089C0000 D8720001 ...@..Ør....Ør..
00D0: 00000040 0000E9AA 11360000 E9AA0001 ...@..éª.6..éª..
00E0: 00000040 00010C16 08850001 0C160001 ...@.....
00F0: 00000040 00011D20 00000001 1D200001 ...@... ..
0100: 00000000 000006F0 11981990 00140758 .....ð.....X Track offsets.
0110: 11FC19C8 001807B0 12541A0C 007007D8 .ü.È...\textdegree{.T...p.Ø
0120: 12C41A74 00800884 13301AA4 00800884 .Ä.t.....0.µ....
0130: 13301AA4 009008B8 13601AC0 00D408E4 .0.µ....\.À.Ô.ä
0140: 138C1B0C 01240948 13C41B50 0158097C .....$.H.Ä.P.X.|
0150: 13FC1B78 01B009C4 14481BA0 01FC0A1C .ü.x.\textdegree{.Ä.H.~.ü..
0160: 14801C1C 02640A4C 14B81C2C 02740A50 .....d.L.,.t.P
0170: 14F01C3C 02F40B50 15301C90 03080BE8 .ð.<.ô.P.0.....è
    
```



```

0180: 15741CD4 01240948 13C41B50 0158097C .t.Ô.$.H.Ä.P.X.|
0190: 13FC1B78 03780C18 15AC1CE4 03EC0C3C .ü.x.x...\ensuremath{\lnot}.ä.ì.<
01A0: 15D01D20 03EC0C3C 15D01D20 04380C60 .Đ. .ì.<Đ. .8.`
01B0: 16141D60 04E80CE8 16501DA0 052C0D4C ...`è.è.P.~.,.L
01C0: 16B41DF0 05400DB4 17041E64 05580E44 .´.đ.@.´...d.X.D
01D0: 17681F04 05640EAC 17C01F84 05880F14 .h...d.\ensuremath{\lnot}.Ä.....
01E0: 18181F88 05B00F58 185C1FB4 05B00F58 ..... \textdegree{.X.\.´.\textdegree ←
    { }.X
01F0: 185C1FB4 05E40FF4 18782038 05FC1034 .\.`.ä.ô.x 8.ü.4
0200: 18F02064 06CC10E0 19442084 06D4118C .đ d.Ï.à.D ..Ô..
0210: 198420B4 FFFF261C 0000000A 8100000A .. ´..&..... The notes...
0220: 8200000A 8300000A 8433261F 043F261F .....3&...?&.
0230: 04150004 C4000004 C8000004 CC000004 ....Ä...È...Ï...
0240: C8000004 C4000004 C3003A13 F0008001 È...Ä...Ä.:.đ...
0250: 00200004 C2002610 00000004 00FC0004 . ..Â.&.....ü..
0260: C4000004 00FE0004 C2000004 00FE0004 Ä...p..Â...p..
0270: C1000004 00FC0000 0001000A 0103000A Á...ü.....
0280: 0103000A 01018007 00188001 0020800B .....
0290: 003C000A 01018007 00188001 0020800B .<.....
02A0: 003C000A 0101261F 040F3E13 F000000C .<...&...>.đ...
02B0: 00003E13 F0033A10 00000004 C4000004 ..>.đ.:...Ä...
02C0: C6000004 C4003410 0000000A 0A003013 Æ...Ä.4.....0.
02D0: F000000A 0A002C13 F000000A 0A002610 đ....., .đ.....&.
02E0: 000F3E13 F001000C 000D3A70 00003E73 ..>.đ.....:p..>s
02F0: 04000003 00FE0000 00000004 91FE0004 .....p.....p..
    
```

### 1.37 \* Format Tracker Packer 1 \*

```

*****
* ----- Heading model for << Tracker Packer 1 >> ----- *
* -----
* ----- Provenance : TP1.Eini's Best ----- *
*****
    
```

First format from the "Tracker Packer" family ! By Crazy Crack / Complex.

Total length of module.

```

    ||
    ||
    \|
0000: 4D455858 0002A15A 65696E69 27735F62 MEXX..;Zeini's_b
0010: 65737400 00000000 00000000 0000282C est.....(,
0020: 00402215 1A4407D1 004057F6 25D13225 .@".D.Ñ.@Wö%Ñ2% sample_data
0030: 003A4A1C 1E722BAA 00000000 00000001 .:J..r+a.....
0040: 00401156 00000001 00252DEE 26C3072B .@.V.....%-î&Ã.+
0050: 00140012 00020010 00400897 00000001 .....@.....
0060: 00400C85 00000001 004002D0 00000001 .@.....@.Đ....
0070: 00400C5D 00000001 001C000A 00010008 .@.].....
0080: 004009BB 042F0571 00400B0C 00000001 .@.»./q.@.....
0090: 00000000 00000001 00000000 00000001 .....
00A0: 00000000 00000001 00000000 00000001 .....
00B0: 00000000 00000001 00000000 00000001 .....
00C0: 00000000 00000001 00000000 00000001 .....
00D0: 00000000 00000001 00000000 00000001 .....
00E0: 00000000 00000001 00000000 00000001 .....
    
