



**Concept L 42
Platinum
Art.-N° 64403A60**

**Concept L 42
Anthracite
Art.-N° 64403D60**

LOEWE.

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1. Introduction

This manual is only intended for technically trained personnel!

It was designed to enable the technician to carry out repairs on board—level in case of malfunction. Attempts of repairs going on component level or, due to missing knowledge, will cause follow up defects, will lead automatically to lapse of any warranty claims. The manufacturer reserves the right to check units, having been returned for repair, to that effect.

In the case you should need support via telephone, please keep ready the ident—no. and the serial—no., both can be found on the type label, located on the rearside of the unit, close to the mains inlet.

If you will have to return a defective unit for repair, please attach a detailed fault description, including when and how the problem appears (e.g. always after swichting on, sporadically, etc.)

In the unlikely event a problem should be unreproducible in our workshop, we immediately would like to get in contact with you. For this reason it is very helpful if in the delivery note, besides the fault description, also a technical contact person (incl. telephone—no.) is mentioned.



When working at respectively inside the device, always disconnect mains inlet!

There are dangerous voltages inside the unit. The regulations

and safety instructions according to VDE

shall be valid as well as the respective national deviations!

Keep to ESD regulations!

2. Service-address

Loewe-Service und Logistik

LOEWE OPTA GmbH
Service + Logistik
Zentrale Kronach
96305 Kronach • Postfach 1554
96317 Kronach • Industriestraße 11

Die wichtigsten Rufnummern der Zentrale Kronach:
The most important phone numbers of the Kronach headquarters

	Telefon:	FAX
Ersatzteilbestellungen:	(0180) 522 1800	(0180) 522 1806
Status von Reparaturen:	(0180) 522 1805	(0 92 61) 99 412
Support TV Röhre:	(0180) 522 1801	(0 92 61) 99 730
Support Video/DVD:	(0180) 522 1802	(0 92 61) 99 730
Support Telekommunikation:	(0180) 522 1803	(0 92 61) 99 730
Support HiFi:	(0180) 522 1804	(0 92 61) 99 730
Support TV Plasma, LCD, Rückprojektion:	(0180) 522 1807	(0 92 61) 99 730

Note! *Spare parts orders only through Service + Logistics / Headquarters in Kronach*

3. Technical Data

CONCEPT L 42

Display:

Model:	PDP42V6####
Display Type:	AC—PDP, V6
Screen size:	107 cm (42")
Active screen (h x b):	920,1 mm x 518,4 mm
Aspect ratio:	16:9
Physical Resolution in Pixel:	852 x 480
Colors:	16,77 Mio.
Maximum Brightness:	typ. 1000 cd / m2 (white peak @ 4% display load)
Maximum contrast ratio:	typ. 3000:1 (dark room, white peak @ 4% display load)
Viewing angle (A/B, L/R):	800/800 , 800/800, typ.
Limitation power consumption:	APC (Automatic Power Control)
Color temperature:	9500K (@ 20% grey) characteristics acc. to manufact. spec, 2—point adjustment not possible.

A.m. values are valid after 20 min operation at an ambient temp. of 25°C.

EMI Shielding Glass:

Type:	Security Shatterproof Glass incl. Mesh
Transmission:	48% +/— 5%

Power requirement:

Mains Inlet:	115 — 230V ~ +/— 10%
Mains frequency:	50/60 Hz +/— 6%
Power consumption:	5W typ. in Standby, ca. 350W in operation
Inrush current:	40A max.

In— / Outputs:

Description	Input / Output	Signal
Cinch / Cinch:	disabled	no function
Cinch / Cinch:	output Audio	Subwoofer Line out / n.c.
Cinch / Cinch:	output Audio	Stereo Line out
Cinch / Cinch:	input Audio	Stereo for CVBS / YUV
Cinch / Cinch:	input Audio	Stereo for PC
Cinch / Cinch:	input Audio	Stereo for Y/C (S—Video)
DVI—I:	input PC	Connection to DVI—I / VGA—Signal source
IEC:	input RF	antenna signal terrestrial or cable
IEC:	output RF	with patch cable connected to:
IEC:	input RF	
D—Sub 9pol:	input / output PC	RS232 for Software update
3x Cinch:	input Video	YUV, combined with CVBS
Euro AV:	input Video	CVBS, RGB, Audio L/R
	output Video	CVBS, Audio L/R
Euro AV:	input Video	CVBS, Audio L/R
	output Video	CVBS, Audio L/R

Input signals in PC Mode

Horizontal frequency range:	30kHz ... 80kHz
Vertical frequency range:	50Hz ... 90Hz
Pixel Clock frequency:	max. 140MHz RGB, max. 110MHz DVI
Signal level, nominal:	0,7Vp—p +/— 3dB bei 75 Ohm
Synchronisation:	SoG, Composite Sync, H— und V—Sync, separated
Sync. polarity:	positiv and negativ
Sync. level:	TTL, Loading >1kOhm +/— 10%, bei SoG 0,3Vp—p +/— 0,015V, negativ
VESA DDC Standard:	2B
Jitter:	<6% @ 140MHz
Input resistance:	75 Ohm +/— 10% (0 ... 200MHz)
Threshold timing determination:	+/— 2% (horizontal, vertical)
Transit time between 2 Timings:	< 5sec

Displayable resolutions in PC Mode (analog)

170 pre—defined Timings, e.g.

DOS	640 x 480	60Hz
DOS	720 x 400	70Hz
VGA	640 x 480	50Hz to 90Hz
SVGA	800 x 600	50Hz to 90Hz
XGA	1024 x 768	50Hz to 90Hz

Formats in PC Mode (analog)

1	1:1
2	Format filling
3	User Zoom (40% to 140%)
4	Full screen

Input signal in PC Mode (digital)

Standard:	DVI 1.0
Pixel Clock Frequency:	max. 110MHz

Input signal in Video Mode

Standards:	PAL: B/G, DK, I, M, N SECAM: B/G, DK/K1, L/L' NTSC: M4, B/G4, D/K4, I, NTSC—V (4,43)
Signal types:	YUV, CVBS, Y/C, RGB
CVBS Signal level, nominal:	1Vp—p +/— 3% @ 75 Ohm
RGB Signal level, nominal:	0,7Vp—p +/— 3% @ 75 Ohm
Y—Signal level, nominal:	1Vp—p +/— 3% @ 75 Ohm
U—Signal level, nominal:	0,7Vp—p +/— 3% @ 75 Ohm
V—Signal level, nominal:	0,7Vp—p +/— 3% @ 75 Ohm
C (PAL) Signal level, nominal:	0,3Vp—p +/— 3% @ 75 Ohm synchronous color signal
C (SECAM) Signal level, nominal:	0,286Vp—p +/— 3% @ 75 Ohm synchronous color signal
Automatic format identification:	WSS, BLD
CVBS Processing:	Digital comb filter
Synchronisation:	Analog and automatical sync recognition
Sync types:	Composite, SoG
Sync levels:	0,3Vss +/— 3dB /75 Ohm

Formats in Video Mode

1	4:3
2	16:9
3	Zoom (130%)
4	User Zoom (40% to 140%)
5	Full screen
6	Panorama Zoom —> Cinema
7	Auto

Displayable standards in RF Mode

CVBS Signals:	PAL: B/G, DK, I SECAM: B/G, DK/K1, L/L'
RF footprint:	47MHz to 861MHz (VHF / UHF / Hyperband)

Channel setting in RF Mode

Channel setting:	Automatical channel search storing and manual adjustment
Program locations in memory:	99
channel sorting:	yes

Videotext

Videotext:	TOP/FLOF, Level 2.5
Number of pages in memory:	2100
VPS:	no
EPG:	no

Audio Signals

Audio level Stereo inputs:	1Vrms
Audio level Stereo Line output:	1Vrms +6dB / —20dB adjustable via OSD
Frequency range (Line in / Line out):	20Hz to 20kHz

