

ABO – CENTER

V/ Henriksens Elektronik

Rep.tips MX 6000, MX4000, LX5000, LX6000

Servicetips!

MX6000 Ø/V tjek:

Kortslut D/S TR35 = Billede bredt

Afbryd L8, ben1 = Billede smalt

I begge tilfælde så kører højspændingen

Servicetips!

Nyere MX6000 og MX7000

Adgang til servicemenu via fjernbetjening:

TV – MENU – 1 – 1 - PLAY

Servicetips!

C48 = 1000µF, C53 = 1000µF og C100 = 220µF bliver dårlige

Fejl	Løsning
Udrivninger i vert. afbøjning(Mx6000)	Kondensator C129 dårlig 4.7nf
Billed er deformt(Mx6000)	C103 = 18nf
Død	Print ved afbøjningsspole dårlige lodninger TR33 = BU 2508DF kortsluttet
Død	C102 6,8nf/ 1600v Dårlig loddet TR33 = BU2508DF kortsluttet
Død	Dårlige lodninger i netdel og højspænding
Helt død	Transistor TR35 = TRF624 Diode D77 = BA157
Helt død	Fuse F1 åben TR10 = BC639 - TR11 = BC557B - TR12 = BD435 el. BD189
Død	Stby spændingen på 2v. Fejl på dioder på sekundær side
Periodisk Stby	Check lodninger 4C12 , 4C101 , 4C102 Stikket ved afbøjningsspolen
Periodisk støj(høj hyletone)	Liniaritetsspolen 413 Specielt resonans i selve spolen og mellem spole og printplade
Periodisk eller ingen VHF(bånd1) (UV916xx)	Omlod stel i tuner
Mangler højde	C137 defekt - 22µF/ 63V
Tænder/slukker med det samme	Diode D34 eller D36 kortsluttet BYW29F

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Død	C12 kortslutter og slår TR1 - TR2 - TR11 ihjel C12= 6,8nF/630V TR1=BUT 12AF, TR2=BC 337, TR11=BC557 Credit: U.Elektronik
Ø/V fejl	C 103 18 nF/630V afbrudt = 0nF
Vil ikke tænde	TR2 defekt i Power supply Bc 337 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 afbøjningsprint ved rød ledning (bør efterloddess ved alle rep.) Credit: Paul Paulsen)
Slukker periodisk, pga pf.	4R122 i Power Supply/Deflection afbrudt. Credit: Allan Møller
Kan ej tænde (Lys i st.by men kun grøn lys 1/2sek. - derefter i st.by	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. Credit: Jan Nielsen
Tv kan ikke komme ud af st.by. Lysdiode går tilbage til rød efter 1 sek.	Ved at kortslutte Service-mode "startede det op". Dog kun med ca. halv spænding på HSP trafoens spændinger. Fejlen var C101 2,2nF faldet til 0,5nF Credit: Jan Würtz
Lyd ok, men intet billede – sort skærm	SANDCASTLE mangler. IC1 TDA2579 defekt

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Tekniske data MX6000

TYPE:

35XX, 1992 - 1993

Specifications	
CTV system	*
Picture tube system	Flat square, Hi-Bri, In-Line 110 degrees
Picture tube (visual picture)	70 cm - 28" (66 cm - 26")
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 Bass Reflex
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
Dimensions W x H x D	65*67,5*46,5 cm

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Weight	40,3 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 MX6000 Beo4

TYPE:

78XX, 1995 - 1996

Specifications	
Dimensions WxHxD	65*67,5*46,5 cm
Weight	40,3 kg
Terminal included	Beo4
Picture tube	70 cm - 28"Black Line-s, Black Matrix
Visible picture	66 cm - 26"
Contrast screen	Grey glass
VisionClear	Auto cut-off Auto picture adjustment Wideband CTI Dynamic luminance peaking
TV tuner range	VHF,S,Hyper,UHF
CTV system	Multistandard NTSC on AV
Teletext system	Fasttext,6 languages,memory
TV programmes	59
sound	Stereo
Long term max. output	2x40 watts /8 Ohm
Stereo decoder/Bilingual	A2+ NICAM
Speaker system	Bass-reflex,two way
Power consumption/Minimum	Typical 90 watts / 2watts
Connections:	
AV Link	2x21-pins sockets
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	

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Tekniske data MX6000 IT

TYPE:

781X, 1996 - 1999

Specifications	
Dimensions WxHxD	65*67,5*46,5 cm
Weight	40,3 kg
Terminal included	Beo4
Picture tube	70 cm - 28" Black Line, Black Matrix
Visible picture	66 cm - 26"
Contrast screen	Grey glass
VisionClear	Auto cut-off Auto picture adjustment Wideband CTI Dynamic luminance peaking
TV tuner range	VHF,S,Hyper,UHF
CTV system	According to type:B/G/DK/L/L'/I 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 watt /8 Ohm
Stereo decoder/Bilingual	Depending on type: A2+ NICAM B/G/I optional A2+ NICAM B/G/L optional
Speaker system	Bass-reflex, two way
Power consumption/Minimum	Typical 90 watts / 2 watts
Connections:	
AV Link	2x21-pin sockets
Super VHS	YC playback 4-pin socket
External speakers	2x2-pin sockets
Power Link	2x8-pin sockets
Stereo headphones	Jack socket 3,5 mm
Motorized stand operation	4-pin socket
Link compatibility:	
DataLink	

