

DM500S



DVB -

Smartcard
Linux



1.

1.	.....	- 2 -
2.	/	- 4 -
3.	.....	- 5 -
3.1.	.....	- 5 -
3.2.	.....	- 5 -
3.3.	.....	- 5 -
3.4.	/	- 5 -
4.	.....	- 5 -
4.1.	.....	- 5 -
4.2.	.....	- 5 -
4.3.	(« »)	- 5 -
4.4.	.....	- 5 -
4.5.	(« »)	- 5 -
4.6.	Scart	- 5 -
4.7.	(Toslink)	- 5 -
4.8.	.....	- 6 -
4.9.	.....	- 6 -
5.	.....	- 7 -
6.	.....	- 8 -
7.	.....	- 8 -
8.	.....	- 9 -
9.	.....	- 10 -
10.	.....	- 11 -
11.	/	- 12 -
12.	.....	- 12 -
13.	.....	- 13 -
14.	.....	- 14 -
14.1.	-	- 15 -
14.2.	-	- 15 -
14.3.	-	- 16 -
14.4.	-	- 16 -
15.	-	- 17 -
16.	-	- 17 -
16.1	-	- 17 -
17.	.....	- 18 -
18.	.....	- 18 -
19.	.....	- 19 -
20.	.....	- 20 -
21.	.....	- 21 -
22.	.....	- 21 -
23.	.....	- 22 -
24.	-	- 23 -
25.	-	- 24 -
26.	-	- 25 -
27.	.....	- 26 -
27.1.	/	- 26 -
27.2.	/	- 26 -

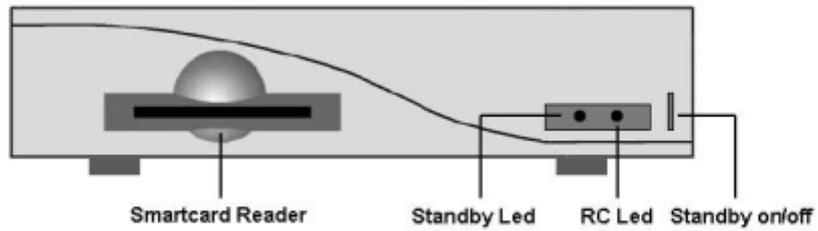
28.	/	.....	- 27 -
29.	/	.....	- 28 -
30.		.....	- 29 -
30.1.		.....	- 29 -
30.2.		.....	- 30 -
30.3.	TuxText.....		- 31 -
31.	-	(TuxText)	- 31 -
32.		.....	- 33 -
32.1.	(, LAN)		- 34 -
32.2.	(, WAN (DSL))		- 35 -
32.3.		.....	- 35 -
32.4.		.....	- 36 -
32.5.		.....	- 36 -
32.6.		.....	- 36 -
33.	-	/	- 37 -
34.	DreamUp -	.....	- 38 -
34.1.	DreamUp	.....	- 39 -
34.2.	DreamUp -	.....	- 40 -
34.3.	DreamUp -	.....	- 42 -
35.		.....	- 45 -
36.		.....	- 46 -

: Dreambox DM500S CE ,

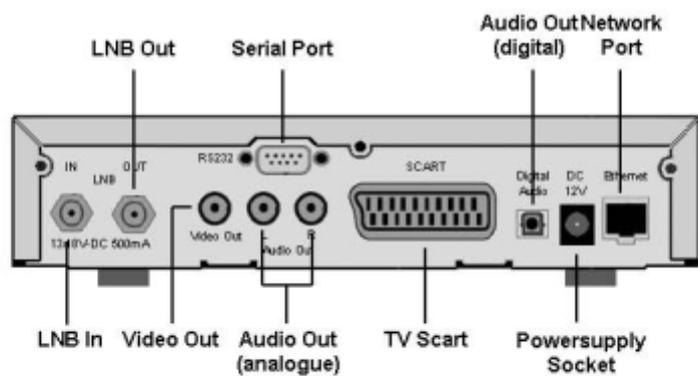
: 2004 / Rev 1.0
: 1.05

2. /

:



:



3.

3.1.

Dreamcrypt
Dreamcrypt – Dream-Multimedia-TV GmbH.

3.2.

, Dreambox

3.3.

3.4. /

4.

4.1.

LNB

4.2.

Dreambox

4.3. (« »)

4.4.

«DreamUp – »

4.5. (« »)

(/ Dreambox). SAT, AUX « Tape. » HiFi-

4.6. Scart

Scart Dreambox.

4.7. (Toslink)

HiFi- Dreambox DSP. Dreambox (Toslink) 16 48
AC3, Dolby Digital

4.8.

4.9.

FTP, NFS, Telnet – Ethernet
Samba

HTTP,

«DreamUp – »

6.

DM500S :

1 Dreambox 500S
1
1
1
2 (1,5V / AA / LR6)

:

1

7.

- 2 AA (1,5V) , «+» «-»,

- Dreambox, «
».

- (LNB) Dreambox

- Dreambox Scart .

- 12V/1A.

- Dreambox ,

- Dreambox ,

- (CVBS) .

- « / »

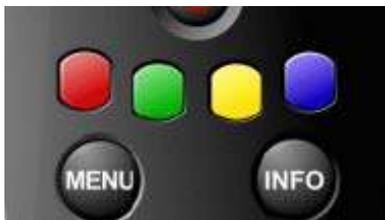
8.



9.

Dreambox

(, , ,)



EXIT

OK

=
=
- =
+ =



10.



. « / ».

Dreambox.



EXIT -



INFO -



OK -



MENU-



11.

/

Dreambox.

Dreambox



3

«

/

».



OK

_____:

Dreambox

_____:

«

»

12.

3

«

OK.

».



240

13.

MENU

OK,

()-> OSD Settings () Setup () -> System Settings ("Show Mainmenu like Listbox")



_____ :
_____ :
_____ :
_____ :
_____ :

Dreambox.

OK,



" " ,
 " " ,
 " 16:9, 4:3. ,
 " Dolby Digital" , Dolby
 Digital.



14.1.

-



EPG.

EPG.

OK

EXIT

14.2.

-



« ».