Technical Data

Audio settings

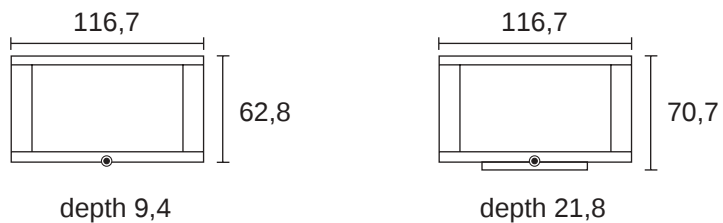
Equalizer: yes, 5 fader
Treble, bass: not available

Speaker

Quantity: 2 per side
Frequency range: 100Hz — 20kHz, —3dB
Output: > 5W nominal output / speaker
Impedancy: 4 Ohm /Spk, serial connection to 8 Ohm

Dimensions and weight

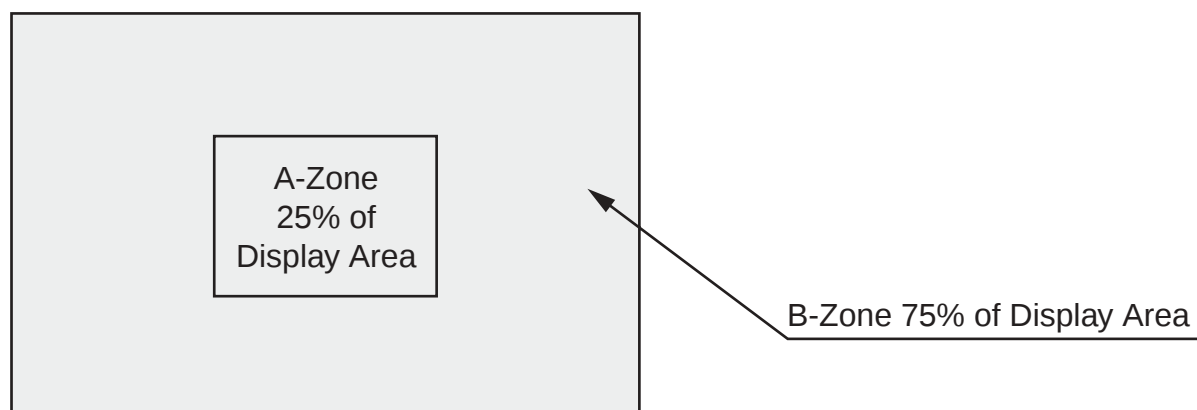
Dimensions with and w/o stand:



Weight w/o Fuß: ca. 30kg
Weight incl. stand: ca. 35kg

Pixelfaults

Allowed Pixelfaults: According to manufacturer's spec for the used PDP
(6 dark in A+B, 2 bright in B)



4. Service-Hints

4.1 Transport

The displays may only be transported in upright position! For the transport you have to take care for a save packing, for this the original packing, which is available at your LOEWE service (*See chapter 2. on page 3*) suits best.

4.2 Cleaning

For cleaning of the surface a dampened, lint—free cloth is most suitable. As cleaning liquid the manufacturer recommends environmental friendly glass cleaner.

Most suitable for the cleaning of the ventilation openings is a handheld vacuum cleaner, cleaning by means of compressed air is not recommended, as dust might get into the unit.

4.3 Test patterns

When using AV3 signal processing, test patterns are available under the service menu (*see also chapter 8. on page 16*)

4.4 Ground straps

Ground straps, which connect the display with the housing of the unit, must be refitted after repair, to keep to EMI regulations. Straps, which have been torn apart when removed, have to be substituted.

4.5 OSD—Duration

For Service it is helpful, to set the duration for the OSD to "off". The menus will then not disappear automatically (*see also Operating Manual*)

4.6 Reset

On malfunction or when the device has "stuck up" (no control via IR possible anymore), switch off unit via mains power switch — wait for 30 sec (until all electrolyt—capacitors are discharged) — switch on unit again.

4.7 Factory defaults

In the OSD—menu under submenu "function" you will find the item "factory defaults". All settings will be set to factory presets, the channel storage remains (*see also Operating Manual*).

4.8 General Reset

In the service menu (open with "8640", *see also chapter 8.1.6 on page 17*) under the submenu "reset all" a complete reset can be done.

CAUTION: Here the operating hours as well as the channel storage will be erased!

4.9 Overtemperature— switch off

"WARNING" will appear, as soon as the temperature on the AV3 electronics exceeds 60°C (Temperature 1)..

The unit will be switched to Stand By, the red LED is lit as soon as the temperature on the AV3 electronics exceeds 65°C (Temperature 2). It is possible to switch on the unit again via remote control.

The unit will be switched to Stand By, the red LED starts to blink as soon as the temperature on the AV3 electronics exceeds 70°C (Temperature 3). It is not possible to switch on the unit again via remote control.

As soon as the temperature is below 60°C, the LED stops blinking, it is possible to switch on the unit again (*see also chapter 8.1.4 on page 17*).

4.10 Software—Update

You need:

- Update—Program "FlashUpgrader.exe" (for Windows 98 and Windows ME) or "FlashUpgraderNT.exe" (for Windows NT4.0, Windows 2000 as well as Windows XP). Under Windows 95 the update is not possible.
- actual software (the update software as well as the actual software release for your device is available as zip—file at your LOEWE service, *see chapter 2. on page 3*)
- Null—Modem cabel (serial date cable (RS232) with 9 pin female connector on both sides, the wires must be crossed)

Update:

- Unpack Update—Program and new Software into a new directory.
- Switch off unit (mains switch).
- Start Update—Programm.
- Select via "Choose..." file "*.inf" in the new directory with the firmware data.
- Set "Connection" to "serial", select the used Com port as well as the Baud—rate (recommended 115200).
- All other options remain on "default" position.
- Click on "Flash" anklicken, the program is set to stand by
- Switch on the device using the mains switch. The program starts automatically, the progress is shown on the display. Depending on the selected Baud—rate, the update takes about 3—6 minutes.

4.11 Typical Faults

In the case of malfunction, it is recommended to check the external wiring before opening the unit:

- Mains power available?
- Are the corresponding signal cables connected?
- Is there a signal available from the external sources?
- Is the corresponding signal source selected?

Also after opening the unit it is recommended to check the internal wiring and connectors to exclude any loose contact.

4.11.1 No display (on all signal modes)

- Check In—/Outputs of power supply (*see chapter 9.3 on page 22*)

4.11.2 Not possible to switch unit on (remains in StandBy)

- Check IR remote control (batteries!)
- Reinstall software (*see chapter 4.10 on page 8*)
- Check AV3—electronic (*see chapter 6.4 on page 12*)

4.11.3 Missing lines or columns

- Check display (*see chapter 9. on page 19*)

4.11.4 Pixel faults

Due to technological reasons single pixels or subpixels might fail on TFTs as well as on Plasma displays. As long as the number of faults is within the limits mentioned in the specification, there is no device defect existent (*see chapter 3. on page 6*).

4.11.5 Missing colors

- Check data cable (*see chapter 6. on page 11*)
- Check AV3 (*see chapter 6.4 on page 12*)
- Check display (*see chapter 9. on page 19*)

4.11.6 Channel search not working / not working properly

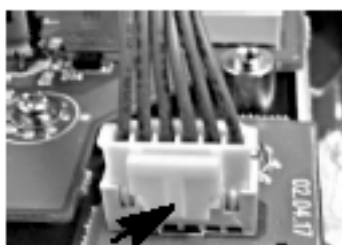
- Check AV3 (*siehe chapter 6.4 on page 12*)

4.12 Flat—display connectors

If there should be a repair or just a check on a LCD— or Plasma—panel, it will become necessary to disconnect some of the connectors. Sometimes this is quite complicated, disconnection only with force will lead to total defect of the panel in the worst case. Below there are the most common connectors and how to disconnect them:



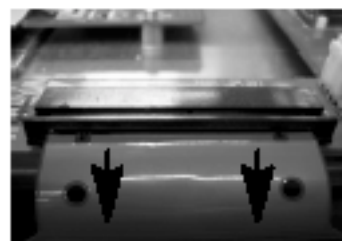
Lift upwards



before disconnecting unlock by pressing



to unlock pull towards arrow direction



take care for rest noses!