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Tekniske data MX6000 MKII

TYPE:

33XX, 1992 - 1996

Specifications	
Dimensions WxHxD	65*67,5*46,5 cm
Weight	40,3 kg
Terminal included	BeoLink 1000
Picture tube	70 cm - 28" Black Line-s, Black Matrix
Visible picture	66 cm - 26"
Contrast screen	Grey glass
VisionClear	Auto cut-off Auto picture adjustment Wideband CTI Dynamic luminance peaking
Cabinet finish	White Black Blue Grey Red
Tv tuner range	VHF,S,Hyper,UHF
CTV system	Multistandard NTSC on AV
Teletext system	Fasttext,6 languages memory
TV programmes	59
sound	Stereo
Long term max output	2x40 watts /8 Ohm
Stereo decoder/Bilingual	Depending on type: A2+NICAM
Speaker system	Bass-reflex,two way
Power consumption/Minimum	Typical 90 watts / 3watts
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
Link compatibility:	
DataLink	

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Tekniske data MX6000 NT

TYPE:

871X, 1999 - 2002

Specifications	
Dimensions WxHxD	65*67,5*46,5 cm
Weight	40,3 kg
Terminal included	Beo4
Picture tube	70 cm - 28" Black Line-s, Black Matrix
Visible picture	66 cm - 26"
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 watt /8 Ohm
Stereo decoder/Bilingual	A2+ NICAM
Speaker system	Bass- reflex, two way
Power consumption/Minimum	Typical 94 watts / 2 watts
Connections:	
AV Link	2x21-pin sockets
Super VHS	YC playback 4-pin socket
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	

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Tekniske data LX5000

TYPE:

42XX, 1992 - 1996

Specifications	
CTV system	*
Picture tube system	Flat square, Hi-Bri, In-Line 110 degrees
Picture tube (visual picture)	63 cm - 25" (59 cm - 23")
Cabinet	White,grey metallic,Rosewood
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 Bass Reflex
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 >50dB)
Bass control	+ / - 8 dB / 100 Hz
Treble control	+ / - 8 dB / 10,000 Hz
Crossover frequency	2500 Hz
Power supply	220 - 240 volts
Power consumption	100 (75 - 165) watts
Power consumption stand-by	3 watts
Dimensions W x H x D	78*47*42 cm

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Weight	36,5 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 LX5000 MKII

TYPE:

33XX, 1992 - 1995

Specifications	
Picture tube system	Flat square, Black Line,Black Matrix
	In-Line 110°
Picture tube (visual picture)	70 cm - 28" (66 cm - 26")
Cabinet	Rosewood,White,black,grey,blue
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 Bass Reflex
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 >50dB)
Bass control	+ / - 8 dB / 100 Hz
Treble control	+ / - 8 dB / 10,000 Hz
Crossover frequency	3200 Hz
Power supply	230 volts
Power consumption	95 (75 - 200) watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	78*47*42 cm
Weight	36,5 kg
Connections:	

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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 LX6000

TYPE:

42XX, 1992 - 1993

Specifications	
CTV system	*
Picture tube system	Flat square, Hi-Bri, In-Line 110 degrees
Picture tube (visual picture)	70 cm - 28" (66 cm - 26")
Cabinet	White,grey metallic,Rosewood
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
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Speaker system	2x Bass Reflex
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Channel separation	A" stereo>26(NICAM >50dB)
Bass control	+ / - 8 dB / 100 Hz
Treble control	+ / - 8 dB / 10,000 Hz
Crossover frequency	2500 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	65*67,5*46,5 cm
Weight	43 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 LX6000 MKII

TYPE:

33XX, 1992 - 1996

Specifications	
Picture tube system	Flat square, Black Line,Black Matrix In-Line 110°
Picture tube (visual picture)	70 cm - 28" (66 cm - 26")
Cabinet	Rosewood,White,black,grey,blue
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
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Sound system	*Nicam+A2 stereo decoder+A2 dual language
Speaker system	2x Bass Reflex
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 >50dB)
Bass control	+ / - 8 dB / 100 Hz
Treble control	+ / - 8 dB / 10,000 Hz
Crossover frequency	3200 Hz
Power supply	230 volts
Power consumption	95 (75 - 200) watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	86*52*46 cm
Weight	43 kg
Connections:	
Power Links 1&2	

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External speakers R&L	
B&O Stand	
Headphones	
Audio Aux Link	
AV1&AV2	
S-VHS	
Link compatibility:	
DataLink	