OK,

_____:

_____:

« »

14.3.



OK

OK

14.4.



OK

15. - **MENU**
 Setup () -> System Settings () -> OSD Language ().



OK

16. - **MENU**
 Setup () -> System Settings () -> Time Settings () -> Timezone Configuration ().



OK

OK

OK.

- 16.1. - **MENU**
 Setup () -> System Settings () -> Time Settings () -> Time Correction ().



. Dreambox

17.

Setup (**MENU**) -> Service Searching () -> Satellite Configuration ().



OK.

18.

Setup (**MENU.**) -> Service Searching () -> Satfind ().



BER

(SNR)

(AGC)

0

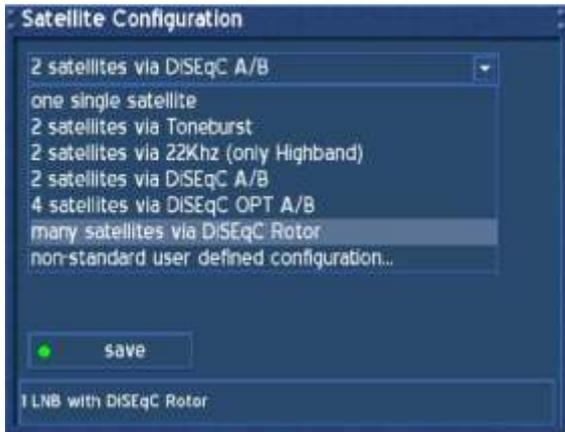
SNR:

AGC:

BER:

19.

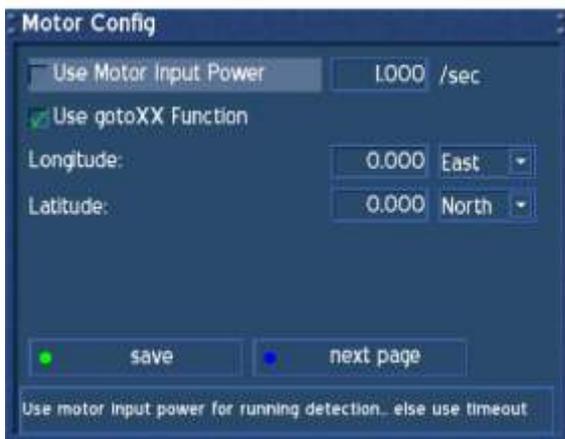
Setup (MENU) -> Service Searching () -> Motor Setup ().



« », «many satellites via DiSEqC Rotor (DiSEqC)» OK,



Motor Setup () (3) « » OK.



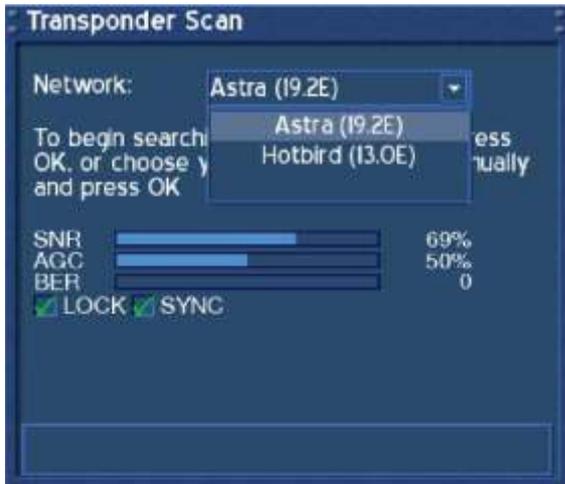
«Use Motor Input Power ()»

Website <http://www.heavens-above.com>

« ».

20.

Setup (MENU) -> Service Searching () -> Automatic Transponder Scan



OK.



C

«no circ polariz ()».



OK

21.

Setup (**MENU**) -> Service Searching () -> Automatic Multi Scan ().



OK



OK

«No ()»

22.

Setup (**MENU**) -> Service Searching () -> Manual Transponder Scan ().



OK

OK

23.

Setup (**MENU**) -> Service Searching () -> Transponder Edit ()



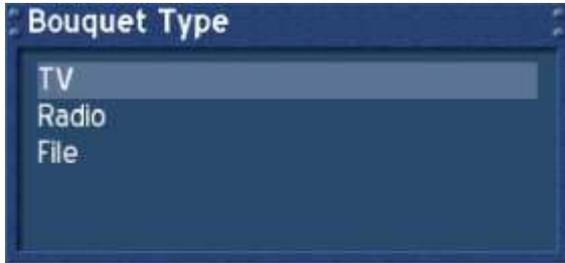
OK «SAT»,
 OK «Add»,
 OK «Edit»,
 OK «Remove»,



_____ :
 NIT /
 (NIT =)
 _____ :
 NIT
 _____ :
 NIT
 _____ *BAT* :
 (BAT =)

24.

Setup (**MENU**) -> Service Organising () -> Create new Bouquet ().



Dreambox.

TV () **OK.**



OK



OK.

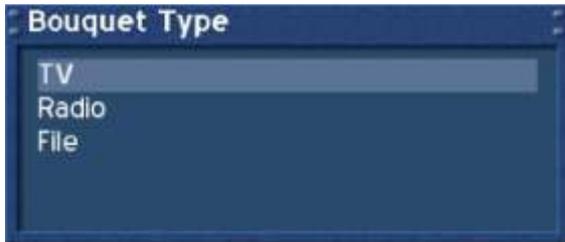
Edit Bouquets ()

() **OK.**

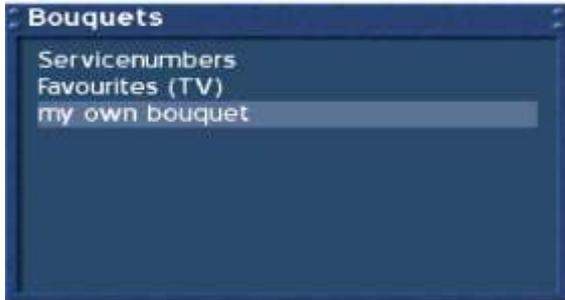
EXIT

25.

Setup (MENU) -> Service Organising () -> Add services to Bouquet ().