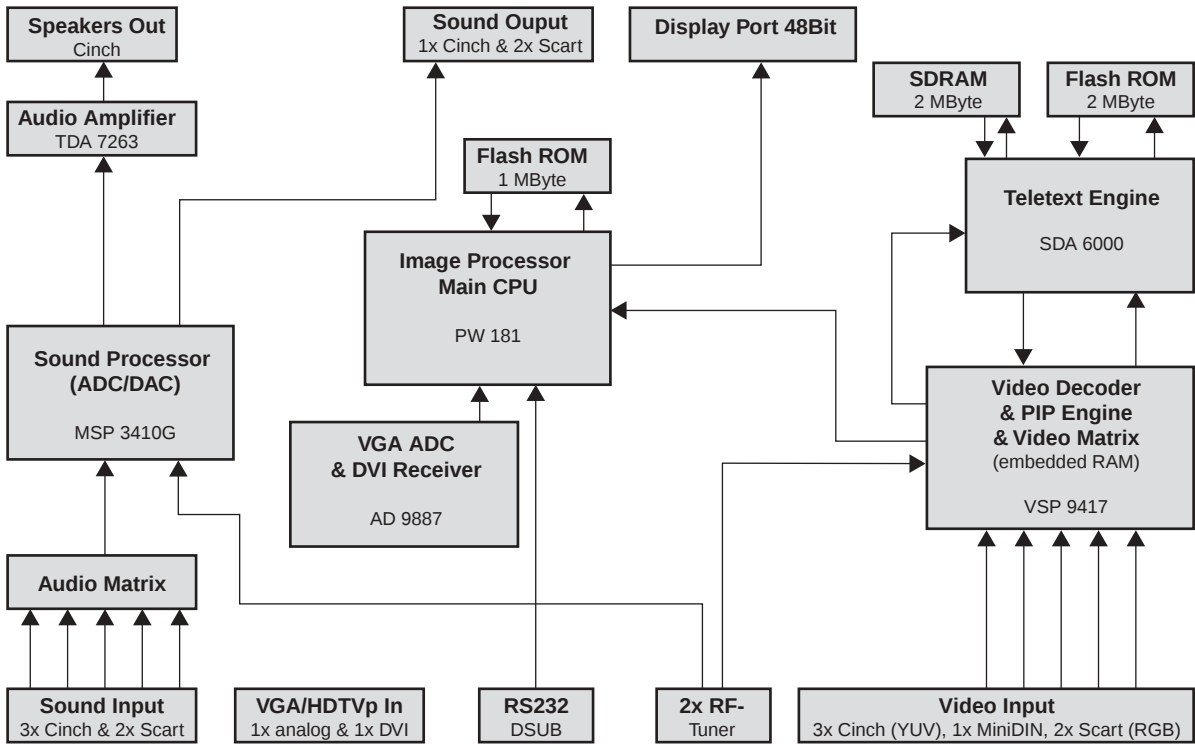
to unlock fold towards arrow direction



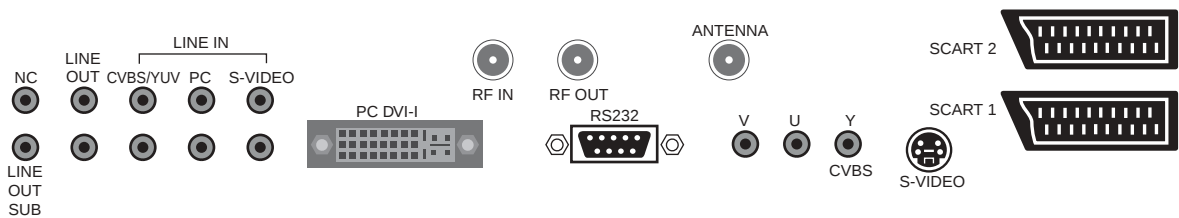
[illegible]

6. AV3 Signalprocessing

6.1 AV3 wiring diagram



6.2 In-/Outputpanel



6.3 Connectors

Below please find the most important connectors. For clarity reasons only those connectors are mentioned, which are in use.

Connector	Pin	Marking
CN 1		2x Scart, Scart1 also RGB fit
CN 4		S-Video
CN 6-C		CVBS
CN 22		RS-232
CN 5		DVI-I
CN 3-A		PC Audio in
CN 3-B		YC Audio in

Connector	Pin	Marking
CN 15		CVBS/YUV Audio in
CN 6 -A/-B/-C		YUV
CN 21	1,5,7 2 3 4 6	GND 5V Standby IRRCVR (Sensor) RDLED (red LED) GRLED (green LED)
CN 11	1,2 3,4	GND 30V Audio
CN 13	1 2,4,6 3 5 7 8 9 10	5V Standby GND 5V 5V 12V STBY (start low voltage) DPMS (start high voltage) VRR (PD Pready)
CN 33	1-50	Digital Output

6.4 Fault finding

6.4.1 Without opening the unit

— Analysis Front LEDs

Red LED remains lit in spite of switching unit on with remote: device stays in standby, possible faults are IR remote control or AV3..

Green LED but no picture: device is active but shows no image, possible faults are: wrong input source selected or panel defective.

Red and green LED is lit at the same time: unit is in an undefined state, fault caused mostly by AV3

— Analysis Screen

If with a black screen (no image is displayed) a light gleam is still visible (darken point of view with hand), normally the problem is located in the signal routing and not on the panel itself.

— Accoustic Analysis (Relais)

When switching between the different input sources, there is a gentle click of a relais to be heard. If this is not audible, the problem is certainly located on the AV3.

6.4.2 With open unit

— Check supply voltages (use the pins of the connectors for testing points, *(see chapter 6.3 on 11)*).

— Problem containment (by means of checking and / or exchange of single PCB's)..

6.4.3 FAQs

Noisy picture in tuner mode

— Signal level must be higher than 68dbμV (typical level of cable TV)

— High noise level on RF signal (poor SNR)

— Adjust DNC to max. (OSD)

— Due to the digital signal processing flat panels are more sensitive to noise levels than 50Hz interlace CRTs or 50Hz progressive CRTs (8Bit resolution, False Contouring, Dithering, Deinterlacing, limits of the used PDPs, ...)

Noisy picture in Video mode

— High noise level on Video signal (poor source)

— Adjust DNC to max. (OSD)

- Due to the digital signal processing flat panels are more sensitive to noise levels than 50Hz interlace CRTs or 50Hz progressive CRTs (8Bit resolution, False Contouring, Dithering, Deinterlacing, limits of the used PDPs, ...)
- If possible do not use FBAS signals, better is SCART—RGB or S—Video.

