

ABO – CENTER

V/ Henriksens Elektronik

Rep. Tips MX4000, MX6000, MX7000, LX5000, LX6000

Service tips!

MX6000 \emptyset /V check:

Kortslut D/S TR35 = Billede bredt

Afbryd L8 ben 1 = Billede smalt

I begge tilfælde så kører højspændingen

Service tips!

Adgang til servicemenu via fjernbetjeningen på nyere MX6000, MX7000:

TV – MENU – 1 – 1 PLAY

Service tips!

C48 = 1000 μ F, C53 = 1000 μ F, C100 = 220 μ F bliver dårlige

Fejl	Løsning
Udrivninger i vert. Afbøjning (MX6000)	Kondensator C129 dårlig 4,7nF
Billede er deformt (MX6000)	C103 = 18nF
Død	Print ved afbøjningsspole dårlige lodninger TR33 = BU2508DF kortsluttet C102 6,8nF/1600v dårligt loddet Dårlige lodninger i netdel og højspænding St. By spænding på 2v Fejl på dioder på sekundær side Transistor TR35 = TRF624 Diode D77 = BA157 Fuse F1 åben TR10=BC639, TR11=BC557B, TR12=BD435 el. BD189
Død	C12 kortslutter og slår TR1, TR2, TR11 ihjel C12 = 6,8nF/630v TR1 = BUT12AF, TR2 = BC337, TR11 = BC557 <i>Credit: U.Elektronik</i>
Periodisk standby	Check lodninger 4C12, 4C101, 4C102 Stikket ved afbøjningsspolen
Periodisk støj – høj hyletone	Linjaritetsspolen 413 Specielt resonans i selve spolen og mellem spole og printplade
Periodisk eller ingen VHF (Bånd1) (UV916xx)	Omlod stel i tuner

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Mangler højde	C137 defekt – 22 μ F/63v
Tænder/slukker med det samme	Diode D34 eller D37 kortsluttet BYW29F
Ø/V fejl	C103 18nF/630v afbrudt = 0nF
Vil ikke tænde	Tr2 defekt i power supply BC337 1. Servicemode: Kortslutte stby = led orange Tryk TV = Led grøn minus opstart Fjern kortslutning = Led rød – tilbage til stby 2. AV Radio: Led blinker grøn 1 gang minus opstart
Lodret streg	C105 560nF/250v Brændt lodning på agbøjningsprint ved rød ledning. (bør efterloddnes ved alle rep.) <i>Credit: Paul Paulsen</i>
Slukker periodisk pga. powerfailure	4R122 i Power Supply/deflection afbrudt <i>Credit: Allan Møller</i>
Kan ej tænde (Lys i stby men kun grøn lys 1 ½ sek . derefter stby)	20v fra SMPS kortsluttet til stel (10IC2 eller IC3 (Audio amp) har kortsluttet pin 5 eller 3 til udgangen pin 4) Man kan tage P17 af. Hvis tv tænder, er dette fejlen <i>Credit: Jan Nielsen</i>
TV kan ikke komme ud af stby. Lysdiode går tilbage til rød efter 1 sek.	Ved at kortslutte servicemode ”startede” det op. Dog kun med ca. halv spænding på HSP trafoens spændinger. Fejlen var C101 2,2nF faldet til 0,5nF <i>Credit: Jan Würtz</i>

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Tekniske data MX4000

TYPE:

35XX, 1992 - 1993

Specifications	
CTV system	*
Picture tube system	Flat square, Hi-Bri, In-Line 110 degrees
Picture tube (visual picture)	55 cm - 21" (51 cm - 20")
Cabinet	White,black,red,grey,blue
Contrast screen	With metallized coating
Design	High format cabinet
Main features:	
Operation	Beolink 1000, one-way Beolink 5000, two-way Beolink 7000, two-way
TV tuner range	46-855 MHz: VHF,S,Hyper,UHF *(System I 470-855 MHz:UHF channels)
Number of TV programmes	59(+5 for local rooms)
Satellite identification	Station naming/program list
Satellite	Prepared for Beosat LM kit
No. of satellite programmes	> 99
Signal/noise level	> 35 dB/1 Vpp and antenna signal > 1mV
Crosstalk between sources	> 45 dB/5 MHz
Teletext	FLOF,6 alphabet
Teletext memory	4x59 page nos.
Sound system	*Nicam+A2 stereo decoder+A2 dual language
Speaker system	2x Log Line
Long-term max. output power	2x40 watts / 8 Ohms
Harmonic distortion	< 0.5% at 15 watts
Intermodulation	< 1%
Signal-to-noise ratio	> 50 dB weighted 50 mV(NICAM >70 dB)
Frequency range, audio	25 - 20,000Hz +/- 1.5 dB
Power bandwidth	25 - 20,000Hz
Channel separation	A" stereo>26(NICAM >70dB)
Bass control	+ / - 8 dB / 100 Hz
Treble control	+ / - 8 dB / 10,000 Hz
Crossover frequency	3200 Hz
Power supply	220 - 240 volts
Power consumption	100 (75 - 165) watts
Power consumption stand-by	3 watts