TV() OK.



"my own bouquet"

OK.



services

Astra (19.2E) -

Astra (19.2E) - services

OK.



OK.

OK

EXIT.

».

«

Edit bouquets ()

«

»

OK.

()

OK.

OK.

26.

Setup (**MENU**) -> Service Organising () -> Edit bouquets ()



OK.

()



OK

EXIT

27.

Setup (MENU) -> Parental Lock ().



«Setup lock ()»
 Setup (PIN).
 «
 »
 ».
 :
 PIN ,
 » ()».

27.1.

Setup (MENU /) -> Parental Lock ().



«Parental lock
 ()».
 «change PIN (PIN)».
 OK
 PIN .
 «Hide locked services ()».
 «Parental lock
 PIN)»
 OK

27.2.

Setup (MENU /) -> Parental Lock ().



«Setup lock ()».
 «change PIN
 PIN .
 OK
 PIN .
 «Setup lock ()»
 PIN .
 OK

28.

/



TV(),

MENU.



OK

MENU

«lock/unlock»



PIN

/ PIN

29.

Setup (/ MENU) -> System Settings () -> A/V Settings ()



OK

Color Format ():
CVBS(FBAS), **RGB** (), **SVideo** ()
YPbPr ()

Aspect Ratio ():
4:3 letterbox (), (16:9, 4:3,

)
4:3 panscan (16:9
 4:3,

)
16:9 (16:9
 16:9, 4:3

)
always 16:9 (16:9, 4:3

TV System ():
PAL, PAL+ PAL60, Multinorm

NTSC
Multinorm.

Auto VCR switching ():

disable WSS on 4:3 (WSS 4:3):
 16:9 4:3

AC3 default output (AC3):
 Digital), Dreambox AC3 (Dolby
 AC3

Dreambox Dolby Digital
 , AC3 /
 ()

30.

Setup (**MENU**) -> System Settings () -> OSD Settings ().



Alpha (_____): _____

Brightness (_____): _____

Contrast (_____): _____

Show Mainmenu like Listbox (_____): _____

Change skin (_____): _____

« _____ ».

TuxText position (_____ TuxText): _____

« _____ TuxText ».

30.1.

Setup (**MENU**) -> System Settings () -> OSD Settings ().



Dreambox

OK

30.2.



Bluenigma BIG



Neutrino-Style



Screwed Stone



Silver Metal



Simple and Stylish



Carbon

30.3.

TuxText

MENU

Setup () -> System Settings ()

-> OSD Settings (TuxText).

TuxText.

HELP



OK

31.

TuxText? TuxText
Dreambox

(TuxText)



OK,

« ».

OK

«Teletext ()».

TuxText interactive Navigation (TuxText):

OK

OK



EXIT

TuxText viewing options (TuxText):

«Volume Mute ()»

TuxText.

Volume +

Volume -

PIG (

).

16:9,

4:3)

TuxText Configurations menu (TuxText):

MENU

TuxText.

Teletext ():

OK

Aspect Ratio ():

16:9

= TuxText

/

16:9.

OK

16:9

TextPicture =

/

16:9

PIG

OK

:

4:3

Scart

PIN 8

12

16:9

PIN 8

4:3

6

4:3

Brightness ():

1/3

1/3.

TuxText

OK

national Codepage ():

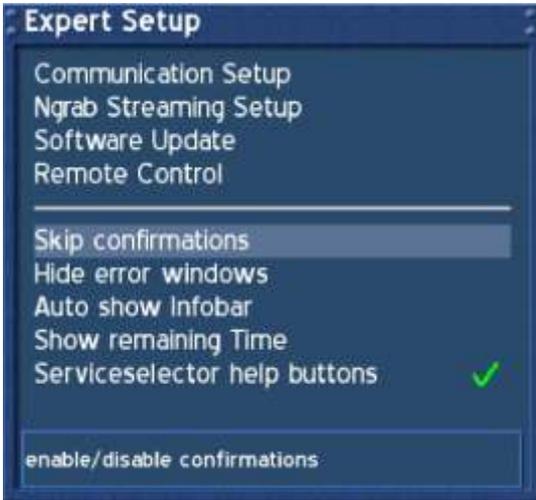
=

/

OK

32.

Setup (**MENU**) -> Expert Setup ().



Skip confirmations (_____):

OK

Hide error windows (_____):

OK

« _____ ».

Auto show InfoBar (_____):

OK

Show remain Time (_____):

OK

Serviceselector help buttons (_____):

OK

32.1. (, LAN)

MENU
Setup () -> Expert Setup () ->



IP:
IP . IP
Host IP

Netmask:
Netmask. Netmask
Host IP

Type:
LAN ();
LAN.

WAN/PPPoE () / ()
Ethernet);
Internet, (, DSL
Dreambox).
WAN.

Nameserver:
IP DNS . DNS
IP
Internet DNS.
LAN,
Dreambox

Gateway:
IP
Internet

Configure Network:

Port 80:
HTTP , , Dreambox.
80.

_____ :
DHCP DHCP LAN,
DHCP DHCP IP
Dreambox.
DHCP.
DHCP IP
DHCP pool.

32.2. (, WAN (DSL))

Setup (MENU) -> Expert Setup ()

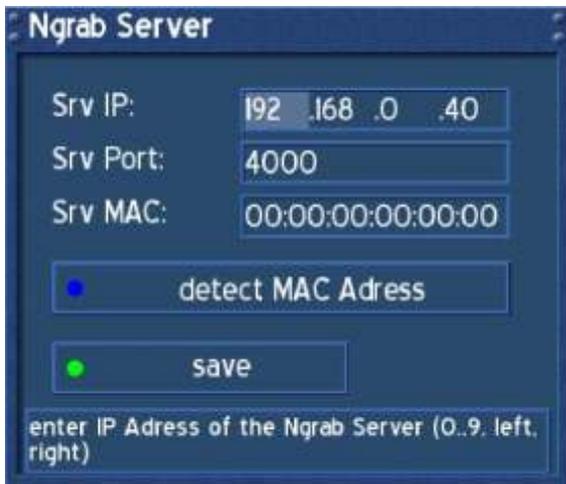


() -> Communication Setup ().