Regular horizontal or vertical stripes in Video picture

- Change position of external signal wiring (emission of PDPs)
- Humming loop (ground shift)

Video picture only in black and white

- Poor signal level or non—standard signal
- Signal not supported (e.g. NTSC via RF)

At channel search, not all channels are recognized or recognized with the wrong name

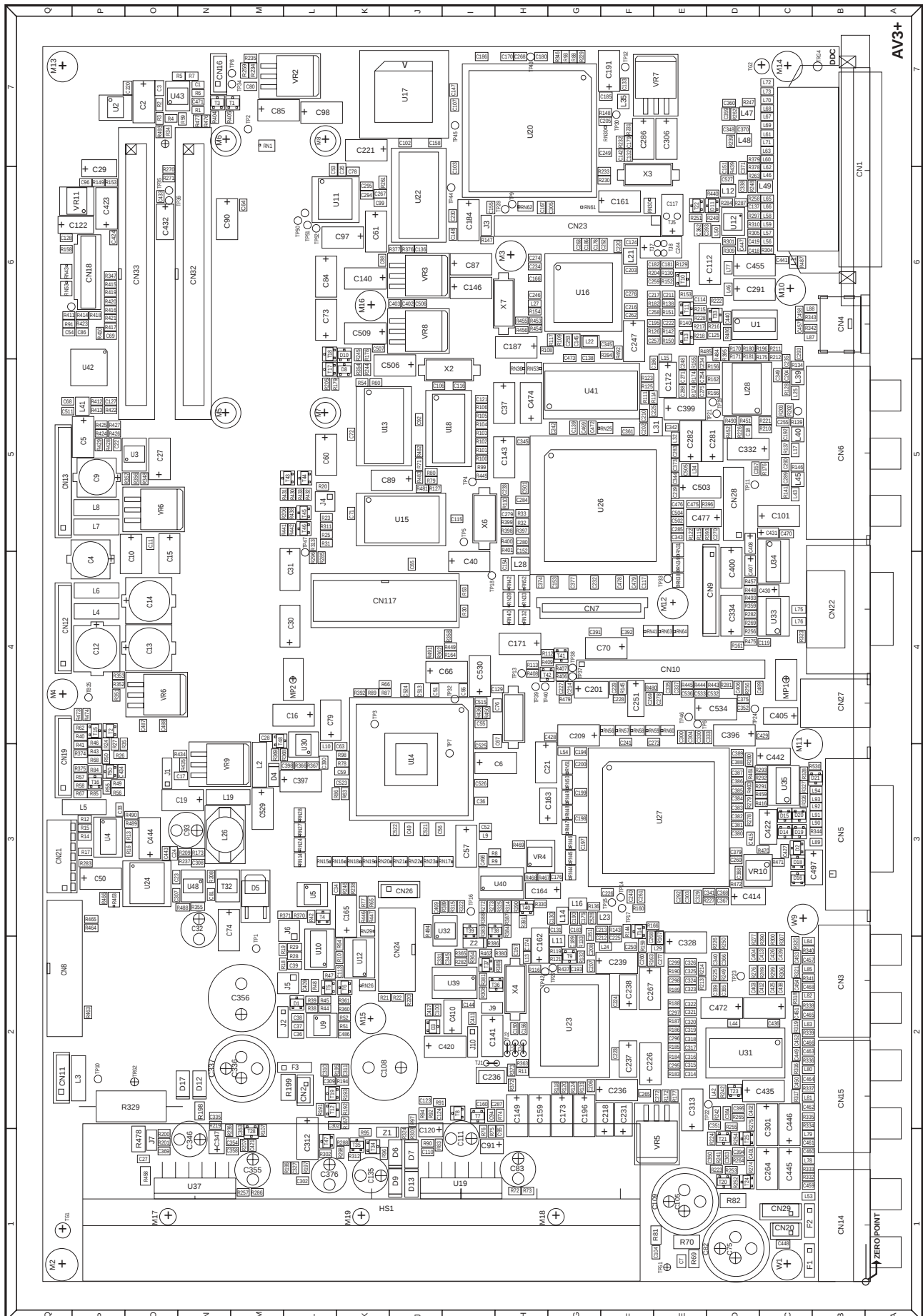
- device is not supporting PDC
- device is working with internal channel name table, if the channel name changes shortly, this may lead to wrong information

Image is flat and low contrast (Video/VGA)

- The factory defaults for brightness and contrast are suitable for most applications, only for exceptions this settings should be changed
- Also other settings and adjustments might influence the picture quality, for this reason always first reset to factory defaults (OSD—Menu)

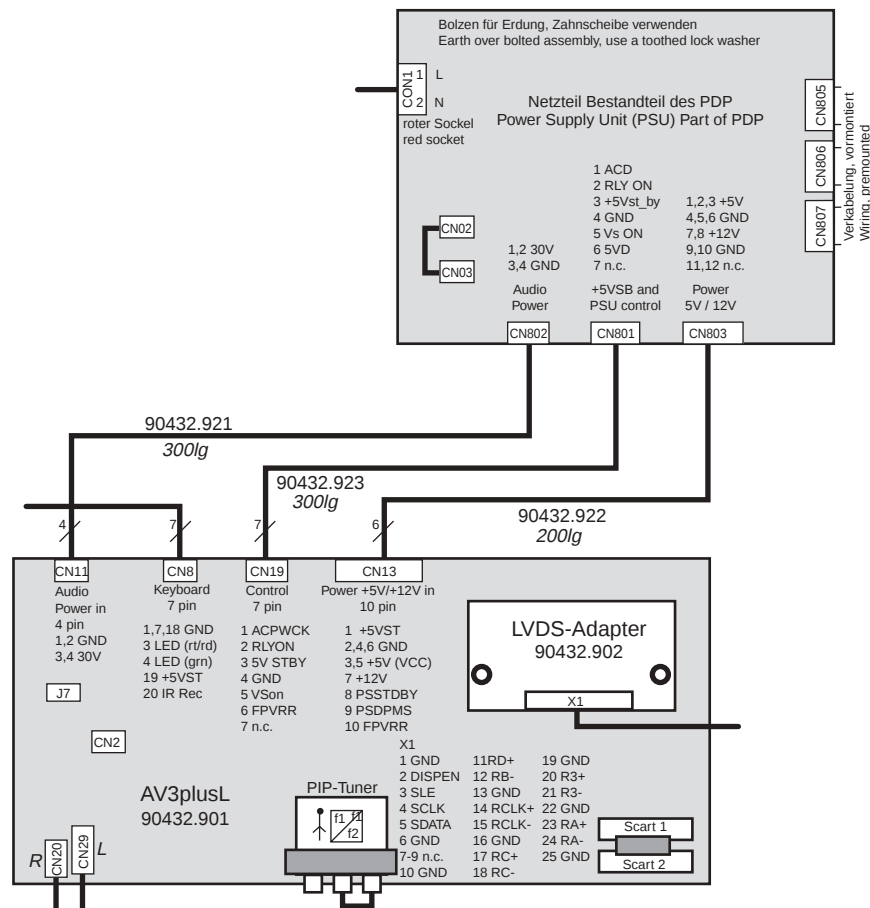
Picture out of focus in VGA—Mode

- Max. resolution of 848x480 is recommended
- in rare cases (poor signal quality or unfavourable display), auto—adjustment is not able to work correctly (see Operating manual), select manual adjustment in the OSD
- Adjust focus in menu Picture to the signal source



7. Startup Sequence

Description and Pinning



Startup sequence AV3 in connection with the PSU of the Plasma:

- Step 1**
On CN801 of the PDP PSU, Pin3, +5VDC appears.
- Step 2**
CN801, Pin1 (ACDET) switches to "high", as soon as the voltage from the PSU becomes higher than 90VAC. If the voltage remains under 90VAC, the startup will stop here (is interrupted by the AV3).
- Step 3**
To start the plasma, the signal RYLON (CN801, Pin2) is set to 5V, which causes the startup of the low voltages on the PSU, as e.g. 5V, 12V, 30V, etc.
- Step 4**
The signal 5VDET (CN801, Pin6) is under surveillance. If the signal is "low", the AV3 will set RYLON = 0V (this causes the switch off of the panel).
- Step 5**
On "high"—signal (RYLON = 5V) the AV3 will set VSON to "high" (CN801, Pin5) and will switch also the high voltages, the panel is under operation.