```

00F0: 00000000 00000001 00000000 00000001	.....
0100: 00000000 00000001 00000000 00000001	.....
0110: 00000000 00000001 001C0001 06D40001	.....Ô.. track offsets
0120: 050F0001 031A0001 08A20001 0AFE0001	.....ċ...p..
0130: 0D590001 11E60001 0FBB0001 14400001	.Y...æ...»...@..
0140: 0FBB0001 166E0001 18950001 1A0D0001	.»...n.....
0150: 0FBB0001 166E0001 1BBD0001 1BBD0001	.»...n...½...½..
0160: 1E4D0001 1E4D0001 0AFE0001 0D590001	.M...M...p...Y..
0170: 11E60001 0FBB0001 166E0001 20DB0001	.æ...»...n.. Û..
0180: 23790001 20DB0001 23790001 260D0000	#y.. Û..#y..&...
0190: 00000000 00000000 00000000 00000000	.....
01A0: 00000000 00000000 00000000 00000000	.....
01B0: 00000000 00000000 00000000 00000000	.....
01C0: 00000000 00000000 00000000 00000000	.....
01D0: 00000000 00000000 00000000 00000000	.....
01E0: 00000000 00000000 00000000 00000000	.....
01F0: 00000000 00000000 00000000 00000000	.....
0200: 00000000 00000000 00000000 00000000	.....
0210: 00000000 00000000 00000000 00000000	.....
0220: 00000000 00000000 00000000 00000000	.....
0230: 00000000 00000000 00000000 00000000	.....
0240: 00000000 00000000 00000000 00000000	.....
0250: 00000000 00000000 00000000 00000000	.....
0260: 00000000 00000000 00000000 00000000	.....
0270: 00000000 00000000 00000000 00000000	.....
0280: 00000000 00000000 00000000 00000000	.....
0290: 00000000 00000000 00000000 00000000	.....
02A0: 00000000 00000000 00000000 00000000	.....
02B0: 00000000 00000000 00000000 00000000	.....
02C0: 00000000 00000000 00000000 00000000	.....
02D0: 00000000 00000000 00000000 00000000	.....
02E0: 00000000 00000000 00000000 00000000	.....
02F0: 00000000 00000000 00000000 00000000	.....
0300: 00000000 00000000 00000000 00000000	.....
0310: 00000000 00000000 000032AC 402C2C0C	.....2\ensuremath{\lnot}@,,. ←
notes...	
0320: 2C1C20C0 32AC30C0 C0C032AC 40C0C0C0	,. Å2\ensuremath{\lnot}0ÅÅÅ2\ ←
ensuremath{\lnot}@ÅÅÅ	
0330: 32AC20C0 C0C032AC 40C02C00 00C032AC	2\ensuremath{\lnot} ÅÅÅ2\ensuremath{\lnot} ←
lnot}@Å,..Å2\ensuremath{\lnot}	
0340: 30C0C0C0 32AC40C0 C0C032AC 20C0C0C0	0ÅÅÅ2\ensuremath{\lnot}@ÅÅÅ2\ ←
ensuremath{\lnot} ÅÅÅ	
0350: 32AC40B0 0D2C0000 C032AC30 C0C0C032	2\ensuremath{\lnot}@\textdegree{,..} ←
Å2\ensuremath{\lnot}0ÅÅÅ2	
0360: AC40C0C0 C032AC20 C02C0000 C032AC40	\ensuremath{\lnot}@ÅÅÅ2\ensuremath{\lnot} ←
lnot} Å,..Å2\ensuremath{\lnot}@	
0370: C0C0C032 AC30C0C0 C032AC40 C02C0000	ÅÅÅ2\ensuremath{\lnot}0ÅÅÅ2\ ←
ensuremath{\lnot}@Å,..	
0380: C032AC20 C02A0000 C032AC40 283C0E28	Å2\ensuremath{\lnot} Å*..Å2\ ←
ensuremath{\lnot}@((<.(	
0390: 000032BC 2032AC30 C0C0C032 AC40C0C0	..2¼ 2\ensuremath{\lnot}0ÅÅÅ2\ ←
ensuremath{\lnot}@ÅÅ	
03A0: C032AC20 C0C0C032 AC40C028 0000C032	Å2\ensuremath{\lnot} ÅÅÅ2\ensuremath{\lnot} ←
{\lnot}@Å(..Å2	
03B0: AC30C0C0 C032AC40 C0C0C032 AC20C0C0	\ensuremath{\lnot}0ÅÅÅ2\ensuremath{\lnot} ←
lnot}@ÅÅÅ2\ensuremath{\lnot} ÅÅ	

```

03C0: C032AC40 B00F2800 00320000 32AC30C0    À2\ensuremath{\lnot}@ \textdegree ←
      {...2..2\ensuremath{\lnot}0À
03D0: C0C032AC 40C0C0C0 32AC20C0 280000C0    ÀÀ2\ensuremath{\lnot}@ÀÀ2\ensuremath ←
      {\lnot} À(..À
03E0: 32AC40C0 C0C032AC 30C0C0C0 32AC40C0    2\ensuremath{\lnot}@ÀÀ2\ensuremath{\l ←
      lnot}0ÀÀ2\ensuremath{\lnot}@À
03F0: 280000C0 32AC20C0 2C0000C0 32AC4022    (..À2\ensuremath{\lnot} À,..À2\ ←
      ensuremath{\lnot}@"
```

### 1.38 \* Formats Tracker Packer 2 & 3 \*

```

*****
* ----- Heading model for << Tracker Packer 2&3 >> ----- *
* ----- *
* ----- Provenance : Various... ----- *
*****
```

This formats has been very very used for some months...  
 Intros Assembly 94, Music-disk COMPLEX "Seduction", demo COMPLEX "PeeWee",  
 demo BANANA DEZIGN "Wonko", intro Charts-12 "Exhausted" etc, etc....

Still written by Crazy Crack / Complex.

The specifik mark of Tracker Packer 2 is : MEXX\_TP2.