WAN(PPoE). OK
 Dreambox
 DSL
 T-DSL
 T-Com
Login: ISP
 (Internet).
Password: ISP.
 Dreambox (firewall)
 :
 80 HTTP, 23 Telnet, 137, 138, 139 Samba 21 FTP.

32.3

Setup (MENU) -> Expert Setup ()



() -> Ngrab Streaming Setup

Srv IP: IP
Srv MAC: MAC

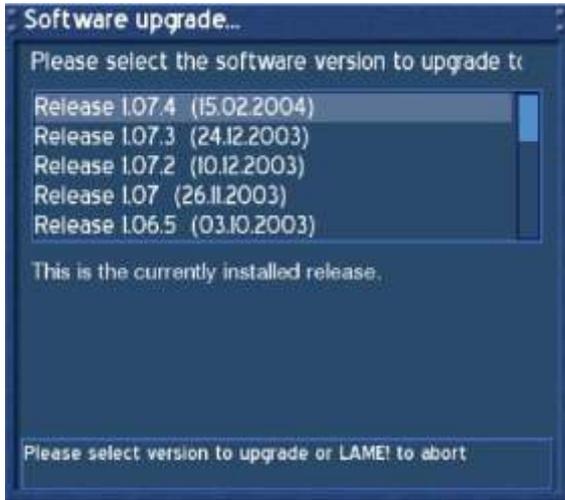
WOL (

APM (

Srv Port: . MAC
 LAN),
).

32.4.

Setup (MENU) -> Expert Setup () -> Software Update () ->

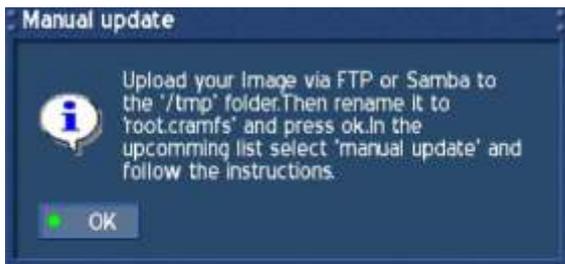


DSL , Dreambox

OK

32.5.

Setup (MENU) -> Expert Setup () -> Software Update () ->



Dreambox LAN.

<http://www.dm500.com>

32.6.

Setup (MENU) -> Expert Setup () -> Remote Control ().



"Next Char Timeout"

33.

MENU
Information ()



OK

About

OK

EXIT



34. DreamUp –



DreamUp

Dreambox 500S
www.dm500.com

Website

Dreambox.

COM2)

Windows, (COM1
(-).

IP Windows (W98,W2K,XP):

-> -> "Command" -> (Enter).
«ipconfig/all» (Enter). IP

IP Windows, Windows.

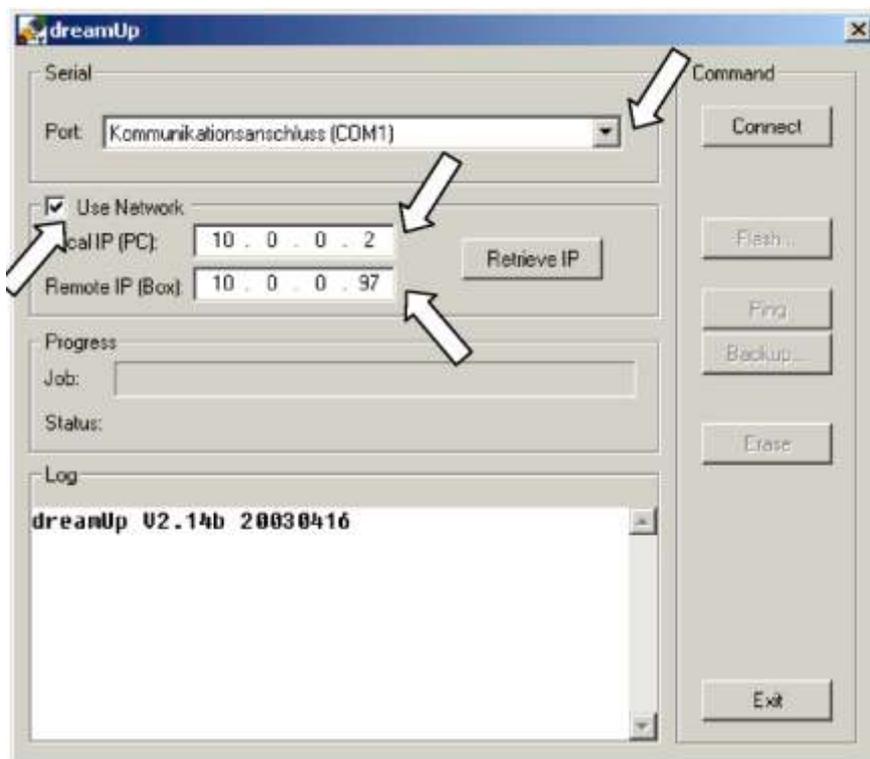
```
Ethernetadapter "LAN-Verbindung":
Verbindungsspezifisches DNS-Suffix:
Beschreibung . . . . . : 3Com EtherLink 10/100 PCI TX NIC (3C905B-TX)
Physikalische Adresse . . . . . :
DHCP-aktiviert . . . . . : Nein
IP-Adresse . . . . . : 10.0.0.2
Subnetzmaske . . . . . : 255.0.0.0
Standardgateway . . . . . :
DNS-Server . . . . . :
Primärer WINS-Server . . . . . :
```