8. Service OSD

Beside the User—OSD there is an additional Service—OSD, in which settings and adjustments can be made which will change the performance of the display, alternatively will show information which are helpful for service. For this reason the access to this menu should only be familiar to suitably educated persons. To enter the service menu, first the user menu has to be opened (button "menu" on your remote control), afterwards you can enter the service menu by typing the code "8640" on your remote control. The following menu will appear (the values which are shown are only wildcards and will differ in most cases from the effective values):

Version / System Info	
RS232 setting	4800
Customer logo	-1-
Operation Time	
Default Color Setting	
Power On Input	PC (RGB)
Temperature Setting	
Full Mask	None
Sub Laustärke	
Alles zurücksetzen	

8.1 Submenus

The following items can be adjusted directly in the service menu:

RS232 Setting (option)	Here the download speed for an eventual software update is set. If there are problems during an update, it is recommended to reduce the speed.
Customer Logo (option)	In the internal memory of the AV—electronic logos of different customers are archived. To avoid irritations, this setting should not be changed.
Power On Input	This item defines the input source, which is active when the unit is started up. There are all input sources available to choose from, additionally there is the possibility of "Last". If this is chosen, the device will start up automatically with the same source it has been in when being switched off.
Full Mask	For service purpose (Pixel fault finding, check of Burn—In effects) it is helpful to display a picture in Red, Green, Blue or White. The selected mask is shown after leaving the menu. When "Inverted" is selected, the actually displayed image will be shown in inverted colors. This function might be helpful to erase slight Burn—In effects (the "Burned—In" image must be available). Items, which are not part of the above mentioned table, can be set via the following sub—menus:

8.1.1 Version / System Info

Sub menu Version / System Info shows the actual software version, the hardware version and the audio processor type (MSP).

There are no adjustments possible. In all service cases, where consultation with the manufacturer should be necessary, for this information will be asked.

Software	% z
Hardware	% z
MSP	% z

8.1.2 Operation Time

Sub menu Operation Time shows the operation time of the complete unit (also standby) as well as the operation time of the panel.

Via "Reset" both values can be reset to "0". This is necessary when, e.g. the panel has been exchanged during repair.

CAUTION: *If here the values are reset to "0", there is no other possibility to assess the operating time of the device. It is highly recommended to record the operating time in written form in the repair form or in different form (e.g. photograph).*

Operation Time	% z
Panel Time	% z
Reset	

8.1.3 Default Color Setting

In sub menu Default Color Setting the basic adjustment of the colors for all input sources is set. The offset value defines the color temperature for the complete display, including the background, the gain-value influences the colors of the image content.

As a basic principle it should always be tried to do any color adjustments via the user—menu, for certain applications, however, it might be necessary to do adjustments in this menu (e.g. applications in T.V. producing branches).

Red Offset	-123-
Green Offset	-123-
Blue Offset	-123-
Red Gain	-123-
Green Gain	-123-
Blue Gain	-123-

8.1.4 Temperature Setting

The AV3—electronics contains an implemented temperature—control, which consists of three steps (*see chapter 4.9 on page 7*). The factory—made values are for optimum operation of the device and should only be changed in extreme individual cases after consulting the manufacturer. Any defects, caused by unauthorized changes in the temperature control, will automatically lead to loss of any warranty claims.

For service purpose it is possible to reset the Max.— / and MIN.—Temperature. This allows to check, if the unit moves towards critical temperatures at certain applications.

Temperature 1	-12.3-
Temperature 2	-12.3-
Temperature 3	-12.3-
Max. Temp. All Time	-12.3-
Min. Temp. All Timer	-12.3-
Reaset Max/Min	

8.1.5 Sub Volume

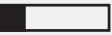
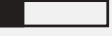
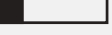
Sub—menu Sub Volume sets the pre—adjustment for the volume of all input sources, respectively Line out Audio.

Factory—made all levels are set to the same value, in some cases the output levels of some peripheral devices on customer side might be different. For this, the customization can be done here.

8.1.6 Reset Everything

With Reset Everything all adjustments, the channel memory, the Max.— / Min.—Temperatures as well as the Operating hours will be reset, which means the device is in the same status as originally delivered by the manufacturer.

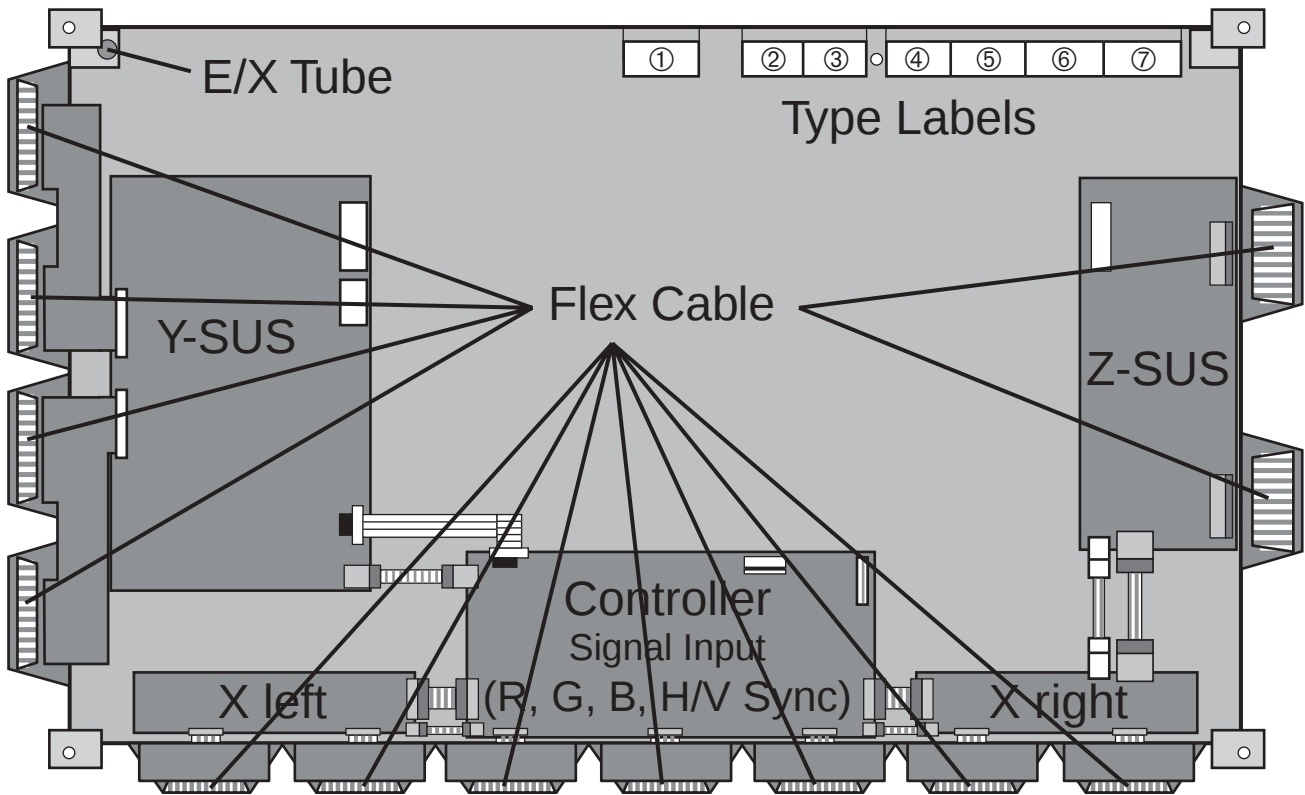
This should only be done after consulting the manufacturer, as with the erased temperatures and operating hours important information will be lost which might be necessary for warranty claims.

CVBS	-12- 
PC	-12- 
YC	-12- 
SCART1	-12- 
SCART2	-12- 
TV	-12- 
YUV	-12- 
Subwoofer	-12- 
Volume "Audio Out"	-12- 

9. Plasma Display

Following you will find the description of the Plasma Display Type PDP 42V6####.

