

# ABO – CENTER

V/ Henriksens Elektronik

## Rep.tips L2500, L2502, L2800, L2802, LX2500, LX2502, LX2800, LX2802

### Service tips!

AF Amplifier – Hor. Osc., vert. Osc. Print:  
Kontroller C45 og C46 for fejlmontering

OBS! IC5 på AF Amplifier Hor. Osc., vert. Osc. Kan være tem. følsom OBS!

### Service tips!

Ved montering af hyperbåndtuner kan bruges:  
Phillips type uv 616/256 P.N 4822 210 40339 eller  
Phillips type uv 616s/256 P.N 4822 210 50122  
2500-2800: Monteres stel på ben 10 på IC6 på tuner print  
2502- 2802: Monteres stel på ben 10 på IC3 på tuner print

### Service tips!

Ved kontrol af TR15 transistor: - SILKETRYK KAN VÆRE FORKERT! – Så TR15 kan monteres forkert

### Service tips!

Ved fejl på TXT (Sorte områder):  
Tryk Shift – 2 – Der kan ikke bruges Text på video kanalen

Fejl	Løsning
Udrivninger i top vert. Fejl	C44, C45, C47 = 100µF/63v
On led blinker	Check stel på D10-D12 Stel afbrudt
Ingen vert. Afbøjning	Dårlige lodninger på D39 og D40 (Sidder under plastikskinne)
Lysdiode svag	C14 defekt på højspændingsprint
Ved højspændingsfejl	Skift næsten alle lytterne på modul 4 Skift Trimmer R65 og R63 på modul 26 Brug rep. Kit fra B&O nr. 3390454
Billede zig-zag'er	Kondensator C40 og C131 100µF på modul 26
Brummer og led blinker. Højspænding pumper	C38 i højspænding dårlig 560nF/250v
Tuner virker ikke (LX2502, LX2802)	TR22 BC338-25 dør på tunerprint
Power supply pumper	IC1 TDA3301 dør på PAL/SECAM dekode
Ingen farver/periodisk ingen farver	Krystal X1 på PAL board defekt. Glasset itu
Trimmer på AF Amplifier Hor. Osc., vert. Osc. Print er dårlige	Prøv at justere på dem, og er der støj på, så skift dem. Specielt firkantede med rødt kryds mærket "PREH"

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Mørk skærm	Skru op for G2 – Streg midt på – vert. Afb. Defekt
Periodisk mørk skærm (Kun lyd)	Dårlige lodninger på vert. Afb. Defekt
Ingen vert. Afbøjning	4IC2 defekt. Modstand R74, R75 på 0,1Ω afbrudt
Hylér (R60 brænder)	C38 560nF/250v
Stby diode blinker/lyser ikke	C14μF/16v dårlig eller død
Hvis 4TR11 (BU508) kortslutter	4C28 = 220μF, 4C29 = 100μF, 4C34 = 6nF/1600v, 4C32 = 1n5/1600v, 4C26 = 22μF, 4C54 = 1μF, 4TR15 erstattes med en BC369
Ved fejl på TXT (Sorte områder)	Tryk SHIFT – 2. Der kan ikke bruges text på videokanalen.
Ingen lyd	TR12 på tunerboard afbrudt Mangler +12v <i>Credit: Per Maastrup</i>
Kan ikke tænde. Stby led lyser	X-tal X2 på bundprint v. Prom mrk. 38xx (venstre side) dårligt loddet eller defekt

	Ny TDA8172	Gammel TDA2170
Ved udskiftning af IC til vert. Afb. 4IC2	1	2
	2	4
	3	5
	4	6
	5	7
	6	8
	7	3
	Ændre 4R78 til 3K3 Og 4R85 til 0,56Ω	
	Ny TDA8170	Gammel TDA2170
Ved udskiftning af IC til vert. Afb. 4IC2	1	2
	2	4
	3	5
	4	6
	5	7
	6	8
	7	
	R76 kortsluttes. R77 ændres til 100kΩ	