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Dimensions W x H x D	51*55*41,5 cm
Weight	23 kg
Connections:	
Power Links 1&2	
External speakers R&L	
B&O Stand	
Headphones	
Audio Aux Link	
AV1&AV2	
S-VHS	
Link compatibility:	
DataLink	

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Tekniske data MX4000 Beo4

TYPE:

78XX, 1995 - 1996

Servicetips!

Servicetips!

Specifications	
Dimensions WxHxD	51*55*41,5 cm
Weight	23 kg
Terminal included	Beo4
Picture tube	55 cm - 21"Black Line, Black Matrix
Visible picture	51 cm - 21"
Contrast screen	Acrylic
VisionClear	Auto cut-off Auto picture adjustment Wideband CTI Dynamic luminance peaking
TV tuner range	S,Hyper,UHF
CTV system	Multistandard NTSC on AV
Teletext system	Fasttext,6 languages memory
TV programmes	59
sound	Stereo
Long term max output	2x20 watts /8 Ohm
Stereo decoder/Bilingual	NICAM
Speaker system	Log Line,full range speakers
Power consumption/Minimum	Typical 90 watts / 2watts
Connections:	
AV Link	1x21-pin datalink
Super VHS	YC playback 4-pin
Audio Aux Link	7-pin socket
Power Link	2x8-pin sockets
External speakers	2x2-pin sockets
Stereo headphones	Jack socket 3,5 mm

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Motorized stand operation	4-pin socket
Link compatibility:	
DataLink	

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Tekniske data MX4000 MKII

TYPE:

33XX, 1993 - 1996

Specifications	
Dimensions WxHxD	51*55*41,5 cm
Weight	23 kg
Terminal included	BeoLink 1000
Picture tube	55 cm - 21"Black Line, Black Matrix
Visible picture	51 cm - 21"
Contrast screen	Acrylic
VisionClear	Auto cut-off Auto picture adjustment Wideband CTI Dynamic luminance peaking
Cabinet finish	Black White Blue Grey Red
Teletext system	Fasttext,6 languages memory
TV programmes	59
sound	Stereo
Long term max output	2x40 watts /8 Ohm
Speaker system	Log Line,full range speakers
Power consumption/Minimum	Typical 90 watts / 2watts
Connections:	
AV Link	1x21-pin datalink
Super VHS	YC playback 4-pin
Audio Aux Link	7-pin socket
Power Link	2x8-pin sockets
External speakers	2x2-pin sockets
Stereo headphones	Jack socket 3,5 mm
Motorized stand operation	4-pin socket

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Tekniske data MX4000 NT

TYPE:

872X, 1999 - 2003

Specifications	
Dimensions WxHxD	51*55*41,5 cm
Weight	23 kg
Terminal included	Beo4
Picture tube	55 cm - 21" Flat Square, Hi-Bri with Inwar mask
Visible picture	51 cm - 21"
Contrast screen	Grey glass
VisionClear	Auto cut-off Auto picture adjustment Wideband CTI Dynamic luminance peaking
TV tuner range	45-865 MHz, VHF,S,Hyper,UHF
CTV system	According to type: B/G/DK/L/L/I/M PAL, Secam, NTSC on AV
Teletext system	Improved teletext, Fasttext, 6 languages 4 memory page pr programme
TV programmes	59
sound	Stereo
Long term max output	2x40 watts / 8 Ohm
Stereo decoder/Bilingual	Depending on type A2+ NICAM
Speaker system	Log Line, full range speakers
Power consumption/Minimum	Typical 70 watts / 2,5 watts
Connections:	
AV Link	2x21-pin EURO, datalink
Super VHS	YC playback 4-pin
Audio Aux Link	7-pin socket
Power Link	2x8-pin sockets
External speakers	2x2-pin sockets
Stereo headphones	Jack socket 3,5 mm
Motorized stand operation	4-pin socket
Link compatibility:	
DataLink	