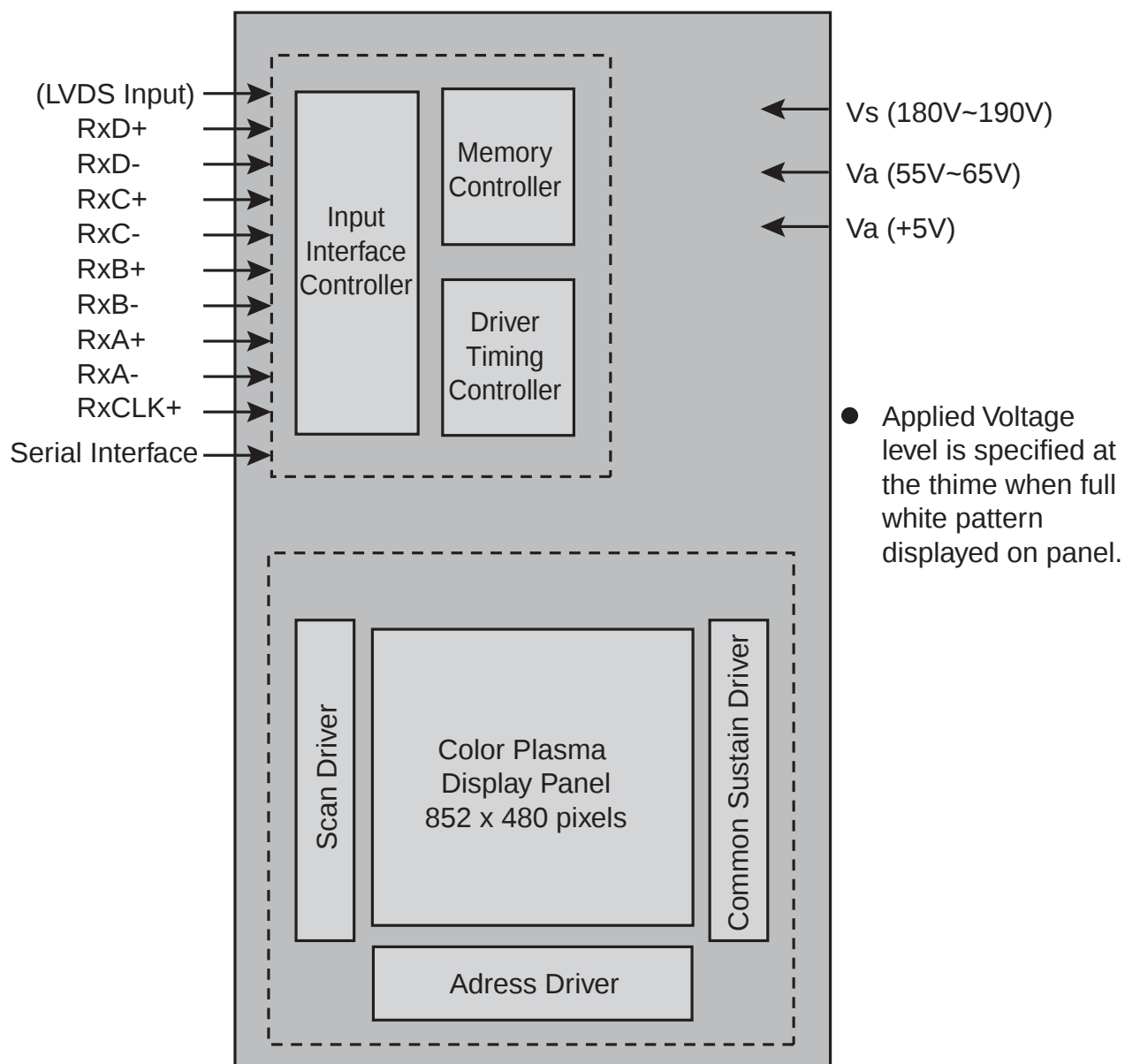
9.1 Rear view including PCBs



If a repair exchange has to be carried out, special care has to be taken of the so called E/X Tube. Via this sealed glass tube the panel is bled first, after that it becomes filled with gas. If this tube becomes broken, the panel is totally lost. Also when changing the panel, take care of the flex cables, any damages will also lead to a total loss of the panel, as those cables are bonded between the glass layers of the panel. On the so called Type Labels you will find the panel type and the serial number of the panel. This information should be noted on the delivery notes in case of repair exchange.

9.2 Schematic Configuration

The schematic configuration of the panel shows, which PCBs belong together and which signals are conducted to the panel. The mentioned voltages V_s , V_a and V_{cc} are from the PSU, which is part of the panel. Any exchange of the PSU by untrained persons is not recommended, as the voltages on the PSU have to be adapted to the corresponding panel.

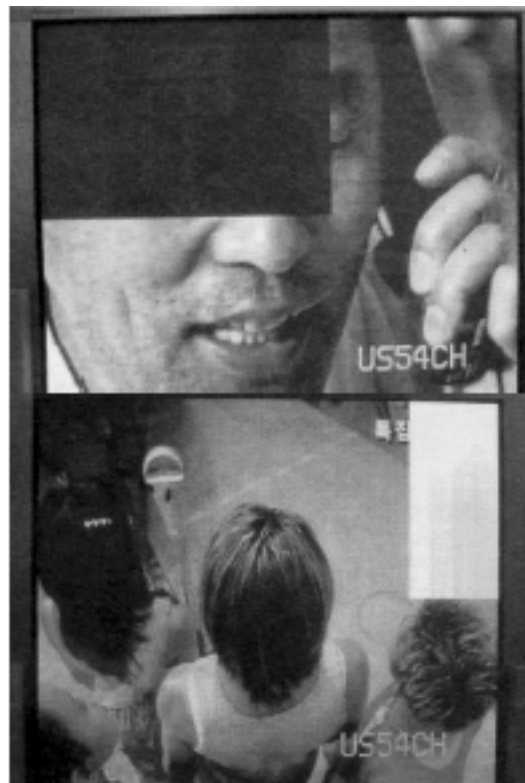


9.2.1 Life Expectancy

The anticipated life—time is estimated about 60.000 hours of continuous operation. Average life—time is the time when the brightness level becomes half of its initial value.

9.2.2 Typical Faults

Following examples are typical panel faults. It is assumed that whenever a row or column is missing completely or partly, the problem is caused by a problem in the plasma electronics and not by external electronics.