```

0000: 43504C58 5F545033 6D697865 64207570    CPLX_TP3mixed up
0010: 00000000 00000000 00000000 00A00140    .....~.@ sample_data
0020: 44002000 24000040 28001000 18000040    D. .$..@ (.....@
0030: 22000E00 14000040 20000C00 1400003E    ".....@ .....>
0040: 18DD0000 00010030 05280000 00010028    .Ý.....0.(.....(
0050: 03900000 00010028 04F50000 00010015    .....(õ.....
0060: 04E00000 00010028 01920000 00010033    .à.....(.....3 (Hi Clawz !)
0070: 10580000 0001002E 04A90000 0001013E    .X.....@.....>
0080: 01C30000 0001003E 02670000 0001013E    .Ã.....>.g.....>
0090: 024F0000 0001013E 0F420557 09EB0120    .O.....>.B.W.ë.
00A0: 0960057E 03E20030 0A800280 08000140    .`.~.â.0.....@
00B0: 1E6E0001 1E6D003B 0D410001 0D400017    .n...m;.A...@..
00C0: 00000008 00100018 00200028 00200030    ..... (. .0 patt_table
00D0: 00100048 00400040 00380050 00580060    ...H.@.@.8.P.X.` as in the
00E0: 00600078 00780080 00880070 00680000    .`.x.x.....p.h.. NoisePackers
00F0: 005500B6 00E70128 017F0197 01BB01EC    .U.¶.ç.(.....».ì
0100: 026600B6 02DD0332 03A10405 042C0481    .f.¶.Ý.2.j....,.. Track_offsets
0110: 026604FC 05330481 05BC04FC 063306B9    .f.ü.3...¼.ü.3.$^1$
0120: 073504FC 07AC0837 08B40911 097209AD    .5.ü.\ensuremath{\lnot}.7.'...r.
0130: 0A280A60 0AC10B21 03A10405 042C0B83    .(.`.Á.!.j....,..
0140: 0B970BAD 0BC20BD6 0C170C25 0C290C77    ... .Ã.Ö...%).w
0150: 0C780C7B 0CB10D07 0D110D90 0E000E24    .x.{.\ensuremath{\lpm}.....$
0160: 0EE40EED 0FAD1067 10F30EED 10F91153    .ä.í. .g.ó.í.ù.S
0170: 10F30EED 120D0E24 10F30EED 125812EC    .ó.í...$.ó.í.X.ì & the notes..
0180: 6F0E0194 FE94FE6F 0094FE94 FE94FE94    o...p.po..p.p.p.
0190: FE94FEFB 6F0094FF 94FE94FF 94FE94FF    p.pûo....p...p..
01A0: 94FF94FF 94FF94FF 94FFF96F 0094FE94    .....ùo..p.
01B0: FE6F0094 FE94FE94 FE94FE94 FEFB6F00    po..p.p.p.p.pûo.
01C0: 94FF94FE 94FF94FE 94FF94FF 94FF94FF    ...p...p.....
```

```
01D0: 94FF94FF F90D1C23 FD9822FF 9821FF98      ....ù..#ý."...!..
01E0: 20FF981F FE981EFF 981DFF98 1CFE981B      ...þ.....þ..
01F0: FF981AFF 9819FF98 18FF9817 FF9816FF      .....
```

### 1.39 \* Format NoiseTracker Pak \*

```
*****
* ----- Heading model for << NoiseTracker Pak >> ----- *
* ----- *
* ----- Provenance : Surburbia mix ----- *
*****
```

As its name tells, it's a compressed form of NoiseTracker.

Sample data..... pattern table, then the patterns starting with "PATT".

```
0000: 00000C14 0CE40040 00000001 000025DC      .....ä.@.....%Û
0010: 06A40040 00000001 00003324 125C0040      .¸.@.....3$.\.@
0020: 00000001 000057DC 11940040 00000001      .....WÜ...@....
0030: 00007B04 0E470040 02DE0B69 00009792      ..{..G.@.Ð.i....
0040: 05460040 00000001 0000A21E 03E80040      .F.@.....ç..è.@
0050: 00000001 00000000 00000000 00000001      .....
0060: 00000000 00000000 00000001 00000000      .....
0070: 00000000 00000001 00000000 00000000      .....
0080: 00000001 00000000 00000000 00000001      .....
0090: 00000000 00000000 00000001 00000000      .....
00A0: 00000000 00000001 00000000 00000000      .....
00B0: 00000001 00000000 00000000 00000001      .....
00C0: 00000000 00000000 00000001 00000000      .....
00D0: 00000000 00000001 00000000 00000000      .....
00E0: 00000001 00000000 00000000 00000001      .....
00F0: 00000000 00000000 00000001 00000000      .....
0100: 00000000 00000001 00000000 00000000      .....
0110: 00000001 00000000 00000000 00000001      .....
0120: 00000000 00000000 00000001 00000000      .....
0130: 00000000 00000001 00000000 00000000      .....
0140: 00000001 00000000 00000000 00000001      .....
0150: 00000000 00000000 00000001 00000000      .....
0160: 00000000 00000001 00000000 00000000      .....
0170: 00000001 12000001 02050404 04000303      ..... pattern_table
0180: 01020504 04040707 00000000 00000000      .....
0190: 00000000 00000000 00000000 00000000      .....
01A0: 00000000 00000000 00000000 00000000      .....
01B0: 00000000 00000000 00000000 00000000      .....
01C0: 00000000 00000000 00000000 00000000      .....
01D0: 00000000 00000000 00000000 00000000      .....
01E0: 00000000 00000000 00000000 00000000      .....
01F0: 00000000 00005041 54540083 00CD014D      .....PATT...Í.M      "PATT"
0200: 112F06FF 015170FF 015160FF 015120FF      ./...Qp..Q`...Q .
0210: 015120FF 015170FF 015160FF 01516051      .Q ..Qp..Q`...Q`Q
0220: 605120FF 015170FF 015160FF 015120FF      `Q ..Qp..Q`...Q .
0230: 015120FF 01516051 60FF0151 605160FF      .Q ..Q`Q`...Q`Q`.
0240: 015120FF 015170FF 015160FF 015120FF      .Q ..Qp..Q`...Q .
0250: 015120FF 015170FF 015160FF 01516051      .Q ..Qp..Q`...Q`Q
0260: 605120FF 015170FF 015160FF 015120FF      `Q ..Qp..Q`...Q .
```