IP

34.1. DreamUp –

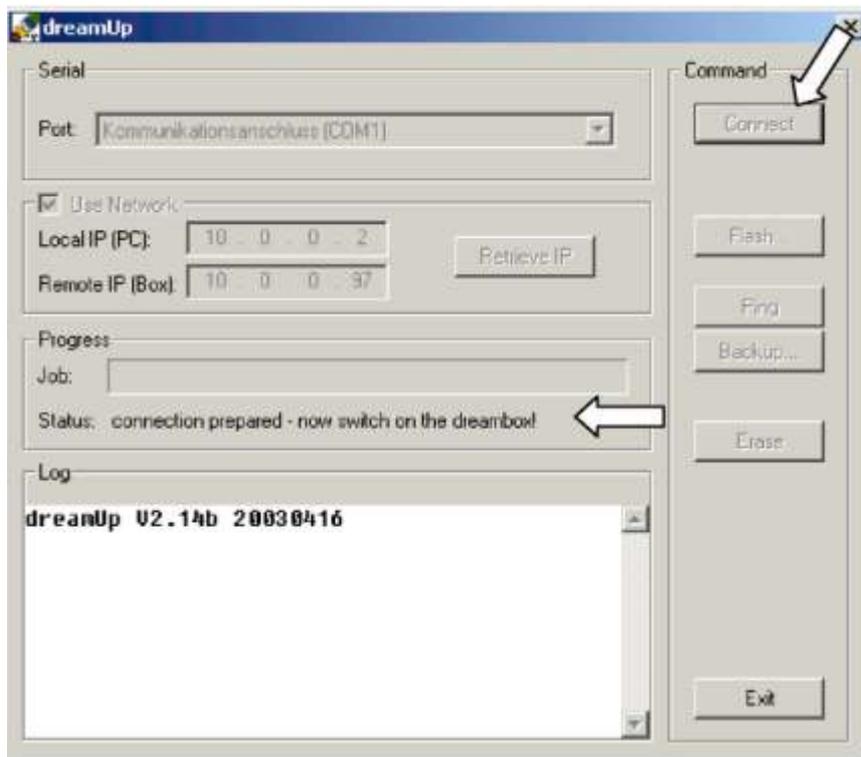
DreamUp DM500S PC.
COM , Dreambox.
"Use Network"
IP – **"Local IP (PC)"**.
IP Dreambox – **"Remote IP (Box)"**, 10.0.0.97.
IP LAN, Dreambox
Hub, Switch
Dreambox, IP



DreamUp

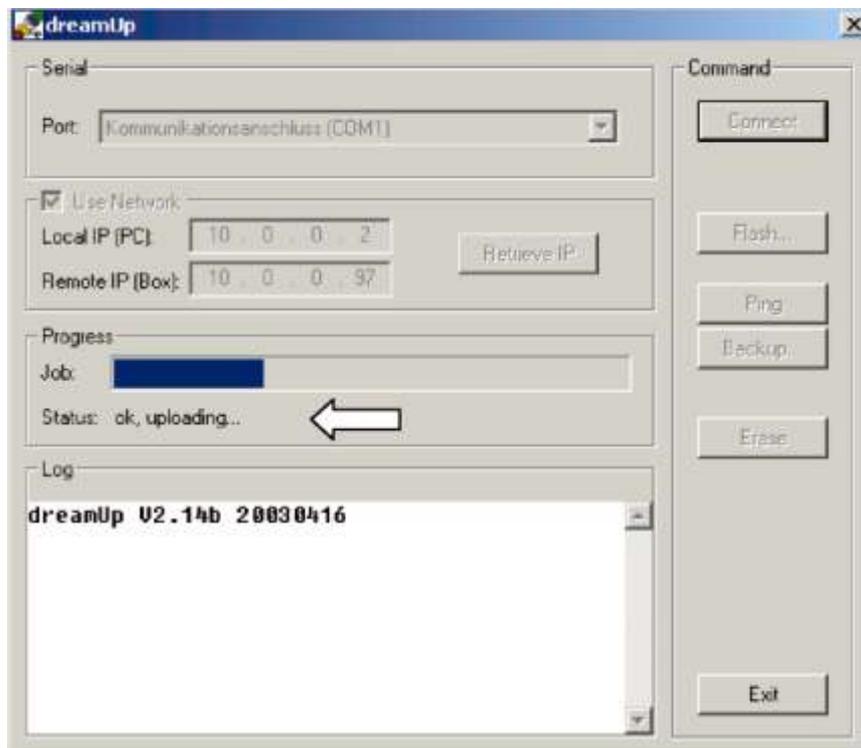
34.2. DreamUp –

Connect.



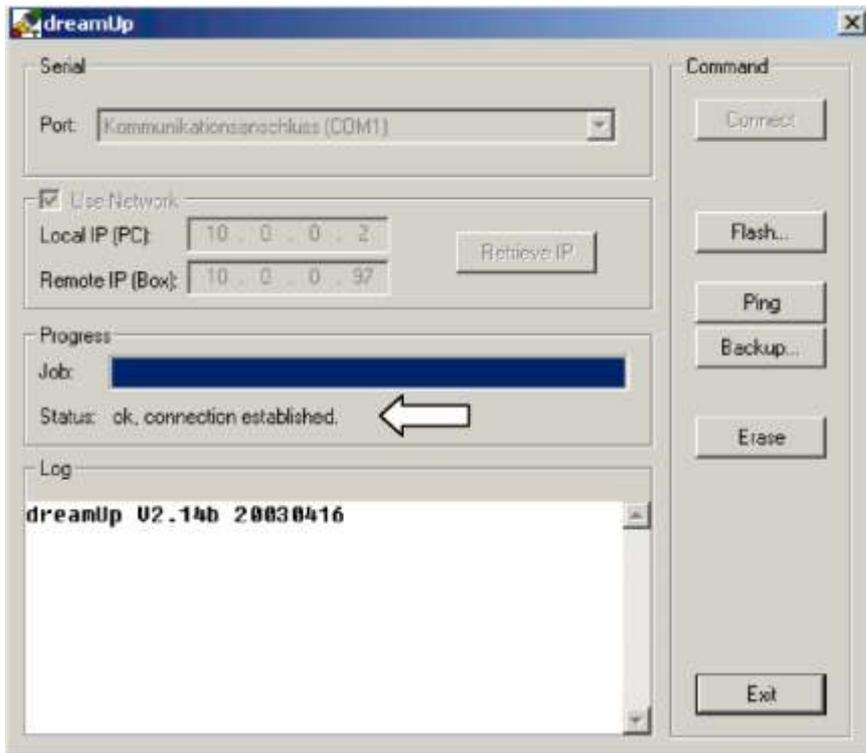
DreamUp

Dreambox.