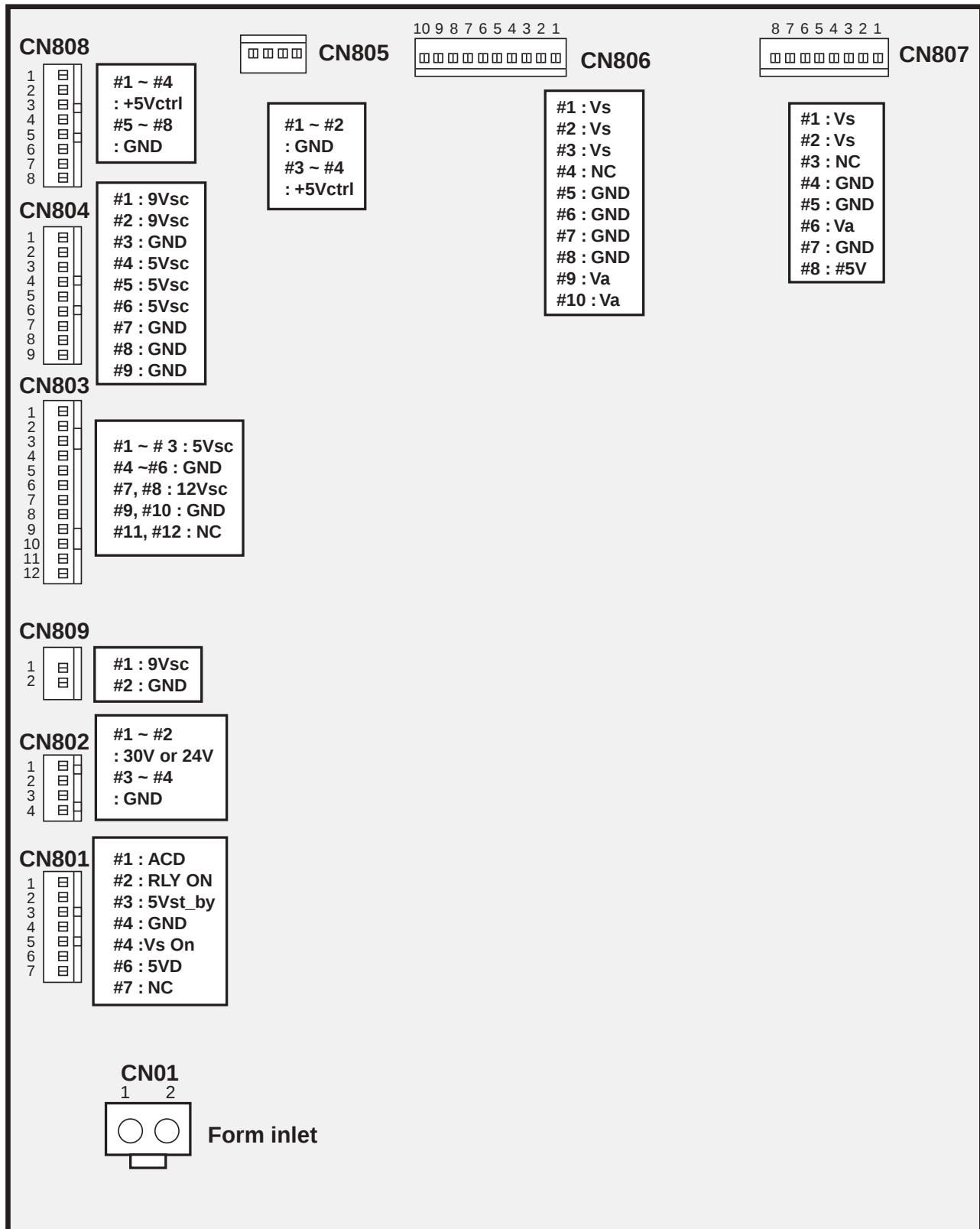
Abnormal

Normal

9.3 Power Supply Unit (PSU)

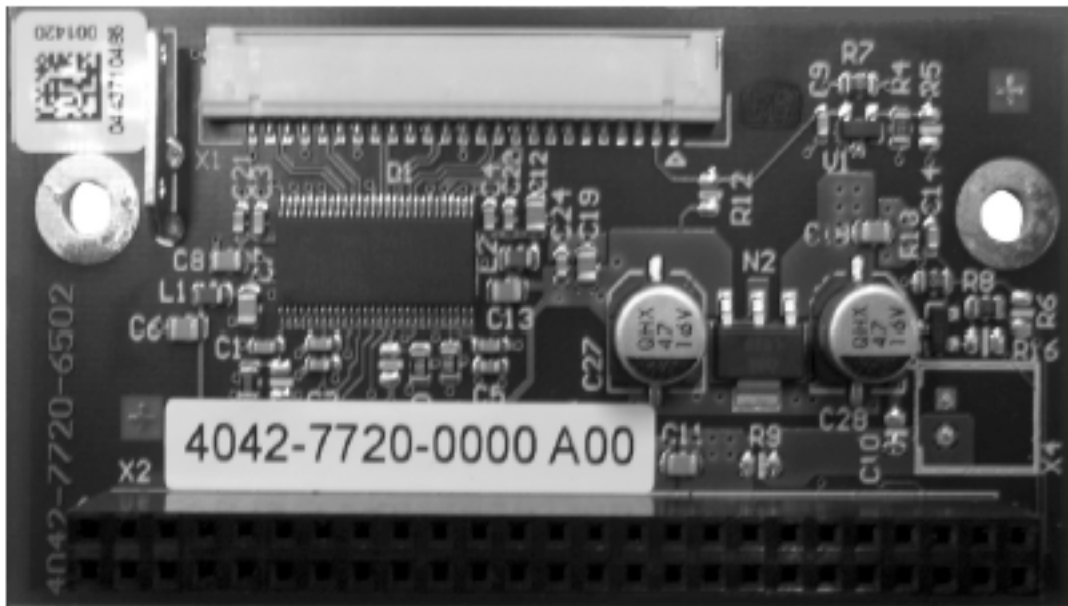
To discover any problems of the plasma panel, it is most simple to check the voltages on the PSU. Please consider that not all voltages are present in case of failure, as the PSU is dependent of a handshake voltage from the panel (*see chapter 7. on page 15*).

Following please find the schematic drawing of the PSU with the corresponding connectors.