```

0270: 015120FF 015160FF 035160FF 015110FF .Q ..Q`..Q`..Q..
0280: 0351104F 10FF0154 10FF0251 10FF0951 .Q.O...T...Q...Q
0290: 105410FF 015110FF 065110FF 014F10FF .T...Q...Q...O..
02A0: 034F10FF 014F10FF 015110FF 014F10FF .O...O...Q...O..
02B0: 034C10FF 064C304F 30FF0154 30FF0154 .L...L000..T0..T
02C0: 30FF0153 30FF0351 40FF0151 40FF0151 0..S0..Q@..Q@..Q
02D0: 40FF0151 40FF0151 40FF0151 40FF0151 @..Q@..Q@..Q@..Q
02E0: 40FF0151 40FF014D 40FF014D 40FF014D @..Q@..M@..M@..M
02F0: 40FF014D 40FF014D 40FF014D 40FF014D @..M@..M@..M@..M
0300: 40FF014D 40FF014F 40FF014F 40FF014F @..M@..O@..O@..O
0310: 40FF014F 40FF014F 40FF014F 40FF014F @..O@..O@..O@..O
0320: 40FF014C 40FF014C 40FF014C 40FF014C @..L@..L@..L@..L
0330: 40FF014C 40FF014C 40FF014C 40FF014C @..L@..L@..L@..L
0340: 40FF014C 40FF0151 50FF0F4D 50FF0F4F @..L@..QP..MP..O
0350: 50FF0D4C 50FF070C 3C300F3C 30FF0114 P..LP...<0.<0...
0360: 3C30FF01 143C30FF 01133C30 FF025041 <0...<0...<0..PA "PATT"
0370: 54540083 00CB014B 112F06FF 015170FF TT...Ë.K./...Qp.
0380: 015160FF 015120FF 015120FF 015170FF .Q`..Q ..Q ..Qp.
0390: 015160FF 01516051 605120FF 015170FF .Q`..Q`Q`Q`Q ..Qp.
03A0: 015160FF 015120FF 015120FF 01516051 .Q`..Q ..Q ..Q`Q
03B0: 60FF0151 605160FF 015120FF 015170FF `..Q`Q`..Q ..Qp.
03C0: 015160FF 015120FF 015120FF 015170FF .Q`..Q...Q ..Qp.
03D0: 015160FF 01516051 605120FF 015170FF .Q`..Q`Q`Q`Q ..Qp.
03E0: 015160FF 015120FF 015120FF 015160FF .Q`..Q ..Q ..Q`.
03F0: 035160FF 015110FF 015110FF 015110FF .Q`..Q...Q...Q.. etc...

```

### 1.40 \* Format Polka Packer \*

```

*****
* ----- Heading model for << Polka (?) Packer >> ----- *
* ----- *
* ----- Provenance : Several Polka Bros demos ----- *
*****

```

Very similar to WANTON PACKER !! Exactly the same pattern format...

Only some values change in the heading...

```

0000: 73746176 65203220 6B6F6E74 726F6C2E stave 2 kontrol. Header
0010: 61776B00 736C6964 652F706F 6C616B20 awk.slide/polak same as PTK
0020: 792E2E2E 00000007 2DD8085F 00400000 y.....-Ø_..@..
0030: 00015B63 5D727573 74792063 6172726F ..[c]rusty carro
0040: 74747320 00073E96 09760040 0F7001BE tts ..>..v.@.p.¾
0050: 00000000 00000000 00000000 00000000 .....
0060: 00000007 5182093F 00400000 00010000 ....Q..?.@..... except there
0070: 00000000 00000000 00000000 00000000 ..... is ze absolute
0080: 00076400 04D60140 00000001 00000000 ..d..Ö.@..... adress of each
0090: 00000000 00000000 00000000 00000007 ..... sample..
00A0: 6DAC0F0B 00300000 00010000 00000000 m\ensuremath{\lnot}...0.....
00B0: 00000000 00000000 00000000 00078BC2 .....Â
00C0: 0ADF0040 00000001 00000000 00000000 .B.@.....
00D0: 00000000 00000000 00000007 A1800715 .....j...
00E0: 00400AE2 01A40000 00000000 00000000 .@.â.π.....
00F0: 00000000 00000000 0007AFAA 15F60040 .....-a.ö.@ (7AFAA)

```

0100:	11C40D14	00000000	00000000	00000000	.Ä.....	
0110:	00000000	00000007	DB9610F5	0140210A	.....Û..õ.€!	(7DB96)
0120:	00640000	00000000	00000000	00000000	.d.....	
0130:	00000000	0007FD80	03D90040	00000001	.....ý..Û.€....	etc..
0140:	00000000	00000000	00000000	00000000	.....	
0150:	00000008	05320585	00400000	00010000	.....2...€.....	
0160:	00000000	00000000	00000000	00000000	.....	
0170:	0008103C	065F0140	009005DD	00000000	...<_.€...Ý....	
0180:	00000000	00000000	00000000	00000008	.....	
0190:	1CFA06D4	00400000	00010000	00000000	.ú.Ô.€.....	
01A0:	00000000	00000000	00000000	00082AA2	.....*ç	
01B0:	04C00140	00000001	00000000	00000000	.À.€.....	
01C0:	00000000	00000000	00000008	342204CF	.....4".İ	
01D0:	00400000	00010000	00000000	00000000	.€.....	
01E0:	00000000	00000000	00083DC0	05770240	.....=À.w.€	
01F0:	00000001	00000000	00000000	00000000	.....	
0200:	00000000	00000008	48AE0E2E	00400000	.....H@...€..	
0210:	00010000	00000000	00000000	00000000	.....	
0220:	00000000	0008650A	07D80040	00000001	.....e..Ø.€....	
0230:	00000000	00000000	00000000	00000000	.....	
0240:	00000008	74BA12FA	00400000	00010000	...t°.ú.€.....	
0250:	00000000	00000000	00000000	00000000	.....	
0260:	00089AAE	065F0040	00DA0594	00000000	..@_.€.Ú.....	
0270:	00000000	00000000	00000000	00000008	.....	
0280:	A76C05A9	00400000	00010000	00000000	\$l.€.€.....	
0290:	00000000	00000000	00000000	0008B2BE	.....\$^2\$¾	
02A0:	0F9B0040	07740BE1	00000000	00000000	...€.t.á.....	
02B0:	00000000	00000000	00000008	D1F40D9E	.....Ñô..	
02C0:	0040076E	09BB0000	00000000	00000000	.€.n.».....	
02D0:	00000000	00000000	0008ED30	126B0040	.....í0.k.€	
02E0:	00FA11EE	00000000	00000000	00000000	.ú.î.....	
02F0:	00000000	00000009	120611B0	00400368	.....\textdegree{ }.€.h	
0300:	0FFC0000	00000000	00000000	00000000	.ü.....	
0310:	00000000	00093566	124B0040	06180F2F	.....5f.K.€.../	
0320:	00000000	00000000	00000000	00000000	.....	
0330:	00000009	59FC27A3	00402172	16010000	...Yü'£.€!r....	
0340:	00000000	00000000	00000000	00000000	.....	
0350:	0009A942	4CBC0040	1F1A3D2F	00000000	..©BL¾.€..=/....	
0360:	00000000	00000000	00000000	0000000A	.....	
0370:	42BA36BC	004022E4	253B0000	00000000	B°6¾.€"ä%;.....	
0380:	00000000	00000000	00000000	000AB032	.....\textdegree{ }2	
0390:	00000000	00000001	73696473	74206765	.....sidst ge	
03A0:	6D743A20	31322F36	2027000A	B0320000	mt: 12/6 ' ..\textdegree{ }2..	
03B0:	00000000	00012B7F	001B1E08	02080A07	.....+..... pattern table	
03C0:	0C090D0E	0F101112	1314151D	16181914	.....	
03D0:	131A1C03	05061F20	21222324	25262728	..... !"#\$\$%&' (	
03E0:	292A2B00	00000000	00000000	00000000	)*+.....	
03F0:	00000000	00000000	00000000	00000000	.....	
0400:	00000000	00000000	00000000	00000000	.....	
0410:	00000000	00000000	00000000	00000000	.....	
0420:	00000000	00000000	00000000	00000000	.....	
0430:	00000000	00000000	5057522E	24070F03	.....PWR.\$... "PWR."	
0440:	3A090F96	10020103	00000C00	00000000	:..... and the notes	
0450:	00000000	12020310	00000000	00000000	.....	
0460:	00000000	00000310	00000000	00000000	.....	
0470:	00000000	00000310	00000000	120B0000	.....	
0480:	3A090C10	000004A1	00000000	00000000	:.....j.....	