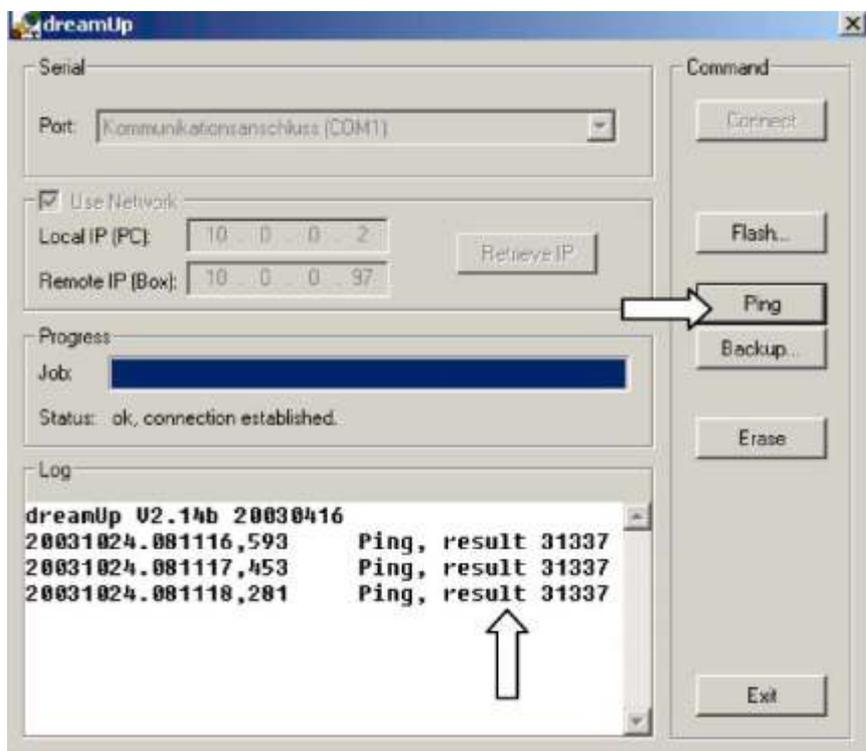
DreamUp

Dreambox,



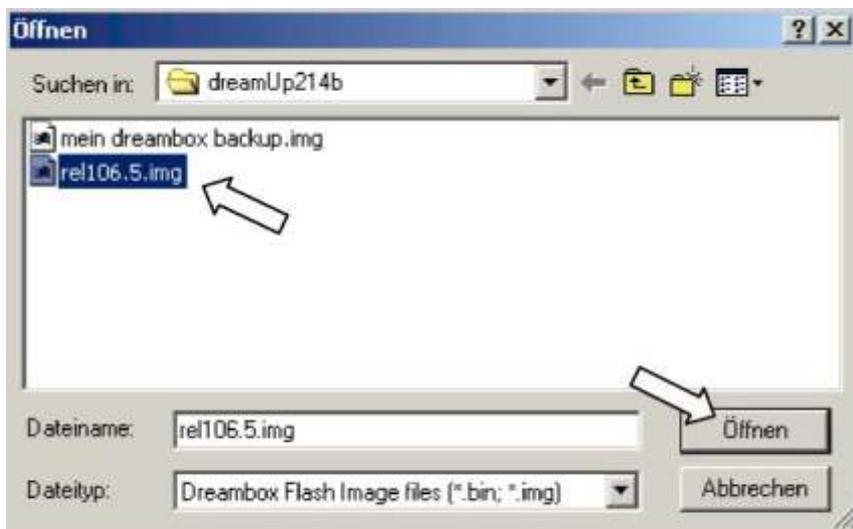
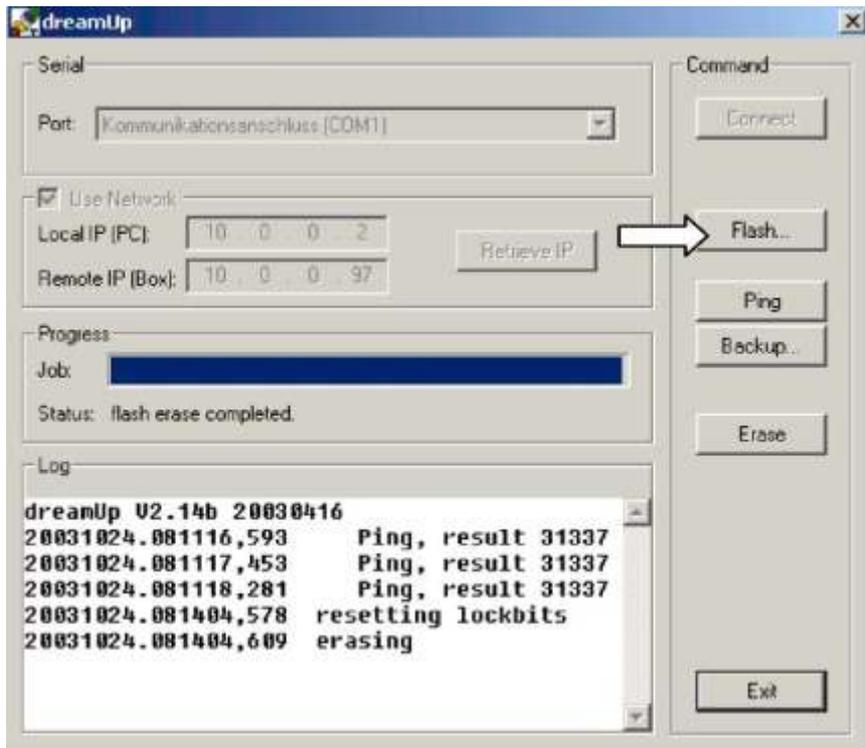
Ping
Log.