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## Tekniske data L2502

### TYPE:

38XX, 1988 - 1990

<b>Specifications</b>	
Specifications:	
Cabinets	White Metalgrey Wood
Operation	Beolink 1000
Datalink system	Beolink Compatibel to older Beocord Video
Features	Stereo sound Stereo enhancement Bilingual sound
No. of progammes	32 VHF - UHF, S-channels
Range	VHF 46-300MHz UHF 470-855MHz
Picture tube	45 AX 110° in line self converging
Start time	Approx. 5 sec.
Aerial impedance	75 Ohms coaxial
Sound power output	2x15 watts / 8 Ohms
Frequency range+/-1,5dB	25 - 20,000Hz
Bass control	+/- 8dB / 100Hz
Treble control	+/- 8dB / 10,000Hz
Power supply	220(240) volts
Power frequency	50 - 60Hz
Power consumption	95 (75-165)watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	78x48x42 cm
Weight	37 kg
Connections:	
Headphones output	Max 7,5V / 200Ohms
External speakers	4-8 Ohms
AUX 3 A/V Socket 6 pin DIN	Video output 1 Vpp 75 Ohms Video input 1 Vpp 75 Ohms Audio output 1V 47kOhms Audio input 1 V 1 kOhms
AUX 2 A/V Socket 21 pin	Video Video RGB Fast blanking

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	Audio Audio IR - codes pin 8 2Vpp Control coltage pin 8>9,5V
Tape output 5 pin DIN	1V 1kOhm
Amp. output 5 pin DIN	0-1 V 2,5kOhms
AUX 1 Audio Line 7 pin DIN	Input 350 mV 47kOhms Output 1V 2kOhms Datalink In/Out
Link compatibility:	
DataLink	

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## Tekniske data L2800

### TYPE:

37XX, 1986 - 1988

<b>Specifications</b>	
CTV system	According to type
Picture tube size	28" flat square
Visual picture size	26"
Speaker system, stereo	2 Bass Reflex cabinets
Sound power output RMS	2x15 watts / 8 Ohms
Harmonic distortion	0,5%
Intermodulation	< 1%
Frequency range+/-1,5dB	25 - 20,000Hz
Power supply	220(240) volts
Power consumption	95 watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	86x52x46 cm
Weight	43 kg

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## Tekniske data LX2500

### TYPE:

34XX&37XX, 1986 - 1988

<b>Specifications</b>	
Picture tube size	25" - 63cm
Visual picture size	23" - 59cm
Speaker system, stereo	2 Pressure Chamber cabinets
Woofers	2x3" - 7,5 cm
Treble	2x2" - 5 cm
Crossover frequency	2500 Hz
Sound power output	2x15 watts / 8 Ohms
Harmonic distortion	0,5%
Intermodulation	< 1%
Frequency range+/-1,5dB	25 - 20,000Hz
Power bandwidth	25 - 50,000Hz
Signal-to-noise ratio	> 50 dB 20 - 15,000Hz / 60mV
Power supply	220 - 240V / 50-60 Hz
Power consumption	95 (75-165)watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	78x48x42 cm
Weight	37 kg
CTV system	According to type
Channels	VHF, UHF and s-channels
Stereo decoder	According to type
Bilingual sound decoder	According to type
Teletext decoder	According to type
Connections:	
Headphones output	Max 10,5V / 200Ohms
External speakers	8 Ohms
A/V Socket 6 pin DIN	Video output 1 Vpp 75 Ohms
AUX3	Video input 1 Vpp 75 Ohms Audio input 1V 47 kOhms Audio output 1 V 1 kOhms
A/V Socket 21p	Video output 1Vpp 75 Ohms
AUX 2	Video input 1Vpp 75 Ohms RGB input 0,7 Vpp 75 Ohms Fast blanking 2V 75 Ohms Audio input 1V 47 Ohms Audio output 1V 1kOhm IR - codes pin 8 2Vpp

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	Control voltage pin 8 > 9,5V
Tape output	1V 1kOhm
Amp. output	1 V 1kOhm
Line	Input 1V 47kOhms
	Output 0-2V 1kOhms (depending on volume level) IR- input

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# ABO – CENTER

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## Tekniske data LX2502

### TYPE:

34XX&38XX, 1988 - 1990

<b>Specifications</b>	
Cabinets	White Metalgrey Wood
Operation	Beolink 1000
Datalink system	Beolink Compatibel to older Beocord Video
Features	Stereo sound Stereo enhancement Bilingual sound
No. of progammes	32 VHF - UHF, S-channels
Range	VHF 46-300MHz UHF 470-855MHz
Picture tube	45 AX 110° in line self converging
Start time	Approx. 5 sec.
Aerial impedance	75 Ohms coaxial
Sound power output	2x15 watts / 8 Ohms
Frequency range+/-1,5dB	25 - 20,000Hz
Bass control	+/- 8dB / 100Hz
Treble control	+/- 8dB / 10,000Hz
Power supply	180 - 265 volts
Power frequency	50 - 60Hz
Power consumption	95 (75-165)watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	78x48x42 cm
Weight	37 kg
Connections:	
Headphones output	Max 7,5V / 200Ohms
External speakers	4-8 Ohms
AUX 3 A/V Socket 6 pin DIN	Video output 1 Vpp 75 Ohms Video input 1 Vpp 75 Ohms Audio output 1V 47 kOhms Audio input 1 V 1 kOhms
AUX 2 A/V Socket 21 pin	Video Video RGB Fast blanking Audio