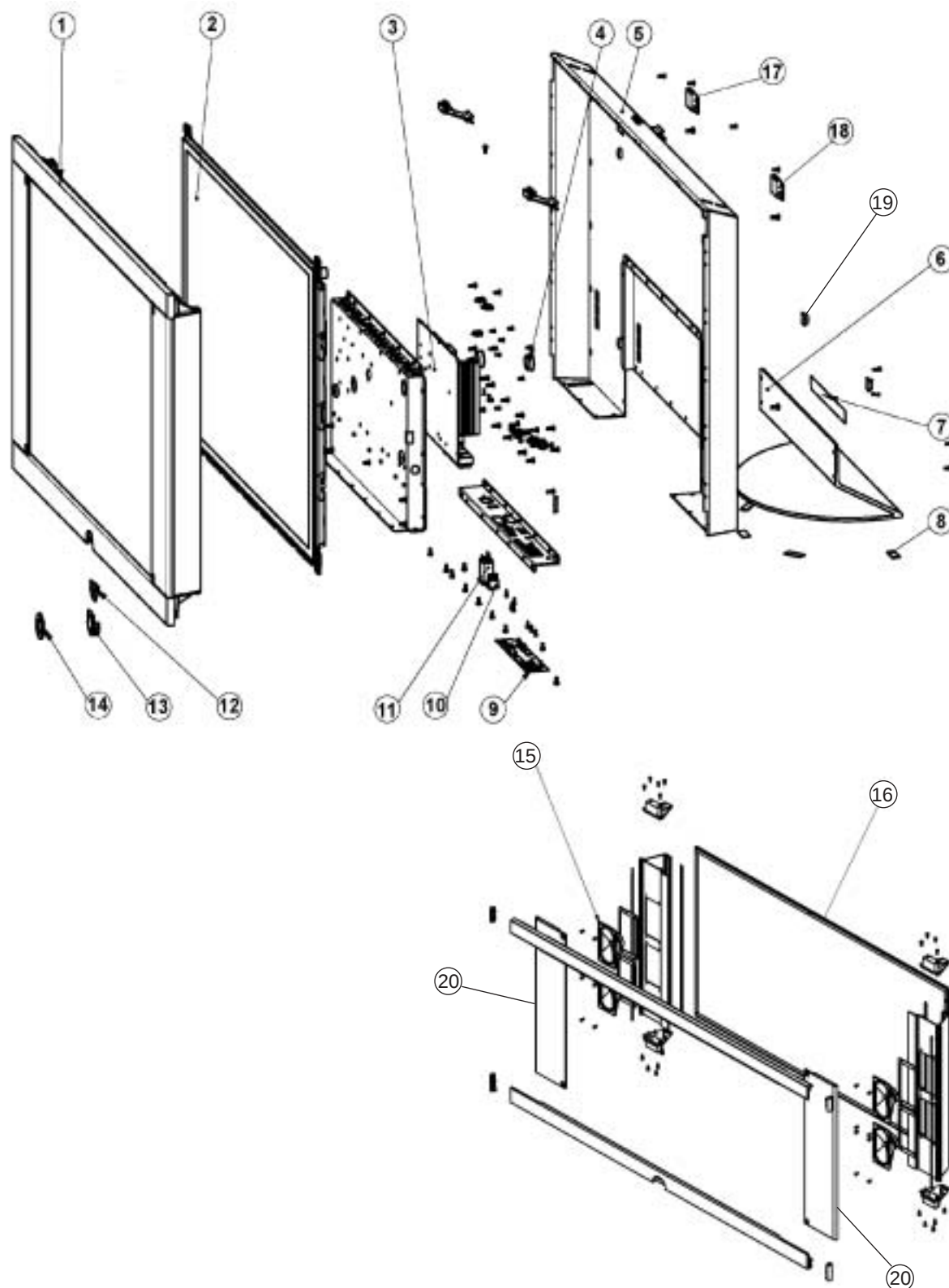
10. LVDS-Interface-Board

The LVTTTL signal, which is present at the output of the AV3 electronics, is generated into a LVDS signal, which is necessary for operating the plasma, on the LVDS—Interface—Board (LVDS= Low Voltage Differential Signal).



11. Exploded Drawing

Following you will find the exploded drawing of the device and, for clearness reasons separately, the exploded view of the front bezel. The mentioned numbers lead to the corresponding position in the spare parts list.



12. Spare Parts List

CONCEPT L 42

Art.-Nr. 64403x60

Pos.Nr. ItemN°.	Bestell-Bezeichnung	Description	Bestell-Nr. List Part N°.
	BAUGRUPPEN	UNITS	
②	PLASMA-DISPLAY 42 ZOLL CONCEPT 42 L4200	PLASMA-DISPLAY 42 ZOLL	345-90432.900
③	SIGNAL BOARD AV3 PLUS L	SIGNAL BOARD AV3 PLUS L	396-90432.901
⑫	IR-EMPFAENGER KPL. CONCEPT 42	IR SENSOR CPL. CONCEP 42	396-90432.903
U 0103	LVDS INTERFACE BOARD	LVDS INTERFACE BOARD	396-90432.902
	DRUCKSACHEN	OPERATING INSTRUCTIONS	
801	BAN -D-I CONCEPT L 42 ALS PDF FILE	OIN -D-I CONCEPT L 42	233-32241
801	BAN -E-GB CONCEPT L 42 ALS PDF FILE	OIN -E-GB CONCEPT L 42	233-32241.010
801	BAN -NL-F CONCEPT L 42 ALS PDF FILE	OIN -NL-F CONCEPT L 42	233-32241.020
	GERÄTEBEIPACK	SET SUPPLEMENT	
900	RC4 PLATIN	RC4 PLATINUM	263-89800.A00
N 0811	VERBINDUNGSKABEL 140MM HF/HF	CONNECTING CABLE 140M	169-90432.919
	VERPACKUNGSMATERIAL	PACKING MATERIAL	
J 0802	VERPACKUNGSKARTON CONCEPT 42	PACKING CASE CONCEP	245-90432.905
J 0803	VERPACKUNGSECKE CONCEPT 42 OBEN 2 ST.	PROTECTIVE PACKING TOP 2 PIECE	256-90432.906
J 0803	VERPACKUNGSECKE CONCEPT 42 UNTEN 2 ST.	PROTECTIVE PACKING BOT 2 PIECE	256-90432.907
	VERBINDUNGSLEITUNG	CONNECTING CABLES	
N 0300	NETZKABEL GRAU 2,5M STECKBAR	POWER CORD	170-90432.918
	GEHÄUSETEILE CABINET MOUNTING		
①	FRONTRAHMEN PLATIN CONCEPT L 42	FRONT FRAME PLATINUM	778-90432.916
①	FRONTRAHMEN PLATIN CONCEPT L 42	FRONT FRAME ANTHRACITE	786-90432.911
⑤	RUECKWAND CONCEPT L 42	BACKCOVER CONCEPT	775-90432.909
⑥	TISCHFUSS PLATIN CONCEPT L 42	TABLE STAND PLATINUM	484-90432.914
⑥	TISCHFUSS PLATIN CONCEPT L 42	TABLE STAND ANTHRACITE	484-90432.915
⑧	FILZGLEITER FELT	STRIP	414-90432.935
⑬	IR-GEHÄUSE	IR CABINET	396-90432.903
⑭	BLLENDE (DECORRING) CONCEPT 42	COVER (DECORRING) CON	778-90432.916
⑯	FRONTSCHIEBE CONCEPT 42	FRONT PANE CONCEPT	666-90432.904
⑰	WANDHALTER LINKS CONCEPT 42	WALL MOUNT BRACKET LEFT	786-90432.912
⑱	WANDHALTER RECHTS CONCEPT 42	WALL MOUNT BRACKET RIGHT	786-90432.913
⑲	ABSTANDSHALTER SELBSTKLEBEND F. RW. B. WANDM. SPACER, ADH.		602-90432.936
⑳	LAUTSPRECHERGITTER	SPEAKER GRILLE PLATINUM	708-90432.938
㉑	LAUTSPRECHERGITTER	SPEAKER GRILLE ANTHRACITE	708-90432.939
	LAUTSPRECHER	SPEAKERS	
⑮	LAUTSPRECHER 4 OHM 10W 4 STÜCK	LOUDSPEAKER 4 OHM 10W 4 PIECE	272-90432.908
	SCHALTER	SWITCHES	
⑩	NETZSCHALTER SCHWARZ	POWER SWITCH BLACK	471-90432.920
	SPEZIALTEILE	SPECIAL PARTS	
N 0001	KABELBAUM 2-POL. 300MM BL/BN	CABLE HARNESS 2-POL 300MM	171-90432.929
N 0002	KABELBAUM 2-POL. 100MM BL/BN PSU CN02 <=> PSU CN03	CABLE HARNESS 2-POL 100MM	171-90432.930
N 0003	KABELBAUM 1-POL. 100MM BN	CABLE HARNESS 1-POL 100MM	171-90432.927
N 0004	KABELBAUM 1-POL. 100MM BL	CABLE HARNESS 1-POL 100MM	171-90432.928
N 0008	KABELBAUM 7-POL. 650MM AV3 CN8 <=> IR X1	CABLE HARNESS 7-POL 650MM	171-90432.931
N 0009	KABELBAUM 1-POL. 150MM SZL	CABLE HARNESS 1-POL 150MM	171-90432.926
N 0011	KABELBAUM 4-POL. 300MM PSU CN802<=>AV3 CN11	CABLE HARNESS 4-POL 300MM	171-90432.921
N 0013	KABELBAUM 6-POL. 200MM PSU CN803<=>AV3 CN13	CABLE HARNESS 6-POL 200MM	171-90432.922
N 0019	KABELBAUM 7-POL. 300MM PSU CN801<=>AV3 CN19	CABLE HARNESS 7-POL 300MM	171-90432.923
N 0020	KABELBAUM 2-POL. SW/RT LAUTSPRECHER ANSCHL.	CABLE HARNESS 2-POL	171-90432.932
N 0024	KABELBAUM 1-POL. SW LAUTSPRECHER VERBIND.	CABLE HARNESS 1-POL	171-90432.934
N 0025	KABELBAUM 1-POL. SW LAUTSPRECHER VERBIND.	CABLE HARNESS 1-POL	171-90432.934
N 0029	KABELBAUM 2-POL. SW/WS LAUTSPRECHER ANSCHL.	CABLE HARNESS 2-POL	171-90432.933
N 0031	KABELBAUM 300MM LVDS X1 <=> PDP P31	CABLE HARNESS 300MM	171-90432.924
N 0810	VIDEOKABEL 2000MM VGA/DVI	VIDEOCABLE 2000MM	169-90432.925