Ping



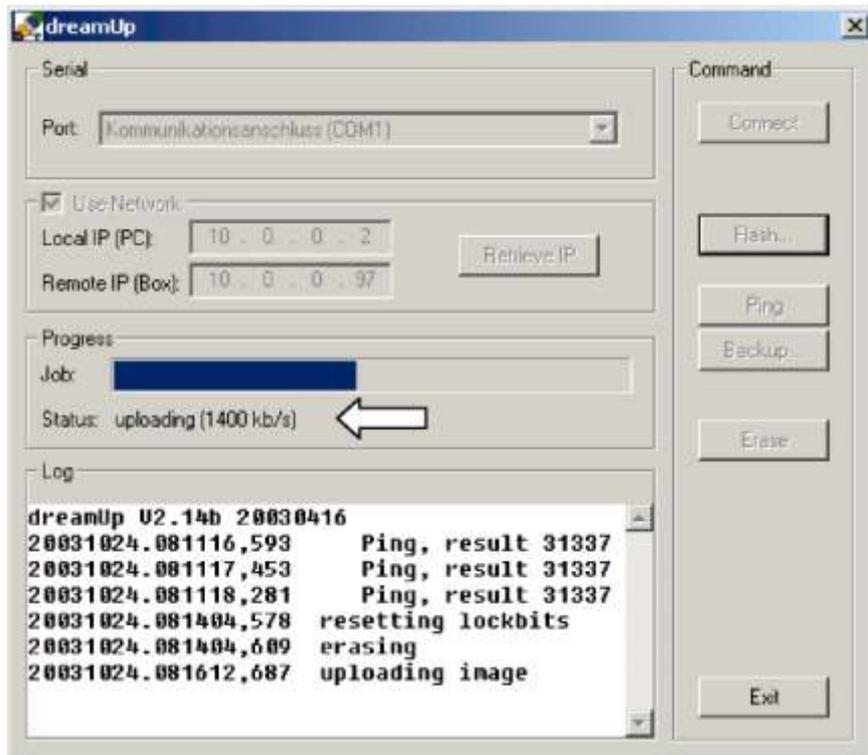
34.3. DreamUp –

Flash

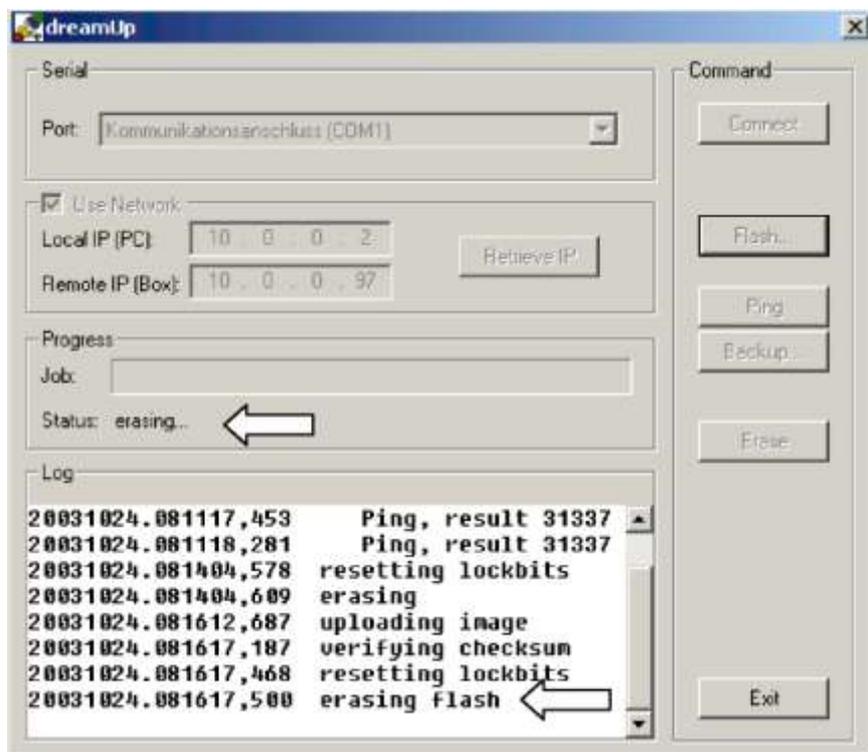


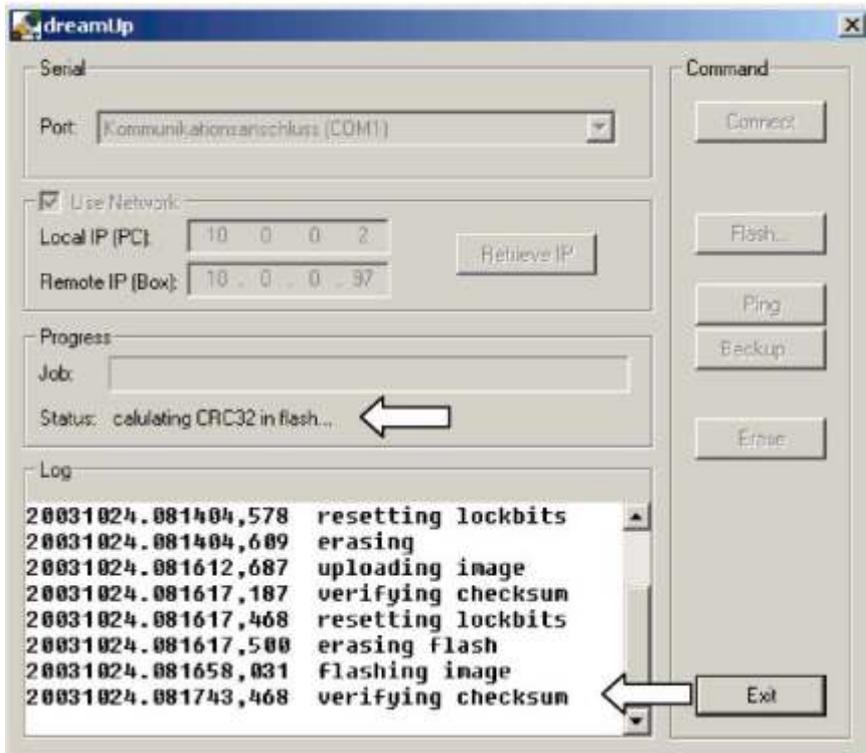
Dreambox.