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	Audio IR - codes pin 8 2Vpp Control voltage pin 8 > 9,5V
Tape output 5 pin DIN	1V 1kOhm
Amp. output 5 pin DIN	0-1 V 2,5kOhms
AUX 1 Audio Line 7 pin DIN	Input 350 mV 47kOhms Output 1V 2kOhms Datalink In/Out
Link compatibility:	
DataLink	

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## Tekniske data LX2800

### TYPE:

34XX&37XX, 1986 - 1988

<b>Specifications</b>	
Picture tube size	28" - 70 cm
Visual picture size	26" - 66 cm
Speaker system, stereo	2 Bass Reflex cabinets
Woofers	2x4" - 10 cm
Treble	2x2" - 5 cm
Crossover frequency	2500 Hz
Sound power output	2x15 watts / 8 Ohms
Harmonic distortion	0,5%
Intermodulation	< 1%
Frequency range+/-1,5dB	25 - 20,000Hz
Power bandwidth	25 - 50,000Hz
Signal-to-noise ratio	> 50 dB 20 - 15,000Hz / 60mV
Power supply	220 - 240V / 50-60 Hz
Power consumption	95 (75-165)watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	86x52x46 cm
Weight	43 kg
CTV system	According to type
Channels	VHF, UHF and s-channels
Stereo decoder	According to type
Bilingual sound decoder	According to type
Teletext decoder	According to type
Connections:	
Headphones output	Max 10,5V / 200Ohms
External speakers	8 Ohms
A/V Socket 6 pin DIN	Video output 1 Vpp 75 Ohms
AUX3	Video input 1 Vpp 75 Ohms Audio output 1V 47 kOhms Audio input 1 V 1 kOhms
A/V Socket 21p	Video output 1Vpp 75 Ohms
AUX 2	Video input 1Vpp 75 Ohms RGB input 0,7 Vpp 75 Ohms Fast blanking 2V 75 Ohms Audio input 1V 47 Ohms Audio output 1V 1kOhm IR - codes pin 8 2Vpp

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	Control voltage pin 8 > 9,5V
Tape output	1V 1kOhm
Amp. output	1 V 1kOhm
Line	Input 1V 47kOhms Output 0-2V 1kOhms (depending on volume level) IR- input

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## Tekniske data LX2802

### TYPE:

34XX&38XX, 1988 - 1990

<b>Specifications</b>	
Cabinets	White Metalgrey Wood
Operation	Beolink 1000
Datalink system	Beolink Compatibel to older Beocord Video
Features	Stereo sound Stereo enhancement Bilingual sound
No. of progammes	32 VHF - UHF, S-channels
Range	VHF 46-300MHz UHF 470-855MHz
Picture tube	45 AX 110° in line self converging
Start time	Approx. 5 sec.
Aerial impedance	75 Ohms coaxial
Sound power output	2x15 watts / 8 Ohms
Frequency range+/-1,5dB	25 - 20,000Hz
Bass control	+/- 8dB / 100Hz
Treble control	+/- 8dB / 10,000Hz
Power supply	180 - 265 volts
Power frequency	50 - 60Hz
Power consumption	95 (75-165)watts
Power consumption stand-by	3,5 watts
Dimensions W x H x D	86x52x46 cm
Weight	43 kg
Connections:	
Headphones output	Max 7,5V / 200Ohms
External speakers	4-8 Ohms
AUX 3 A/V Socket 6 pin DIN	Video output 1 Vpp 75 Ohms Video input 1 Vpp 75 Ohms Audio output 1V 47 kOhms Audio input 1 V 1 kOhms
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Tape output 5 pin DIN	1V 1kOhm
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AUX 1 Audio Line 7 pin DIN	Input 350 mV 47kOhms Output 1V 2kOhms Datalink In/Out
Link compatibility:	
DataLink	

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## Tekniske data L2802

### TYPE:

38XX, 1988 - 1990

<b>Specifications</b>	
Cabinets	White Metalgrey Wood
Operation	Beolink 1000
Datalink system	Beolink Compatibel to older Beocord Video
Features	Stereo sound Stereo enhancement Bilingual sound
No. of progammes	32 VHF - UHF, S-channels
Range	VHF 46-300MHz UHF 470-855MHz
Picture tube	45 AX 110° in line self converging
Start time	Approx. 5 sec.
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Frequency range+/-1,5dB	25 - 20,000Hz
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