```

0490: 00000000 00000400 00000000 00000000 .....
04A0: 00000000 00000400 00000000 00000206 .....
04B0: 00000000 00000400 00000000 00000206 .....
04C0: 3A090C20 00000400 38040000 00000206 :.. ....8.....
04D0: 000004A1 00000604 00000000 24070C10 ...j.....$.
04E0: 00000606 00000604 00000000 000004A1 .....j
04F0: 00000606 00000604 00000000 24070000 .....$.
0500: 00000606 00000604 00000000 00000C04 .....
0510: 00000606 00000606 00000000 00000000 .....
0520: 00000000 00000606 00000000 00000EBD .....½
0530: 00000000 00000606 00000000 00000EE3 .....ã
0540: 00000000 00000606 00000000 00000F01 .....
0550: 00000000 00000000 00000000 24070EC2 .....$.Â
0560: 00000000 00000000 00000000 00000000 .....
0570: 00000000 00000000 00000000 0E0B0000 .....
0580: 00000000 00000000 00000000 00000000 .....
0590: 00000000 00000000 00000000 00000EE5 .....å
05A0: 00000000 00000000 00000000 00000F03 .....
05B0: 00000000 00000000 00000000 2A070000 .....*...
05C0: 26090C1A 00000000 38040000 000004A2 &.....8.....ç
05D0: 28000310 00000000 00000000 00000400 (...
05E0: 00000310 00000000 00000000 00000400 .....
05F0: 00000310 00000000 00000000 00000602 .....

```

## 1.41 \* Format Power Music \*

This format is created by the tool "OPTIMOD" (by Joakim Ögren).

Very similar to a PTK mod, except that the \$7F becomes \$FF and when you select the "NEWPM" option, the "M.K." becomes "!PM!".

The patterns are not changed...

But the samples are (with NEWPM option).

It's a kind of "Delta Packing" to make them more packable...

## 1.42 \* Format Soundtracker Pro 3.0 \*

```

*****
* ----- Heading model for << Soundtracker Pro 3.0 >> ----- *
* ----- *
* ----- Provenance : STP3.Gyroscope ----- *
*****

```

I've discovered this format thanks to Ronny PASSENHEIM (Yoho!) who sent me 2 modules of this kind...

If anybody owns the tool itself, I'd like to see it ! Thanx

I think it's more like a STK-15 packer, than a PTK-31 ;)

Indeed, there are some "D10" effects which are in fact : "A01" (volslide \/  
As in some old STK-15 modules...

The "1" & "2" effects seem to be bad too.... strange...too fast !

That's why I'd like to see the original tool ! To check it...