Log



Log

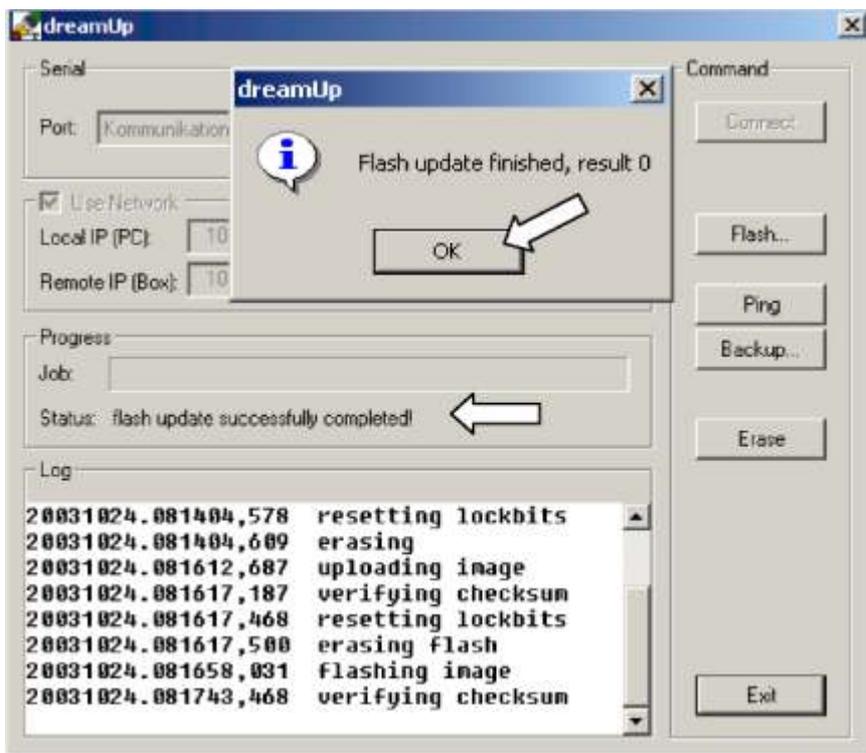




update finished, result 0».

OK

«Flash



35.

250 MHz IBM PowerPC Processor (350 Mips)
Linux open source (most parts under the terms of GPL, accordingly expandable)- Supports Linux Standard API (Direct-FB, Linux-FB, LIRC)
1 x Smartcard-Reader
MPEG2 Hardware decoding (fully DVB compliant)
Common available NIMs (DVB-S, DVB-T, DVB-C)
100 MBit full duplex Ethernet Interface
V.24/RS232 Interface
32 MByte of RAM
unlimited channel lists for TV/Radio
channel-change time < 1 second
full automatic service scan
supports directly bouquet-lists (indirect unlimited)
supports EPG (electronic program guide)
supports videotext (insertion)
various applications such Web-Browser or Mail-clients
supports multiple LNB-Switching control (supports DiSEqC)
fully adaptable OSD in many languages (skin-support)
SPDI/F Interface for digital bit stream out (AC-3 / DTS)
1 x Scart-interface (fully controlled by software)
Audio Cinch Out
Video Cinch Out

DBS-Tuner:

Frequency Range 950 2150 MHz
Signal Level - 65 dBm - 25 dBm
Signal-to-Noise Level 12 dB max.
DBS-Tuner Input Connector F-Type female
Input Impedance 75 Ohm
AFC +/- 3 MHz
Demodulation Shaped QPSK
Input Symbol rate 2 45 Mbaud/s, SCPC / MCPC
FEC Viterbi and Reed-Solomon
Viterbrate 1/2, 2/3, 3/4, 5/6, 7/8, automatic assimilation
Roll-off Factor 35 %
Demultiplexing according ISO 13818-1

Video decoder:

Video Compression MPEG-2 and MPEG-1 compatible Video Standard PAL G/ 25 Hz Video Formats 4:3 / 16:9 Footage 16:9, automatic assimilation for 16:9 TV-Device (over Scart) Letterbox precolating for 4:3 TV-Device

Audio decoder:

Audiocompression MPEG-1 & MPEG-2 Layer I and II Audio Mode Dual (main/sub), Stereo Frequency: 32 kHz, 44.1 kHz, 48 kHz, 16 kHz, 22.05 kHz, 24 kHz

Output analogue:

Output Level L/R 0,5 Vss on 600 Ohm
THD > 60 dB (1 kHz)
Crosstalk < -65 dB

Output digital:

Output Level 0,5 Vss on 75 Ohm Sampled Data Filtering 32 kHz, 44.1 kHz, 48 kHz S/PDIF-Output optical (AC3)

Video parameter:

Output Level FBAS 1 Vss +/- 0.3 dB on 75 Ohm

TV-Scart:

Output: FBAS,RGB,S-VHS over OSD selectable

Serial Interface RS 232:

Typ RS232 bidirectional Bitrate 115,2 kBit/s max. Plug Connector SUB-D-9 Function Update of Firmware and Preprogramming

Ethernet:

100 MBit compatible, bi-directional interface Function Update of Firmware and Preprogramming

LNB power and polarisation: LNB Current 500mA max. ; short-circuit-proof LNB Voltage vertical < 14V without load, > 11,5V at 400mA LNB Voltage horizontal < 20V without load, > 17,3V at 400mA LNB shut-off at Standby-Mode

Count of active satellite position:

DiSEqC 1.0/1.2 SAT POSITION / SAT OPTION DiSEqC - Rotor Control

Power consumption:

< 20W (in operation, horizontal polarization / 400mA LNB current) < 11W (in operation, without LNB)

Input voltage:

110 - 230V / 50-60 Hz alternating acurrent +/- 15%, external Powersupply

Physical specification:

Ambient Temperature +15°C...+35°C Humidity < 80% Size (W x D x H): 196 mm x 130 mm x 40 mm Weight: 450g

36.

Headquarter & Distribution:

Dream-Multimedia-Tv GmbH
Pierbusch 24
D-44536 Lunen
Germany

Technical Support:

E-Mail: info@prodigi.kz

Webseite:

Weblink: <http://www.dream-multimedia-tv.de>

Support Forum:

Weblink: <http://www.dream-multimedia-tv.de/board/index.php>

Software Support (actual images):

Weblink DM500: <http://www.dm500.com>