

Hex	55	AA	55	AA	00	03	32	DC	84	ED	84	7C	00	01	39	76
	00	01	00	00	00	11	10	4F	06	F2	A2	47	00	01	39	76
	D4	8D	ED	84	74	36	4C	84	0A	00	00	00	0B	00	00	00
	0C	00	00	00	0D	00	00	00	94	8A	A1	86	94	8A	A1	86
	04	20	98	76	10	00	00	00	00	00	10	00	00	01	39	66
	D0	00	00	00	14	00	20	03	E8	13	88	00	08	00	64	00
	00	00	00	00	00	00	00									

### Constant values

SW version

HW version

Model ID

Offset 0x06 - Checksum-16 from offset 0x0000000040 to end of file

Size of date

Last two bytes - CRC16 from offset 0x0000000040 to [Size of data]

Satelites: 105 2 x 52 !!!!

Header

Len: 0x06h (6)

Hex E0 00 00 00 69 02

Number of bytes [hex]

Number of records [hex]

Data

Len: 0x34h (52)

Hex 01 00 82 48 6F 74 62 69 72 64 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 00 00 00 01 02 01 00  
00 00 00

LNB Type 00 - ??  
01 - 9750/10600

22 kHz 00 - ??  
01 - ??  
02 - Auto

Switch Mode 00 - ??  
01 - DiSEqC A  
02 - DiSEqC B  
03 - .....

Position (degree) [hex] 00 00  
W = 360 - x (0x0168 - x)  
E = x

Transponders:  $2242\ 140 * 16 = 2240$  !!!

Header

Len: 0x08 (7)

Hex E1 00 00 08 C2 00 8C

Number of bytes [hex]

Number of records [hex]

Data

Len: 0x0F (16)

01 3E 2E 7C 2A 8C 6B 6C 00 03 00 00 00 00 00 00

Network ID [hex]

Transponder [hex]

Frequency [hex]

FEC [hex]

Polarization [dec] 00 – horizontal

01 – vertical

Symbol rate [dec] 00 – 1/2

01 – 3/5

02 – 2/3

03 – 3/4

04 – 4/5

05 – 5/6

06 – 8/9

07 – 9/10

Satelite 00 – Hotbird

01 – Astra

n - xxxxxxxx

Modulation [dec] 00 – DVB-S QSPK

01 – DVB-S2 8SPK

02 – DVB-S2 QSPK

Pilot [dec] 00 – OFF

01 – ON

Roll Off [dec] 00 – 20

01 – 25

02 – 35

Not used

Channels: 70492       $1300 * 44 = 57200$        $302 * 44 = 13288$        $70488 + 2(\text{radio}) = 70490$   
!!

[illegible]

Header

Len: 0x08h (8)

Hex E2 00 01 13 5C 05 14

Number of bytes [hex]

Number of records [hex]

## Data

Len: 0x2Ch (44)

```
Hex 05 10 DF 54 56 4E 20 54 75 72 62 6F 00 00 00 00 00
    00 00 00 00 00 00 00 00 00 00 01 0C 02 08 02 DA
    00 94 00 01 00 00 00 00 00 00 00 00
```

Service ID [hex]

Channel name [hex]

Video PID [hex]

Audio PID [hex]

Pmt PID [hex]

Pcr PID [hex]

PID Mode	00 – off
	01 – on

Scrambled      00 – off  
                     01 - on

Locked      00 – off  
                 01 - on

Transponder [hex]

Favorites: 4837

Section header

Len: 0x08h (8)

Hex E3 00 00 11 72

Number of bytes [hex]

Number of records [hex]

Data header

Len:

Hex 12 DE 43 79 66 72 61 2B 00 00 00 00 00 00 00 00  
00 00 00 00 00 00 00 00 00 00 54

Number of favorite channels [hex] max. 0x64h (100)  
*Numbered from 1*

Data

Len: 0x07h (7)

Hex 00 00 00 00 00 00 00

Channel number [hex]  
*Numbered from 0*