```

0000: 53545033 00010840 00010203 02040001 STP3...@..... Mark...
0010: 00000000 00000000 00000000 00000000 ..... + patt table
0020: 00000000 00000000 00000000 00000000 .....
0030: 00000000 00000000 00000000 00000000 .....
0040: 00000000 00000000 00000000 00000000 .....
0050: 00000000 00000000 00000000 00000000 .....
0060: 00000000 00000000 00000000 00000000 .....
0070: 00000000 00000000 00000000 00000000 .....
0080: 00000000 00000000 00070000 0DE00002 .....à..
0090: 00000000 0032183B 18013C5F 1802183B .....2.;.<_...;
00A0: 18033C5F 1804183B 18053C5F 1806183B ..<_...;.<_...;
00B0: 18073C5F 1808183B 18013C5F 18097000 ..<_...;.<_...p.
00C0: 0F0000F0 000F8000 00040052 00020000 ...ð.....R.... sample_infos
00D0: 00000000 00000000 00000000 00000000 .....
00E0: 00000000 00000000 00000000 00006F72 .....or
00F0: 6967696E 616C2062 79000000 00000000 iginal by.....
0100: 00000000 00000000 00000000 00001A12 .....
0110: 22000000 09780000 0ABC0000 00000000 "...x...¼.....
0120: 00000003 00000000 00000000 00000000 .....
0130: 00000000 00000000 00000000 00000000 .....
0140: 00000000 6D616E69 61637320 6F66206E ...maniacs of n
0150: 6F697365 00000000 00000000 00000000 oise.....
0160: 00000000 26863F00 00000000 00000000 ...&?...?.....
0170: 00000000 00000000 00060000 00000000 .....
0180: 00000000 00000000 00000000 00000000 .....
0190: 00000000 00000000 00007768 69636820 .....which
01A0: 77617320 66726F6D 2E2E2E00 00000000 was from.....
01B0: 00000000 00000000 000007D0 30000000 .....Ð0...
01C0: 00000000 00000000 00000000 00000008 .....
01D0: 00000000 00000000 00000000 00000000 .....
01E0: 00000000 00000000 00000000 00000000 .....
01F0: 6F726967 696E616C 20627900 00000000 original by.....
0200: 00000000 00000000 00000000 00000000 .....
0210: 19702F00 00000000 00000000 00000000 .p/.....
0220: 00000000 00000040 00040325 0F700223 .....@...%.p.# the patterns..
0230: 00000825 00370825 00000000 00000000 ...%.7.%.
0240: 00000000 00370000 00000325 00000000 .....7.....%.
0250: 00000000 00370828 00000000 00000000 .....7.(.....
0260: 00000000 00370000 0000062B 00000000 .....7.....+.....
0270: 00000825 0037082C 00000000 00000000 ...%.7.,.....
0280: 00000000 00370000 00000325 00000000 .....7.....%.
0290: 00000000 00370828 00000000 00000000 .....7.(.....
02A0: 00000000 00370000 00000325 00000221 .....7.....%.!
02B0: 00000825 00370825 00000000 00000000 ...%.7.%.
02C0: 00000000 00370000 00000325 00000000 .....7.....%.

```



```

02D0: 00000000 00370828 00000000 00000000 .....7.(.....
02E0: 00000000 00370000 0000062B 0000021F .....7.....+....
02F0: 00000825 0037082C 00000000 00000000 ...%.7.,.....
0300: 00000000 00370000 00000325 00000000 .....7.....%....
0310: 00000000 00370828 00000000 00000000 .....7.(.....
0320: 00000000 00370000 00000324 00000224 .....7.....$...$
0330: 00000824 00480824 00000000 00000000 ...$.H.$.....
0340: 00000000 00480000 00000324 00000000 .....H.....$....
0350: 00000000 00480827 00000000 00000000 .....H.'.....
0360: 00000000 00480000 0000062B 00000000 .....H.....+....
0370: 00000824 0048082C 00000000 00000000 ...$.H.,.....
0380: 00000000 00480000 00000324 00000000 .....H.....$....
0390: 00000000 00480827 00000000 00000000 .....H.'.....
03A0: 00000000 00480000 00000324 00000223 .....H.....$...#
03B0: 00000824 00480824 00000000 00000000 ...$.H.$.....
03C0: 00000000 00480000 00000324 00000000 .....H.....$....
03D0: 00000000 00480827 00000000 00000000 .....H.'.....
03E0: 00000000 00480000 0000062B 00000000 .....H.....+....
03F0: 00000824 0048082C 00000000 00000000 ...$.H.,.....

```

### 1.43 \* Format Zen-Packer \*

```

*****
* ----- Heading model for : << Zen Packer >> ----- *
* ----- *
* ----- Provenance : Valeansininen Huivi by HeatBeat ----- *
*****

```

First, I found this format in the Stellar "Darkroom" intro by Dweezil,  
music by Strobo.

Then, a friend gave me "Valeansininen Huivi", tunes by HeatBeat,  
so I decided to include this format in Pro-Wizard. (Hi Axel !)

Its name is "Zen Packer", done by Dweezil/Stellar in 1992.

Here is the description :

~~~~~

The first LONGWORD (0000252E) is the offset to add to reach the patt\_table  
(stored after the patterns themselves, yes..)

Then come 2 bytes : (19) : number of patterns -1,  
(1F) : number of positions in the tune.

Then, the usual "sample-data" table is starting...

(Finetune.w, Volume.w, Length.w, Replen.w, Start Addy.l & Repeat Addy.l)

Note about Darkroom, don't try to convert it directly from the demo-file,  
the samples are packed, so Pro-Wizard won't recognize the module.  
Just use the SCAN BUFFER option ! ;)

|       |          |          |          |          |                                      |
|-------|----------|----------|----------|----------|--------------------------------------|
| 0000: | 0000252E | 191F0000 | 00260236 | 00010000 | ..%.....&.6....                      |
| 0010: | 25AE0000 | 25AE0000 | 00260A1F | 00010000 | %@..%@...&.....                      |
| 0020: | 2A1A0000 | 2A1A0000 | 00200A3D | 00010000 | *...*.... .=....                     |
| 0030: | 3E580000 | 3E580000 | 0020059E | 00010000 | >X..>X... .....                      |
| 0040: | 52D20000 | 52D20000 | 00200B08 | 00010000 | RÒ..RÒ... .....                      |
| 0050: | 5E0E0000 | 5E0E0000 | 00195A03 | 00010000 | ^...^.....Z.....                     |
| 0060: | 741E0000 | 741E0000 | 00200D38 | 00010001 | t...t.... .8....                     |
| 0070: | 28240001 | 28240000 | 00290B91 | 00010001 | (\$..(\$...)).....                   |
| 0080: | 42940001 | 42940000 | 002C08D8 | 00010001 | B...B...., Ø....                     |
| 0090: | 59B60001 | 59B60000 | 00300486 | 00010001 | YŦ..YŦ...0.....                      |
| 00A0: | 6B660001 | 6B660000 | 0030465F | 00010001 | kf..kf...0F_....                     |
| 00B0: | 74720001 | 74720000 | 00120C48 | 00010002 | tr..tr....H....                      |
| 00C0: | 01300002 | 01300000 | 00000000 | 00010002 | .0...0.....                          |
| 00D0: | 19C00002 | 19C00000 | 00290F12 | 00010002 | .À...À...)).....                     |
| 00E0: | 19C00002 | 19C00000 | 004045F1 | 00010002 | .À...À...@Eñ....                     |
| 00F0: | 37E40002 | 37E40000 | 002005B9 | 00010002 | 7ä..7ä... .\$^1\$....                |
| 0100: | C3C60002 | C3C60000 | 00400E91 | 00010002 | ÃÆ..ÃÆ...@.....                      |
| 0110: | CF380002 | CF380000 | 004012D6 | 00010002 | ï8..ï8...@.Ö....                     |
| 0120: | EC5A0002 | EC5A0000 | 004015B5 | 00010003 | iZ..iZ...@.\$\mathrm{\mu}\$....      |
| 0130: | 12060003 | 12060000 | 00400A05 | 00010003 | .....@.....                          |
| 0140: | 3D700003 | 3D700000 | 0040084F | 00010003 | =p..=p...@.O....                     |
| 0150: | 517A0003 | 517A0000 | 00201417 | 00010003 | Qz..Qz... .....                      |
| 0160: | 62180003 | 62180000 | 00000000 | 00010003 | b...b.....                           |
| 0170: | 8A460003 | 8A460000 | 00000000 | 00010003 | .F...F.....                          |
| 0180: | 8A460003 | 8A460000 | 00202A00 | 0A000003 | .F...F... *.....                     |
| 0190: | 8A460003 | CA460000 | 002035F0 | 16000003 | .F...ÊF... 5ð....                    |
| 01A0: | DE460004 | 1E260000 | 00203E00 | 16000004 | ƆF...&... >.....                     |
| 01B0: | 4A260004 | 9A260000 | 00000000 | 00010004 | J&...&.....                          |
| 01C0: | C6260004 | C6260000 | 00200FF6 | 00010004 | Æ&..Æ&... .ö....                     |
| 01D0: | C6260004 | C6260000 | 00201168 | 00010004 | Æ&..Æ&... .h....                     |
| 01E0: | E6120004 | E6120000 | 00000000 | 00010005 | æ...æ.....                           |
| 01F0: | 08E20005 | 08E20000 | 0F050141 | A0000200 | .â...â.....A~... Then, here in       |
| 0200: | 0FD80327 | 9C0C0728 | 03010B00 | 03000D00 | .Ø.'...((..... \$1F6, start          |
| 0210: | 0C1F0F00 | 03001100 | 0C1E1240 | 9C141300 | .....@.... the patterns.             |
| 0220: | 03001500 | 0C1D1900 | 0C1C1D00 | 0C1B1E40 | .....@.....                          |
| 0230: | 0C042044 | C0002100 | 0C142500 | 0C0C3100 | .. DÀ!...%...1. Only the used        |
| 0240: | 0C073241 | B0003500 | 0C063700 | 04813900 | ..2A\textdegree{.}5...7...9. notes ← |
|       | are      |          |          |          |                                      |
| 0250: | 0C053B00 | 04823D00 | 0C043E00 | 0C1F3F00 | ..;...=...>...?. stored...           |
| 0260: | 04824100 | 0C034200 | 0C1E4300 | 04824500 | ..A...B...C...E.                     |
| 0270: | 0C024600 | 0C1D4700 | 04824900 | 0C014A00 | ..F...G...I...J. No ZERO.            |
| 0280: | 0C1C4B00 | 04824D00 | 0C004E00 | 0C1B4F00 | ..K...M...N...O.                     |
| 0290: | 0C085200 | 0C1A5300 | 0C035600 | 0C195A00 | ..R...S...V...Z.                     |
| 02A0: | 0C185E00 | 0C176044 | CC106200 | 0C166329 | ..^...`DÌ.b...c)                     |
| 02B0: | 6C0A6600 | 0C156A00 | 0C146E00 | 0C137140 | l.f...j...n...q@                     |
| 02C0: | 9C137200 | 0C127600 | 0C0C8040 | 9C10813D | ..r...v....@...=                     |
| 02D0: | A0008200 | 0C078300 | 0A608600 | 0C068700 | ~.....`.....                         |
| 02E0: | 0A608A00 | 0C058B00 | 0A608D00 | 0C1F8E00 | ..`.....`.....                       |
| 02F0: | 0C048F00 | 0A60903E | 0C069100 | 0C1E9200 | .....`>.....                         |
|       | (.....)  |          |          |          |                                      |
| 2470: | 00008A44 | 00008B41 | 6C068D00 | 0C1F903B | ...D...Al.....;                      |
| 2480: | 9C149100 | 0C1E9245 | 0C309500 | 0C1D9900 | .....E.0.....                        |
| 2490: | 0C1C9D00 | 0C1BA030 | 03F0A100 | 0C14A244 | .....~0.ðj...çD                      |



In the header, you will find the absolute addresses of the samples in memory as they were when running the demo.

Here, I must thank "LOL" for sending me this format ! (Helloooo!)

Indeed, I have never tried to rip these tunes in memory !!  
You just have to extract the Protracker-tunes from the bigfiles composing the "Ilyad" demo ! There are tons of XPK'ed files, joined together...

But, for those who're used to rip in memory, here is the format :

```

0000: 696C7961 642D3032 63000000 00000000 ilyad-02c.....
0010: 00000000 72656C65 61736564 20627920 ...released by
0020: 7A6F6C74 6172000F 6AF43B2F 0A400000 zoltar..jô;/.@..
0030: 00016F6E 20323974 68206A75 6C792031 ..on 29th july 1
0040: 39393400 000FE152 6FEB0020 00000001 994...áRoë. ....
0050: 00000000 00000000 00000000 00000000 .....
0060: 00000010 C1285146 0F400000 00010000 ...Á(QF.@.....
0070: 00000000 00000000 00000000 00000000 .....
0080: 001163B4 178F0040 00000001 00000000 ..c'...@.....
0090: 00000000 00000000 00000000 00000011 .....
00A0: 92D23BF8 0A380000 00010000 00000000 .Ò;ø.8.....
00B0: 00000000 00000000 00000000 00120AC2 .....Â
00C0: 28AA0040 00000001 00000000 00000000 (^.@.....
00D0: 00000000 00000000 00000012 5C163E51 .....\.>Q
00E0: 00350000 00010000 00000000 00000000 .5.....
00F0: 00000000 00000000 0012D8B8 11770040 .....ø,.w.@
0100: 00000001 00000000 00000000 00000000 .....
0110: 00000000 00000012 FBA63F96 00380000 .....û|?...8..
0120: 00010000 00000000 00000000 00000000 .....
0130: 00000000 00137AD2 1FCF0040 071B1851 .....zÒ.Ï.@...Q
0140: 00000000 00000000 00000000 00000000 .....
0150: 00000013 BA700F14 00400000 00010000 ....°p...@.....
0160: 00000000 00000000 00000000 00000000 .....
0170: 0013D898 00000000 00000001 00000000 ..ø.....
0180: 00000000 00000000 00000000 00000013 .....
0190: D8980874 00200000 00010000 00000000 ø..t. ....
01A0: 00000000 00000000 00000000 0013E980 .....é.
01B0: 14420040 00000001 00000000 00000000 .B.@.....
01C0: 00000000 00000000 00000014 12041908 .....
01D0: 00400000 00010000 00000000 00000000 .@.....
01E0: 00000000 00000000 00144414 0F440040 .....D..D.@
01F0: 00000001 00000000 00000000 00000000 .....
0200: 00000000 00000014 629C48A8 0E400000 .....b.H".@..
0210: 00010000 00000000 00000000 00000000 .....
0220: 00000000 0014F3EC 1AD90030 00000001 .....óì.Û.0....
0230: 00000000 00000000 00000000 00000000 .....
0240: 00000015 299E2A78 00100000 00010000 ....)*x.....
0250: 00000000 00000000 00000000 00000000 .....
0260: 00157E8E 038C0E40 00000001 00000000 ..~...@.....
0270: 00000000 00000000 00000000 00000015 .....
0280: 85A60000 00000000 00010000 00000000 .|.....
0290: 00000000 00000000 00000000 001585A6 .....|
02A0: 2C000020 00000001 00000000 00000000 ,... ..

```

```

02B0: 00000000 00000000 00000015 DDA63DD0 .....Ý|=Ð
02C0: 00400000 00010000 00000000 00000000 .@.....
02D0: 00000000 00000000 00165946 00000000 .....YF....
02E0: 00000001 00000000 00000000 00000000 .....
02F0: 00000000 00000016 59460000 00000000 .....YF.....
0300: 00010000 00000000 00000000 00000000 .....
0310: 00000000 00165946 00000000 00000001 .....YF.....
0320: 00000000 00000000 00000000 00000000 .....
0330: 00000016 59460000 00000000 00010000 ....YF.....
0340: 00000000 00000000 00000000 00000000 .....
0350: 00165946 00000000 00000001 00000000 ..YF.....
0360: 00000000 00000000 00000000 00000016 .....
0370: 59460000 00000000 00010000 00000000 YF.....
0380: 00000000 00000000 00000000 00165946 .....YF
0390: 00000000 00000001 00000000 00000000 .....
03A0: 00000000 00000000 00000016 59460000 .....YF..
03B0: 00000000 00011B7F 01020304 05060709 .....
03C0: 080A0B0C 0D0E0F10 11121413 15161616 .....
03D0: 19171800 00000000 00000000 00000000 .....
03E0: 00000000 00000000 00000000 00000000 .....
03F0: 00000000 00000000 00000000 00000000 .....
0400: 00000000 00000000 00000000 00000000 .....
0410: 00000000 00000000 00000000 00000000 .....
0420: 00000000 00000000 00000000 00000000 .....
0430: 00000000 00000000 48525421 02360000 .....HRT!.6..
0440: 0E360000 223C0000 00000000 00000000 .6.."<..... Note format:
0450: 00000000 00000000 00000000 00000000 .....
0460: 00000000 00000000 00000000 00000000 ..... .sample_nb *2
0470: 00000000 00000000 00000000 00000000 ..... .note_nb *2
0480: 00000000 00000000 00000000 00000000 ..... .cmd
0490: 00000000 00000000 00000000 00000000 ..... .value
04A0: 00000000 00000000 00000000 00000000 .....
04B0: 00000000 00000000 00000000 00000000 ..... = 4 bytes each
04C0: 00000000 00000000 00000000 00000000 .....
04D0: 00000000 00000000 00000000 00000000 .....
04E0: 00000000 00000000 00000000 00000000 .....
04F0: 00000000 00000000 00000000 00000000 .....
0500: 00000000 00000000 00000000 00000000 .....
0510: 00000000 00000000 00000000 00000000 .....
0520: 00000000 00000000 00000000 00000000 .....
0530: 00000000 00000000 00000000 02360000 .....6..
0540: 0E360000 223C0000 00000000 00000000 .6.."<.....
0550: 00000000 00000000 00000000 00000000 .....
0560: 00000000 00000000 00000000 00000000 .....
0570: 00000000 00000000 00000000 00000000 .....
0580: 00000000 00000000 00000000 00000000 .....
0590: 00000000 00000000 00000000 00000000 .....
05A0: 00000000 00000000 00000000 00000000 .....
05B0: 00000000 00000000 00000000 00000000 .....
05C0: 00000000 00000000 00000000 00000000 .....
05D0: 00000000 00000000 00000000 00000000 .....
05E0: 00000000 00000000 00000000 00000000 .....
05F0: 00000000 00000000 00000000 00000000 .....

```

By the way, I definitely prefer the tunes from "Odyssey" by Greg ! :)

End Of File ! See you all in the next version !!

Bye Bye!

====> GRYZOR <====

---